

*FOR THE FISCAL YEAR ENDED JUNE 30, 2010*

**COMPREHENSIVE  
ANNUAL  
FINANCIAL  
REPORT**



**FAIRFAX COUNTY  
EMPLOYEES'  
RETIREMENT  
SYSTEM**



*A PENSION TRUST FUND OF FAIRFAX COUNTY, VIRGINIA*

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# County of Fairfax, Virginia

To protect and enrich the quality of life for the people, neighborhoods and diverse communities of Fairfax County

October 25, 2010

Dear Members of the Board of Trustees:

I am pleased to submit to you the annual report of the Fairfax County Employees' Retirement System (System) for the fiscal year ended June 30, 2010. This annual report is provided as an aid to understanding the structure and evaluating the status of the System. The System's management is responsible for the accuracy of financial information contained herein.

The annual report for fiscal 2010 consists of five sections: (1) an Introductory Section that contains this transmittal letter along with the organization structure and review of plan provisions; (2) a Financial Section that contains the opinion of the independent auditors, management's discussion and analysis (MD&A), the financial statements of the System and required supplementary information. The MD&A provides further detail to the financial statements; (3) an Investment Section that contains investment results; (4) an Actuarial Section that includes the independent actuary's certification letter, a summary of the results of the actuarial valuation, and actuarial procedures and assumptions; and (5) a Statistical Section that contains information regarding the System membership.

## **History**

The Fairfax County Supplemental Retirement System was established on July 1, 1955. On February 26, 2001 the name of the System was changed to the Fairfax County Employees' Retirement System. The System is a cost-sharing multiple-employer public employee retirement system providing defined benefit pension plan coverage to full-time and certain part-time Fairfax County and Fairfax County Public Schools employees who are not covered by the Fairfax County Police Officers Retirement System, the Fairfax County Uniformed Retirement System, the Educational Employees' Supplementary Retirement System of Fairfax County (ERFC) or the Virginia Retirement System (VRS).

## **Provisions**

The benefit provisions of the System are established by County Ordinance. The System provides normal service retirement and early service retirement benefits for members who attain age or service requirements. Coverage for service-connected disability benefits is immediate upon membership in the System. Ordinary (non-service-related) disability benefits are provided after the attainment of five years of service. Members are vested after five years of service and are eligible for benefits at the early or normal service retirement date.

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### **Retirement Administration Agency**

10680 Main Street \* Suite 280 \* Fairfax, VA 22030

Phone: 703-279-8200 \* 1-800-333-1633 \* Fax: 703-273-3185

<http://www.fairfaxcounty.gov/retirement/>

## **Capital Markets and Economic Conditions**

During fiscal year 2010, the economy gradually recovered from the deep recession of the prior year. Despite continued high unemployment rates and the slow rate of recovery, the capital markets provided strong returns for the year, albeit with significant volatility and a decline in the final quarter. In this environment, the System's portfolio was well positioned and achieved outstanding results, both in absolute and relative terms. The rate of return on investments was 25.7% (25.2%, after fees and expenses), well ahead of the long-term target return of 7.5%. This return also placed well above the median public fund return of 13.5% and was the highest return of all funds (public, corporate, foundations and endowments) in the BNY Mellon universe of asset pools.

Additional details on the markets and the System's investments are provided in the Investment Section.

## **Internal and Budgetary Controls**

The System's management is responsible for maintaining internal accounting controls to provide reasonable assurance that transactions are properly authorized and recorded as necessary to permit preparation of financial statements in accordance with U.S. generally accepted accounting principles.

## **Investment Policies and Strategies**

The Board of Trustees has adopted a Statement of Investment Objectives and Policy. This Statement establishes the investment goals, guidelines, constraints and performance standards that the Board of Trustees uses when exercising its fiduciary duties to manage the investment assets of the System. The Board operates in conformity with the standard of care required in making investments as stated in the Code of Virginia §51.1-803.

The Board receives quarterly reporting from staff to ensure compliance with its stated objectives and policy. Staff also monitors the performance of the System and its investment managers and updates the Board on a monthly basis throughout the year. Rate of return information is included in the Investment Section.

Securities of the System, except for the pooled funds and the County's pooled cash and temporary investments, are held in safekeeping, on the system's behalf, by BNY Mellon Asset Servicing as agent. The BNY Mellon Financial Corporation, the parent company, carries Financial Institution bond insurance coverage including a Computer Crime Policy. An additional Excess Securities policy covers all risk of physical loss to securities.

## **Funded Status**

An actuarial valuation of the System to determine funding requirements is performed annually. The System's funding policy provides for periodic employer contributions at

actuarially determined rates, which will remain relatively level over time as a percentage of payroll and will accumulate sufficient assets to meet the costs of benefit payments when due. The valuation of the System performed as of July 1, 2009 indicated that the ratio of assets accumulated by the System to total actuarial accrued liabilities for benefits showed a decline from 82.7% to 73.6%. The actuarial section contains further information on the results of the July 1, 2009 valuation.

Based on the July 1, 2009 actuarial valuation, the employer contribution rate for 2011 based on the adopted corridor-based funding policy was 14.22%, an increase of 4.51% over the 2010 rate of 9.71%. This increase in the rate is required to amortize the increase in unfunded liability from FY 2009 actuarial experience. During establishment of the FY 2011 County budget, the Board of Supervisors adopted a contribution rate of 14.70% to increase the rate of amortization of the unfunded liability.

### **Major Initiatives**

During FY 2010, we continued to focus on diversifying our risk profile. Traditional approaches to portfolio construction have resulted in return volatility being driven primarily by the equity markets. Over the course of several years, we have moved away from that model to one which focuses on the allocation of risk instead of the traditional asset allocation, without reducing our long-term return target. This process resulted in setting a strategic target of a 30% allocation to equity. Given the increased volatility in the market, a tactical decision was made to reduce that target to 25% for the near term.

In addition, we continued to take advantage of the opportunities created by the market dislocations resulting from the financial crisis and funded the 5% opportunistic allocation that had been established in FY 2009.

Both of these initiatives enabled us to produce returns for FY 2010 that placed at the very top in the nation and far in excess of median plan returns. Looking forward, we will continue our focus on maintaining a diverse risk profile and identifying opportunities as they become apparent in the global markets.

Also during FY 2010, a thorough independent audit of the PensionGold pension administration system and related processes was conducted by the County's internal audit staff, and I am pleased to report that no major audit findings were identified.

During FY 2011, our plan actuary will be conducting a five-year actuarial experience study. This study will analyze our actual experience on the financial and demographic assumptions that underlie the calculation of plan liabilities and determine ongoing funding requirements. Assumption changes, if any, that are adopted based on this review will be reflected in the actuarial valuation for FY 2011.

## **Other Information**

### *Independent Audit and Actuarial Certifications*

KPMG LLP performs a yearly audit of the financial statements of the plan to ensure compliance with government accounting, auditing and financial reporting standards. Additionally, Cheiron performs an annual actuarial valuation to assess the plan's ability to meet future obligations. The independent auditors' annual report and certification from the actuary are included in this report.

### *Acknowledgements*

The annual report of the Employees' Retirement System was prepared by the System's staff under the leadership of the Board of Trustees. I would like to thank the entire organization that has worked hard throughout the year to provide service to our members and to ensure the successful operation of the System. This report is intended to provide complete and reliable information for determining the financial status of the System. It is being submitted to the Board of Supervisors and other interested parties and is available to the public via the County's website located at [www.fairfaxcounty.gov/retirement/](http://www.fairfaxcounty.gov/retirement/).

Respectfully submitted,



Robert L. Mears  
Executive Director

**Board of Trustees**

**Robert C. Carlson**

*Chairman*

Board of Supervisors Appointee

*Term Expires: August 31, 2013*

**Kevin L. North**

*Vice Chairman*

Assistant Superintendent

Fairfax County Public Schools

Ex officio Trustee

**Victor L. Garcia**

*Treasurer*

Fairfax County Director of Finance

Ex officio Trustee

**Randy R. Creller**

Fairfax County Government

Elected Member Trustee

*Term Expires: June 30, 2013*

**Gordon R. Trapnell, FSA**

Board of Supervisors Appointee

*Term Expires: June 30, 2011*

**Susan Woodruff**

Fairfax County Director of

Human Resources

Ex officio Trustee

**Frank M. Alston**

Chairman, Investment Committee

Board of Supervisors Appointee

*Term Expires: July 31, 2010*

**Thomas M. Stanners**

Board of Supervisors Appointee

*Term Expires: July 31, 2012*

**Walter Leppin**

Fairfax County Public Schools

Elected Member Trustee

*Term Expires: June 30, 2011*

**John M. Yeatman**

Elected Retiree Trustee

*Term Expires: December 31, 2010*

**Administrative Organization**

**Administrative Staff**

Robert L. Mears  
*Executive Director*

Andrew J. Spellar  
*Senior Investment Manager*

Laurnz A. Swartz  
*Chief Investment Officer*

John P. Sahn  
*Retirement Administrator*

**Professional Services**

**Actuary**  
CHEIRON  
Actuaries  
McLean, VA

**Auditor**  
KPMG LLP  
Certified Public Accountants  
Washington, DC

**Investment Managers**

Artio Global Investors  
New York, NY

Cohen & Steers Capital Management Inc.  
New York, NY

BlackRock  
San Francisco, CA

Deerfield Capital Management, LLC  
Rosemont, IL

BNY Mellon Cash Investment Strategies  
Pittsburgh, PA

DePrince, Race & Zollo  
Winter Park, FL

Brandywine Global Investment Management  
LLC  
Philadelphia, PA

DoubleLine Capital, LP  
Los Angeles, CA

Bridgewater Associates  
Westport, CT

First Quadrant Partners  
Pasadena, CA

The Clifton Group  
Edina, MN

FrontPoint Partners  
Greenwich, CT

**Investment Managers (continued)**

Gramercy Advisors LLC  
Greenwich, CT

Post Advisory Group LLC  
Los Angeles, CA

INTECH Investment Management, LLC  
Palm Beach Gardens, FL

Pzena Investment Management LLC  
New York, NY

JP Morgan Investment Management Inc.  
New York, NY

Sands Capital Management  
Arlington, VA

LSV Asset Management  
Chicago, IL

Shenkman Capital Management  
New York, NY

MacKay Shields LLC  
New York, NY

Stark Investments  
St. Francis, WI

Marathon Asset Management LLP  
London, UK

Trust Company of the West  
Los Angeles, CA

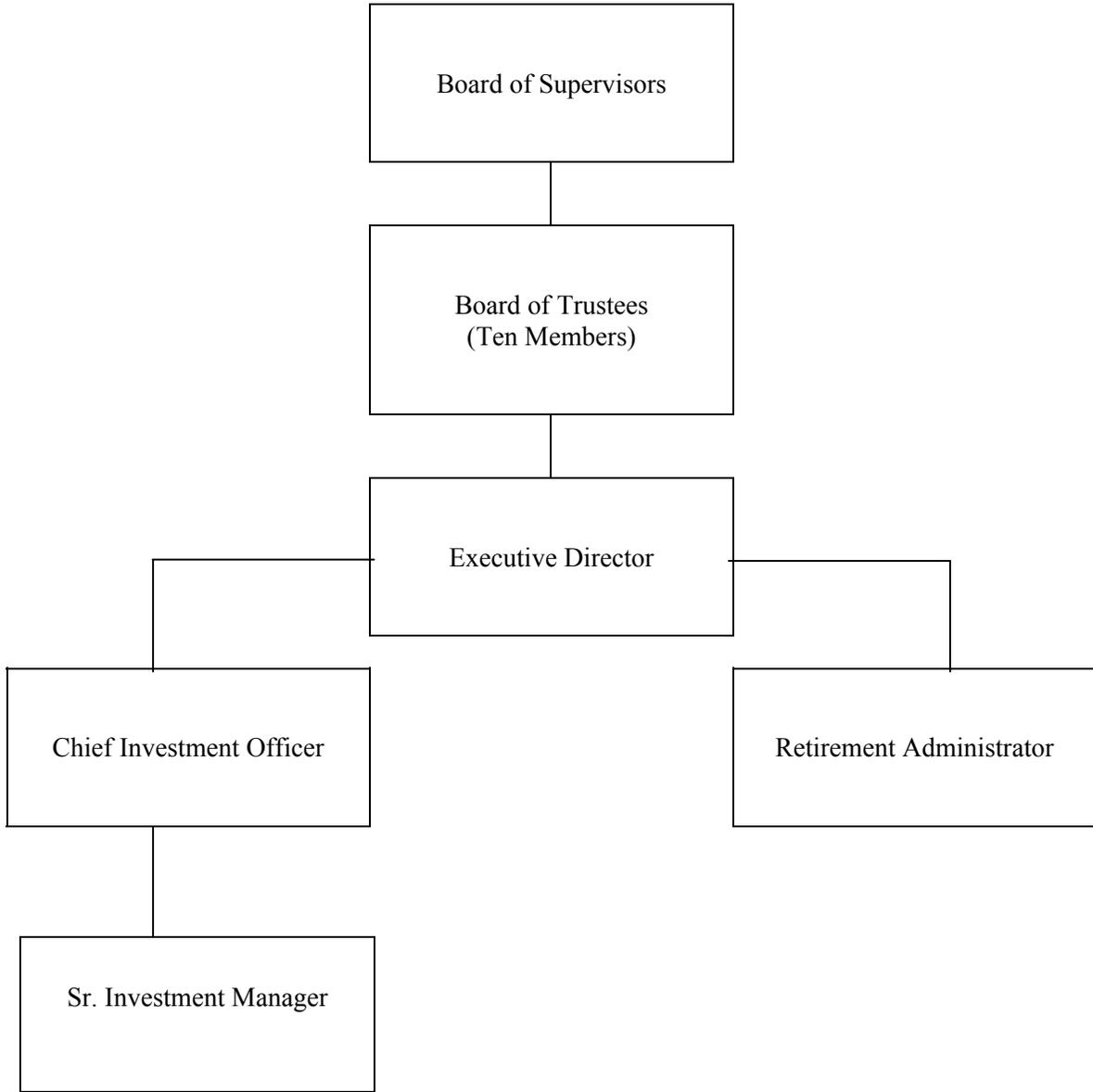
PIMCO  
Newport Beach, CA

Wanger Asset Management, L.P.  
Chicago, IL

**Custodian Bank**

BNY Mellon Asset Servicing  
Pittsburgh, PA

**Organization Chart**



**Summary of Plan Provisions**

Membership in the Fairfax County Employees' Retirement System includes most County employees working at least 20 hours per week as well as part-time and support staff employees from the Fairfax County Public Schools. The System consists of two Plans, A and B, which have different employee contribution rates and slightly different benefits. In all other respects, the Plans are identical. The employee has the option to enroll in either Plan within 30 days of employment. This choice is irrevocable. Employees who make no election are automatically enrolled in Plan A.

The general provisions of the Employees' Retirement System follow:

**Contribution Rates:**

**Member:**

**Plan A:** The contribution rate for Plan A is 4% of base salary up to the maximum Social Security wage base plus 5 1/3 % of base salary over the wage base.

**Plan B:** The contribution rate for Plan B is 5 1/3% of base salary.

**Employer:** The contribution rate for both plans for Fiscal Year 2010 is 9.71%.

**Benefit:**

**Plan A:** The benefit is 1.8% of average final compensation (highest consecutive three years) up to the Social Security Breakpoint times creditable service plus 2% of average final compensation which exceeds the Social Security Breakpoint times creditable service. This benefit is then increased by 3%. The Social Security Breakpoint is an average of Social Security wage bases for the last 35 years before a member reaches age 65.

**Plan B:** The benefit for Plan B is 2% of average final compensation (highest consecutive three years) times creditable service. This benefit is then increased by 3%.

**Plans A & B:** In addition to the above, at the time of normal service retirement, a Pre-Social Security Benefit is payable at the rate of 1% of average final compensation up to the Social Security Breakpoint times creditable service. This benefit is then increased by 3%. This benefit will be payable until the member reaches the age of eligibility for unreduced Social Security benefits.

**Plans A & B**

**Normal Retirement:**

A member is eligible for normal retirement at either age 65 with at least 5 years of creditable service or at least age 50 when the member's age plus creditable service totals 80 or more.

**Summary of Plan Provisions**  
(continued)

**Benefit Limits:**

Benefits are limited to the maximum amounts for qualified plans as set forth in Section 415 of the Internal Revenue Code. A separate, nonqualified benefit restoration plan has been established for the payment of any benefit formula amounts in excess of the Section 415 limit.

**Deferred Retirement Option Program (DROP):**

Those eligible for normal retirement may participate in DROP for up to three years. While in DROP, the member continues to work and receive a salary. In lieu of continuing to earn service credit, DROP participants accumulate a lump sum, including interest, payable at retirement.

**Early Retirement:**

A member is eligible for early retirement at age 50 or older when the member's age plus creditable service totals 75 or more. Reduction factors are applied to the basic formula for early retirement and no Pre-Social Security Benefit is payable.

**Deferred Vested Retirement:**

Deferred vested retirement is available for vested members (vesting is at 5 years of service) who leave their contributions in the System when they terminate. These members are entitled to their normal retirement benefit, at age 65, based on service with the County or a reduced benefit earlier when they reach age 50 and age plus years of creditable service equal 75.

**Service-Connected Disability Retirement:**

Service-connected disability retirement is available for members, regardless of their length of service, who become disabled as a result of a job-related illness or injury. Benefits are 66 $\frac{2}{3}$ % of average final compensation.

**Ordinary Disability Retirement:**

Ordinary disability retirement is available for vested members who become disabled due to an injury or illness that is not job-related. Benefits are 2% of average final compensation (highest consecutive three years) times creditable service. The total benefit is then increased by 3%.

**Death Benefits:**

*If death occurs prior to retirement:* If the member is vested and the spouse is the listed beneficiary, the spouse may elect to receive 50% of the normal retirement benefit earned as of the date of the member's death. If the 50% of normal retirement benefit is not payable, a refund of the member's contribution plus interest will be paid to the named beneficiary or member's estate.

*If death occurs after retirement:* A refund of any of the member's contributions and interest not already paid in benefits will be payable to the named beneficiary(ies) unless the member has elected the irrevocable Joint and Last Survivor Option which provides a benefit to the member's spouse for life. At retirement, the member may choose to have his or her spouse receive 50%, 66 $\frac{2}{3}$ %, 75% or 100% of the member's reduced annuity upon the member's death. The member's annuity is reduced by a percentage based on the difference in age between the member and his or her spouse. If the spouse pre-deceases the member, the annuity is restored to what it would have been if this option had not been elected.

**Summary of Plan Provisions**  
**(continued)**

*If death occurs because of a job-related illness or injury:* A \$10,000 lump-sum payment is made to the beneficiary if the member's death is due to a job-related illness or injury.

**Cost of Living Benefit:**

Annual cost of living adjustments are provided to retirees and beneficiaries equal to the lesser of 4% or the percentage increase in the Consumer Price Index for the Metropolitan Statistical Area that includes Fairfax County.

Note: Detailed provisions may be found in the Employee Handbook:  
<http://www.fairfaxcounty.gov/retirement/pdfs/emphandbook.pdf>

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**KPMG LLP**  
2001 M Street, NW  
Washington, DC 20036-3389

### **Independent Auditors' Report**

The Board of Supervisors  
County of Fairfax, Virginia:

The Board of Trustees  
Of the Fairfax County Employees' Retirement System

We have audited the Statement of Plan Net Assets of the Fairfax County Employees' Retirement System (the System), a pension trust fund of the County of Fairfax, Virginia as of June 30, 2010, and the related Statements of Changes in Plan Net Assets for the year then ended. These basic financial statements are the responsibility of the System's management. Our responsibility is to express an opinion on these basic financial statements based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the basic financial statements are free of material misstatement. An audit includes consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the System's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the basic financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the basic financial statements referred to above present fairly, in all material respects, the Plan Net Assets of the System as of June 30, 2010, and the Changes in Plan Net Assets for the year then ended in conformity with U.S. generally accepted accounting principles.

Management's Discussion and Analysis is not a required part of the basic financial statements, but is supplementary information required by U.S. generally accepted accounting principles. We have applied certain limited procedures, which consisted principally of inquiries of management regarding the methods of measurement and presentation of the required supplementary information. However, we did not audit the information and express no opinion on it.

Other required supplementary information is not a required part of the basic financial statements, but is supplementary information required by U.S. generally accepted accounting principles. The other required supplementary information has been subjected to the auditing procedures applied in the audit of the basic financial statements and, in our opinion, is fairly stated in all material respects in relation to the basic financial statements taken as a whole.

KPMG LLP is a Delaware limited liability partnership,  
the U.S. member firm of KPMG International Cooperative  
("KPMG International"), a Swiss entity.



Our audit was conducted for the purpose of forming an opinion on the System's basic financial statements. The introductory, investment, actuarial and statistical sections are presented for purposes of additional analysis and are not a required part of the basic financial statements. The information in these sections has not been subjected to the auditing procedures applied in the audit of the basic financial statements and, accordingly, we express no opinion on it.

KPMG LLP

October 22, 2010

**Management’s Discussion and Analysis**

This section presents management’s discussion and analysis of the Fairfax County Employees’ Retirement System’s (“System” or “plan”) financial performance and provides an overview of the financial activities for the fiscal year ended June 30, 2010. The information in this section should be reviewed in conjunction with the letter of transmittal provided at the beginning of this report.

**Overview of Financial Statements and Accompanying Information**

**Financial Statements.** The System presents the Statement of Plan Net Assets and Statement of Changes in Plan Net Assets as of June 30, 2010. These statements reflect the resources available for the payment of benefits as of year end and the sources and uses of these funds during the year.

**Notes to Financial Statements.** The Notes to Financial Statements are an integral part of the financial statements and include additional information and schedules to provide a better understanding of the financial statements. The Notes to Financial Statements immediately follow the basic financial statements.

**Required Supplementary Information.** The Required Supplementary Information and related notes provide information regarding the System’s funding progress and employer contributions. The Required Supplementary Information and related notes are immediately following the Notes to Financial Statements.

**Financial Analysis**

**Summary of Plan Net Assets.** For fiscal year 2010, the assets of the Employees’ Retirement System increased 21.1% resulting in a total net asset value of \$2.5 billion, reflecting an increase of \$430.0 million over fiscal year 2009. The growth in assets was primarily due to investment gains of \$506.1 and \$95.8 million in contributions offset by benefit payment deductions of \$171.9 million.

The actuarial value of the assets as of the last valuation on June 30, 2009, was \$2.6 billion while actuarial liabilities as of the same period were \$3.5 billion. This resulted in a funded ratio of 73.6%.

The Plan’s investments are exposed to various risks including interest rate, market and credit risks. These risks may be influenced by changes in economic conditions and market conditions. Therefore, it is reasonable to assume that there will be changes in the values of the investments held in trust which could materially affect the amounts reported in the financial statements. Detailed information on investment results are in the Investment Section of this report.

The following table details the Employees’ Retirement System’s fund balances for the current and prior fiscal years:

| Fiscal Year | Ending Balances<br>(billions) | Net Change in Dollars<br>(millions) | Net Change in Percent |
|-------------|-------------------------------|-------------------------------------|-----------------------|
| 2009        | \$2.04                        | \$(724.8)                           | (26.2)                |
| 2010        | \$2.47                        | \$430.0                             | 21.1                  |

**Contacting the System's Financial Management**

This financial report is designed to provide our membership, the Board of Trustees and the County's Board of Supervisors with a general overview of the System's financial condition. If you have any questions about this report or need additional information, contact the Fairfax County Retirement Administration Agency, 10680 Main Street, Suite 280, Fairfax, Virginia 22030. This report can also be found on the County's internet site at [www.fairfaxcounty.gov/retirement/](http://www.fairfaxcounty.gov/retirement/).

**Summary Statement of Plan Net Assets**

| <b>Assets</b>                   | <b><u>2010</u></b>     | <b><u>2009</u></b>     | <b><u>Difference</u></b> |
|---------------------------------|------------------------|------------------------|--------------------------|
| Total cash and investments      | \$2,737,386,927        | \$2,375,395,252        | \$361,991,675            |
| Total receivables               | <u>97,083,489</u>      | <u>100,381,015</u>     | <u>(3,297,526)</u>       |
| <b>Total assets</b>             | 2,834,470,416          | 2,475,776,267          | 358,694,149              |
| <b>Total liabilities</b>        | <u>365,390,326</u>     | <u>436,724,871</u>     | <u>(71,334,545)</u>      |
| <b>Net assets held in trust</b> | <u>\$2,469,080,090</u> | <u>\$2,039,051,396</u> | <u>\$430,028,694</u>     |

**Summary of Additions and Deductions**

| <b>Additions</b>               | <b><u>2010</u></b>   | <b><u>2009</u></b>     | <b><u>Difference</u></b> |
|--------------------------------|----------------------|------------------------|--------------------------|
| Contributions                  |                      |                        |                          |
| Employer                       | \$64,069,102         | \$65,110,832           | \$(1,041,730)            |
| Plan members                   | 31,733,516           | 33,927,190             | (2,193,674)              |
| Total investment income        | <u>506,165,571</u>   | <u>(653,558,145)</u>   | <u>1,159,723,716</u>     |
| <b>Total additions</b>         | <u>601,968,189</u>   | <u>(554,520,123)</u>   | <u>1,156,488,312</u>     |
| <b>Deductions</b>              |                      |                        |                          |
| Benefit payments               | 166,271,110          | 165,529,137            | 741,973                  |
| Refunds                        | 4,075,162            | 3,256,153              | 819,009                  |
| Administrative expense         | <u>1,593,223</u>     | <u>1,519,846</u>       | <u>73,377</u>            |
| <b>Total deductions</b>        | <u>171,939,495</u>   | <u>170,305,136</u>     | <u>1,634,359</u>         |
| <b>Net increase/(decrease)</b> | <u>\$430,028,694</u> | <u>\$(724,825,259)</u> | <u>\$1,154,853,953</u>   |

**Statement of Plan Net Assets**

As of June 30, 2010

**Assets**

Cash and short-term investments

|  |                  |               |
|--|------------------|---------------|
| Equity in County's pooled cash and temporary investments | \$2,424,246      |               |
| Cash collateral received for securities on loan          | 240,117,512      |               |
| Short-term investment                                    | 213,005,951      |               |
| Currency fluctuations                                    | <u>1,457,459</u> |               |
| Total cash and short-term investments                    |                  | \$457,005,168 |

Receivables

|                                |                   |            |
|--------------------------------|-------------------|------------|
| Accounts receivable            | 5,971,618         |            |
| Accrued interest and dividends | 9,302,303         |            |
| Prepaid expense                | 31,484            |            |
| Securities sold                | <u>81,778,084</u> |            |
| Total receivables              |                   | 97,083,489 |

Investments, at fair value

|                             |                      |                      |
|-----------------------------|----------------------|----------------------|
| Common & preferred Stock    | 692,674,528          |                      |
| Fixed Income                |                      |                      |
| Asset backed securities     | 175,135,048          |                      |
| Corporate and other bonds   | 311,956,219          |                      |
| U.S. Government obligations | <u>56,581,657</u>    |                      |
| Pooled and mutual funds     | <u>1,044,034,577</u> |                      |
| Total investments           |                      | <u>2,280,382,029</u> |

Total assets 2,834,470,686

**Liabilities**

|   |                  |                    |
|---|------------------|--------------------|
| Purchase of investments                         | 120,587,209      |                    |
| Cash collateral received for securities on loan | 240,117,512      |                    |
| Accounts payable and accrued expenses           | <u>4,685,875</u> |                    |
| Total liabilities                               |                  | <u>365,390,596</u> |

**Net assets held in trust for pension benefits** \$2,469,080,090

(A schedule of funding progress is presented on page 23.)

See accompanying notes to financial statements.

**Statement of Changes in Plan Net Assets**

For the year ended June 30, 2010

**Additions**

|   |                     |                        |
|---|---------------------|------------------------|
| Contributions   |                     |                        |
| Employer  | \$64,069,102        |                        |
| Plan members  | <u>31,733,516</u>   |                        |
| Total contributions   |                     | \$95,802,618           |
| Investment income from investment activities                  |                     |                        |
| Net appreciation/(depreciations) in fair value of investments | 435,709,807         |                        |
| Interest  | 63,232,101          |                        |
| Dividends   | <u>17,500,578</u>   |                        |
| Total investment income                                       | 516,442,486         |                        |
| Investment activity expense                                   |                     |                        |
| Management fees   | (9,253,414)         |                        |
| Custodial fees  | (192,000)           |                        |
| Consulting fees   | (66,000)            |                        |
| Allocated administrative expense                              | <u>(717,453)</u>    |                        |
| Total investment expense                                      | <u>(10,228,867)</u> |                        |
| Net income /(loss) from investment activities                 |                     | <u>506,213,619</u>     |
| From securities lending activities                            |                     |                        |
| Securities lending income                                     | 323,466             |                        |
| Securities lending expenses                                   |                     |                        |
| Borrower rebates  | (97,287)            |                        |
| Management fees   | <u>(274,227)</u>    |                        |
| Total securities lending activities expense                   | <u>(371,514)</u>    |                        |
| Net income from securities lending activities                 |                     | <u>(48,048)</u>        |
| Total net investment income/(loss)                            |                     | <u>506,165,571</u>     |
| Total additions   |                     | <u>\$601,968,189</u>   |
| <b>Deductions</b>   |                     |                        |
| Annuity benefits  | 155,512,982         |                        |
| Disability benefits   | 7,172,699           |                        |
| Survivor benefits   | 3,585,429           |                        |
| Refunds   | 4,075,162           |                        |
| Administrative expense  | <u>1,593,223</u>    |                        |
| Total deductions  |                     | <u>171,939,495</u>     |
| <b>Net increase/(decrease)</b>                                |                     | 430,028,694            |
| <b>Net assets held in trust for pension benefits</b>          |                     |                        |
| Beginning of fiscal year                                      |                     | <u>2,039,051,396</u>   |
| <b>End of fiscal year</b>                                     |                     | <u>\$2,469,080,090</u> |

See accompanying notes to financial statements.

**Notes to the Financial Statements**

For the year ended June 30, 2010

The System is considered part of the County's reporting entity and its financial statements are included in the County's basic financial statements as a pension trust fund.

**A. Summary of Significant Accounting Policies**

*Basis of Accounting.* The System's financial statements have been prepared under the accrual basis of accounting in accordance with accounting principles applicable to governmental units in the United States of America. Member and employer contributions to the System are recognized in the period in which the contributions are due. Benefits and refunds are recognized when due in accordance with the terms of the System. The cost of administering the System is paid by the System.

*Method Used to Value Investments.* Short-term investments are reported at cost, which approximates fair value. All other investments are reported at fair value. Securities traded on a national or international exchange are valued at the last reported sales price at current exchange rates. Asset-backed securities are valued on the basis of future principal and interest payments and are discounted at prevailing interest rates for similar instruments. Because of the inherent uncertainty in valuing these securities, the fair value may differ from the values that would have been used had a ready market for such securities existed. Accordingly, the realized value received upon the sale of the assets may differ from the fair value. The System records investment purchases and sales as of the trade date. These transactions are not finalized until the settlement date, which occurs approximately three business days after the trade date. The amounts of trade receivables and payables are shown as receivables and payables on the Statement of Plan Net Assets. Cash received as collateral on securities lending transactions and investments made with such cash are reported as assets along with a related liability for collateral received.

*Equity in County's pooled cash and temporary investments.* The System maintains cash with the County, which invests cash and allocates interest earned, net of a management fee, on a daily basis to the System based on the System's average daily balance of equity in pooled cash. As of June 30, 2010, the bank balance of the County's public deposits was either insured by the Federal Deposit Insurance Corporation or through the State Treasury Board pursuant to the provisions of the Security for Public Deposit Act.

**B. Plan Description, Contribution Information, Plan's Funded Status, and Actuarial Methods and Assumptions**

*Membership.* At July 1, 2009, the date of the latest actuarial valuation, membership in the System consisted of:

|  |                      |
|--|----------------------|
| Retirees and beneficiaries receiving benefits                      | 5,931                |
| Terminated plan members entitled to but not yet receiving benefits | 1342                 |
| DROP participants  | 418                  |
| Active plan members  | <u>14,616</u>        |
| <b>Total</b>   | <u><u>22,307</u></u> |

*Plan Description.* The System is a cost-sharing multiple-employer defined benefit pension plan which covers employees of the County and its component units. The plan covers full-time and

certain part-time County, Public Schools, Economic Development Authority and Fairfax County Redevelopment and Housing Authority employees who are not covered by other plans of the County or the Virginia Retirement System. Benefit provisions are established and may be amended by County ordinance. All benefits vest at five years of service. To be eligible for normal retirement, an individual must meet the following criteria: (a) attain the age of 65 with five years of service, or (b) attain the age of 50 with age plus years of service being greater than or equal to 80. The normal retirement is calculated using average final compensation (i.e., the highest consecutive three years) and years, or partial years, of service at date of termination. The plan provides that unused sick leave credit may be used in the calculation of average final compensation by projecting the final salary during the unused sick leave period. Members eligible for normal retirement have the option of participating in a deferred retirement option program (DROP). Participating members continue working up to an additional three years after eligibility for normal retirement. In lieu of continuing to earn service credit, DROP members accrue a lump sum benefit. The benefit for early retirement is actuarially reduced and payable at early termination.

Annual cost-of-living adjustments are provided to retirees and beneficiaries equal to the lesser of 4 percent or the percentage increase in the Consumer Price Index for the Washington-Consolidated Metropolitan Statistical Area.

*Contributions.* The contribution requirements of the System members are established and may be amended by County ordinances. Members may elect to join Plan A or Plan B. Plan A requires member contributions of 4 percent of compensation up to the social security wage base and 5.33 percent of compensation in excess of the wage base. Plan B requires member contributions of 5.33 percent of compensation. The County is required to contribute at an actuarially determined rate; the rates for the years ended June 30, 2010 and 2009 were 9.71 percent and 9.62 percent, respectively, of annual covered payroll.

*Deductions.* The deductions from the System included the payment of retiree and beneficiary payments, the refund of employee contributions to former members and other expenses.

*System's Funded Status Information.* The actuarial valuation performed as of July 1, 2009 showed the System's funded status at 73.6%, a decline from the July 1, 2008 funded percentage of 82.7%. The table below displays the actuarial value of assets, the actuarial accrued liability, the total unfunded actuarial accrued liability, the actuarial value of assets as a percentage of the actuarial accrued liability (funded ratio), the annual covered payroll, and the ratio of the unfunded actuarial liability to annual covered payroll.

| <b>Actuarial<br/>Validation<br/>Date</b> | <b>Actuarial<br/>Value of<br/>Assets</b> | <b>Actuarial<br/>Accrued<br/>Liability</b> | <b>Unfunded<br/>Actuarial<br/>Liability</b> | <b>Funded<br/>Ratio</b> | <b>Covered<br/>Payroll</b> | <b>Unfunded<br/>Actuarial<br/>Accrued<br/>Liability<br/>as a % of<br/>Covered<br/>Payroll</b> |
|--|--|--|---|-------------------------|----------------------------|---|
|  | <b>(a)</b>                               | <b>(b)</b>                                 | <b>(b-a)</b>                                | <b>(a/b)</b>            | <b>(c)</b>                 | <b>((b-a)/c)</b>  |
| 7/1/2009                                 | \$2,603,283,631                          | \$3,535,873,545                            | \$932,589,914                               | 73.6%                   | \$628,481,359              | 148.4%  |

**Financial Section**

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The required Schedule of Funding Progress which presents multiyear trend information is reported immediately following the financial statement notes.

*Actuarial Methods and Assumptions.*

|                               |                    |
|-------------------------------|--------------------|
| Valuation date                | July 1, 2009       |
| Actuarial cost method         | Entry Age          |
| Amortization method           | Level percent open |
| Remaining amortization period | 15 years           |
| Asset valuation method        | 3-year smoothed    |
| Actuarial assumptions:        |                    |
| Investment rate of return *   | 7.5%               |
| Projected salary increases *  | 4.0% - 6.5%        |
| * Includes inflation at       | 4.0%               |
| Cost of living adjustments    | 3.0%               |

The actuarial assumptions used have been recommended by the actuary and adopted by the System’s Board of Trustees based on the most recent review of the System’s experience, completed in 2005.

The rate of employer contributions to the System is composed of normal cost, amortization of the unfunded actuarial accrued liability and an allowance for administrative expenses. The normal cost is a level percent of payroll cost which, along with the member contributions, will pay for projected benefits at retirement for the average plan participant. The actuarial accrued liability is that portion of the present value of projected benefits that will not be paid by future normal employer costs or member contributions. The difference between this liability and the funds accumulated as of the same date is the unfunded actuarial accrued liability. The allowance for administrative costs is based upon the System’s actual administrative expenses.

The actuarial valuation performed as of July 1, 2009 in accordance with the GASB methodology resulted in a contribution rate of 18.63% for fiscal 2011, an increase of 4.57% over the fiscal 2010 rate of 14.06%. Beginning with fiscal 2003, the funding policy was revised to further stabilize the contribution rate. The methodology now in place sets the employer contribution rate equal to the normal cost and allowance for administrative expense. Amortization of the unfunded liability is included in the contribution rate only for any benefit and actuarial assumption changes or if the actuarial funding ratio falls outside a corridor of 90.0% and 120.0%. Use of the corridor method, with adjustments for plan changes effective after the valuation date, resulted in a rate of 14.22%. The decision was made to commit additional funding for fiscal 2011 and a rate of 14.70% was adopted, an increase of 4.51 percentage points over the fiscal year 2010 adopted rate of 9.71%.

**C. Investments**

The authority to establish the System is set forth in Section 51.1-800 *Code of Virginia* (Code). Section 51.1-803 of the Code authorizes fiduciaries of the System to purchase investments *with the care, skill, prudence and diligence under the circumstances then prevailing that a prudent person acting in a like capacity and familiar with such matters would use in the conduct of an enterprise of like character and with the same aims. The Board shall also diversify such investments as to minimize the risk of large losses unless under the circumstances it is clearly prudent not to do so.*

The System has adopted the Employees' Retirement System Investment Policy Statement to provide a well-managed investment program to meet the long-term needs of the System. Investment decisions for these assets are made by the Board of Trustees or investment managers selected by the Board. The overall investment policies do not address specific levels of credit risk, interest rate risk or foreign currency risk. The Board of Trustees believes that risks can be managed, but not eliminated, by establishing constraints on the investment portfolio and by properly monitoring the investment markets, the System's asset allocation and the investment managers hired by the System. Each individual investment portfolio is managed by an investment management firm selected by the Board. Each investment manager has a specific benchmark and investment guidelines appropriate for the type of mandate they are managing and that fit within the total risk tolerance of the fund. The interest rate risk for the fixed income accounts is controlled by limiting the credit quality of the securities held and the duration of the portfolio against the duration of the benchmark. While the System is not subject to the provisions of the Employment Retirement Income Security Act (ERISA), the Board wishes to comply with the spirit of ERISA to the extent that it does not conflict with the Code of Virginia. The investment policy states that the securities of any one issuer shall not exceed 10.0% at market value. At June 30, 2010 the System did not have investments (other than U.S. Government and U.S. Government guaranteed obligations) in any one organization that represented 5 percent or more of net assets available for benefits. All investments, except for the pooled and mutual funds, short-term investment fund and a short-term collateral investment pool are held by an unaffiliated custodian. There is no custodial credit risk since the custodian's records establish the System's interest in the securities.

## *Financial Section*

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The System's investment quality ratings at June 30, 2010 were as follows:

| <u>Type of Investment</u>    | <u>Fair Value</u>    | <u>Ratings</u> | <u>Percent of Fixed</u> |
|------------------------------|----------------------|----------------|-------------------------|
| U. S. Government Obligations | \$56,581,657         | AAA            | 10.4%                   |
| Corporate and other bonds    | 28,845,162           | AAA            | 5.3%                    |
|                              | 9,548,798            | AA             | 1.8%                    |
|                              | 38,095,341           | A              | 7.0%                    |
|                              | 20,283,865           | BBB            | 3.7%                    |
|                              | 48,902,904           | BB             | 9.0%                    |
|                              | 95,237,870           | B              | 17.5%                   |
|                              | 25,058,970           | CCC            | 4.6%                    |
|                              | 660,250              | CC             | 0.1%                    |
|                              | -                    | C              | 0.0%                    |
|                              | 371,094              | D              | 0.1%                    |
|                              | 44,951,966           | UNRATED        | 8.3%                    |
| Asset Backed                 | 86,186,837           | AAA            | 15.9%                   |
|                              | 4,226,980            | AA             | 0.8%                    |
|                              | 2,542,331            | A              | 0.4%                    |
|                              | 2,317,359            | BBB            | 0.4%                    |
|                              | 3,681,919            | BB             | 0.7%                    |
|                              | 8,132,614            | B              | 1.5%                    |
|                              | 30,222,625           | CCC            | 5.6%                    |
|                              | 10,019,690           | CC             | 1.8%                    |
|                              | 4,381,900            | D              | 0.8%                    |
|                              | <u>23,422,794</u>    | <u>UNRATED</u> | <u>4.3%</u>             |
| Total Fixed Income           | <b>\$543,672,924</b> | BBB            | 100.0%                  |
| Short Term                   | \$10,995,266         | AAA            |                         |
|                              | <u>202,010,685</u>   | UNRATED        |                         |
| Total Short Term             | <b>\$213,005,951</b> |                |                         |

As of June 30, 2010 the fixed income portfolio, excluding pooled funds, exhibited an overall credit quality rating of "BBB", and approximately 41.7% of the total fixed income portfolio was invested in below-investment-grade securities.

The Barclays Capital Aggregate Bond Index (BCAG) is the standard benchmark against which the industry and the System's Board measures its fixed income portfolio performance and volatility. The System's fixed income managers have discretion, within circumscribed limits, to extend the duration of their portfolios beyond that of the BCAG if they forecast falling interest rates (and thus higher bond prices). Conversely, if managers anticipate that the general level of interest rates will rise, they have the ability to shorten the duration of their portfolio, thus reducing the portfolio's sensitivity to rising rates.

The System's investments' sensitivity to interest rates at June 30, 2010 follows:

| <u>Investment Type</u>       | <u>Fair Value</u>    | <u>Option -<br/>Adjusted<br/>Duration (yrs)</u> | <u>Percentage of<br/>Fixed</u> |
|------------------------------|----------------------|---|--------------------------------|
| U. S. Government Obligations | \$56,581,657         | 5.9   | 10.4%                          |
| Corporate and other bonds    | 311,956,219          | 4.7   | 57.4%                          |
| Asset-Backed                 | <u>175,135,048</u>   | <u>3.2</u>                                      | <u>32.2%</u>                   |
| Total Fixed Income           | <b>\$543,672,924</b> | 4.3   | 100.0%                         |
| <br>                         |                      |   |                                |
| Short-Term Investments       | <b>\$213,005,951</b> | 0.1   |                                |

As of June 30, 2010, duration of the System's overall fixed income portfolio excluding pooled funds was 4.3 years compared with the 4.3 year duration of the BCAG.

Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of the investment. The System's investments at June 30, 2010 held in currencies other than US dollars were as follows:

| <u>International Securities</u> | <u>Short Term<br/>&amp; Other</u> | <u>Equity</u>               | <u>Convertible<br/>and<br/>Fixed Income</u> | <u>Total</u>                |
|---------------------------------|-----------------------------------|-----------------------------|---|-----------------------------|
| Euro Currency Unit              | \$2,179,203                       | \$39,096,986                | \$6,054,399                                 | \$47,330,588                |
| British Pound Sterling          | 1,197,831                         | 27,025,127                  | 7,150,775                                   | 35,373,733                  |
| Japanese Yen                    | 1,546,073                         | 29,043,460                  | 191,660                                     | 30,781,193                  |
| Australian Dollar               | 682,325                           | 14,405,179                  | 12,061,224                                  | 27,148,728                  |
| Hong Kong Dollar                | 9,020                             | 17,682,277                  | -   | 17,871,297                  |
| Canadian Dollar                 | 491,481                           | 6,531,755                   | 4,255,873                                   | 11,279,109                  |
| Swiss Franc                     | 96,905                            | 9,942,945                   | -   | 10,039,850                  |
| Singapore Dollar                | 62,325                            | 6,806,541                   | -   | 6,868,866                   |
| Polish Zloty                    | 34,897                            | 1,034,925                   | 5,491,744                                   | 6,561,566                   |
| Other Currencies                | <u>360,273</u>                    | <u>13,738,256</u>           | <u>35,376,396</u>                           | <u>49,474,925</u>           |
| <b>Total International</b>      | <b><u>\$6,660,333</u></b>         | <b><u>\$165,487,451</u></b> | <b><u>\$70,582,071</u></b>                  | <b><u>\$242,729,855</u></b> |

*Derivative Financial Instruments.* In accordance with the Board's investment policies, the System regularly invests in derivative financial instruments with off-balance-sheet risk in the normal course of its investing activities to manage exposure to certain risks within the fund. The System also enters into derivative transactions to gain exposure to currencies and markets where derivatives are the most cost-effective instrument. During fiscal 2010, the System invested directly in various derivatives including asset-backed securities, collateralized mortgage obligations, exchange-traded futures contracts, forward currency contracts, options, swaps, and floating rate securities. Investment managers are prohibited from purchasing securities on margin or using leverage unless specifically permitted within the investment manager's guidelines. These investments generally contain market risk resulting from fluctuations in interest and currency rates. The credit risk of these investments is associated with the creditworthiness of the related parties to the contracts. The System could be exposed to risk if the counterparties to the

contracts are unable to meet the terms of the contracts. The Board's investment policy seeks to control this risk through counterparty credit evaluations and approvals, counterparty credit limits, and exposure monitoring procedures. In addition, the System has indirect exposure to market and credit risk through its ownership interests in certain mutual and commingled funds which may use, hold or write derivative financial instruments.

As permitted by the Board's policies, the System holds derivatives with off balance sheet exposure. As of June 30, 2010, the net exposure for currency forwards and swaps is \$21.6 million and for futures and swaps is \$33.8 million.

*Securities Lending.* Board of Trustees' policies permit the System to lend its securities to broker-dealers and other entities (borrowers) for collateral that will be returned for the same securities in the future. The System's custodian is the agent in lending the plan's domestic securities for collateral of 102.0 percent and international securities of 105.0 percent of fair value. The custodian receives cash or securities as collateral from the borrower. All securities loans can be terminated on demand by either the System or the borrower. Cash collateral is invested in the lending agents' collective collateral investment pool, which at June 30, 2010 had a weighted average maturity of 25 days.

The following represents the balances relating to the securities lending transactions at June 30, 2010.

| <u>Securities Lent</u>          | <u>Underlying Securities</u> | <u>Cash Collateral Investment Value</u> | <u>Securities Collateral Investment Value</u> |
|---------------------------------|------------------------------|---|---|
| Lent for cash collateral:       |                              |   |   |
| U.S. Government securities      | \$22,321,430                 | \$22,777,244                            |   |
| Corporate and other bonds       | 68,203,519                   | 69,850,766                              |   |
| Common and preferred stock      | 143,415,245                  | 147,489,502                             |   |
| Lent for securities collateral: |                              |   |   |
| Corporate and other bonds       | 2,040,981                    |   | \$2,091,199                                   |
| Common and preferred stock      | <u>21,653,790</u>            |   | <u>24,282,369</u>                             |
| <b>Total</b>                    | <b><u>\$257,634,965</u></b>  | <b><u>\$240,117,512</u></b>             | <b><u>\$26,373,568</u></b>                    |

The System did not impose any restrictions during fiscal 2010 on the amounts of loans the lending agent made on its behalf. At year end, the System had no credit risk exposure to borrowers because the amounts the System owed the borrowers exceeded the amounts the borrowers owed the System. The custodian provides full indemnification to the System for any losses that might occur in the program due to the failure of a broker/dealer to return a borrowed security or failure to pay the System income earned on the securities while on loan.

**D. Income Taxes**

The Internal Revenue Service issued a determination letter on November 24, 2003, which stated that the System and its underlying trust qualify under the applicable provisions of the Internal Revenue Code and therefore are exempt from federal income taxes.

**Required Supplementary Information**

Seven-year historical trend information about the System is presented here as required supplementary information. This information is intended to help users assess the System's funding status on a going-concern basis, assess progress made in accumulating assets to pay benefits when due and make comparisons with other public employee retirement systems.

**Schedule of Funding Progress**

| <b>Actuarial<br/>Valuation<br/>Date</b> | <b>Actuarial<br/>Value of Assets<br/>(in thousands)<br/>(a)</b> | <b>Actuarial<br/>Liability-AAL<br/>Entry Age<br/>(in thousands)<br/>(b)</b> | <b>Unfunded<br/>AAL-UAAL<br/>(in thousands)<br/>(b-a)</b> | <b>Funded<br/>Ratio<br/>(a/b)</b> | <b>Covered<br/>Payroll<br/>(in thousands)<br/>(c)</b> | <b>UAAL as a<br/>Percentage<br/>of Covered<br/>Payroll<br/>(in thousands)<br/>((b-a)/c)</b> |
|---|---|---|---|-----------------------------------|---|---|
| 7/1/2003                                | \$1,903,970   | \$2,251,187   | \$347,217   | 84.58%                            | \$530,216   | 65.5%   |
| 7/1/2004                                | 2,030,539   | 2,411,135   | 380,596   | 84.22%                            | 552,738   | 68.9%   |
| 7/1/2005                                | 2,202,515   | 2,676,418   | 473,903   | 82.29%                            | 565,063   | 83.9%   |
| 7/1/2006                                | 2,363,844   | 2,881,780   | 517,936   | 82.03%                            | 574,294   | 90.2%   |
| 7/1/2007                                | 2,596,658   | 3,139,187   | 542,529   | 82.72%                            | 579,075   | 93.7%   |
| 7/1/2008                                | 2,752,874   | 3,328,901   | 576,027   | 82.70%                            | 610,877   | 94.3%   |
| 7/1/2009                                | 2,603,284   | 3,535,874   | 932,590   | 73.62%                            | 628,481   | 148.4%  |

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

**Schedule of Employer Contributions**

| <b><u>Fiscal Year<br/>Ended June 30</u></b> | <b><u>Annual Required<br/>Contribution</u></b> | <b><u>Percentage<br/>Contributed</u></b> |
|---|--|--|
| 2004  | \$51,992,031                                   | 66%                                      |
| 2005  | 67,996,277                                     | 69%                                      |
| 2006  | 74,548,972                                     | 66%                                      |
| 2007  | 81,551,794                                     | 70%                                      |
| 2008  | 89,480,173                                     | 70%                                      |
| 2009  | 95,052,308                                     | 69%                                      |
| 2010  | 92,771,532                                     | 69%                                      |

## **Capital Markets and Economic Conditions**

### **Fiscal Year 2010 Economic Environment**

The fiscal year ending 2010 witnessed a year of gradual recovery following the deepest recession since the Great Depression of the 1930s. The 2007-2009 recession wiped out 7.3 million jobs, cut 4.1% from economic output and cost Americans 21% of their net worth. Equity markets, anticipating the economic recovery, troughed in February of 2009 and began a year-long climb that retraced nearly 75% of the recessionary decline, while the economy sputtered at a subpar rate of growth. The recession officially ended in June of 2009, which marked the beginning of our 2010 fiscal year. During the initial quarters of the recovery in fiscal 2010, optimism was strong that with rock bottom interest rates and numerous government stimulus programs, the economy could stage a solid recovery. However, by the end of the fiscal year in June 2010, this optimism had waned as unemployment remained stubbornly high, businesses and consumers continued to deleverage their balance sheets, and no answers were found to alleviate the mortgage crisis.

During the final quarter of the year, concerns that Greece would default on its debt shook global bond markets. Fears that other European countries might be in similarly poor situations led to a flight to quality and appreciation in the U.S. Dollar and U.S. Treasuries. Other events during the quarter also dented investor confidence, including the U.S. financial reform debates, the BP Gulf of Mexico oil spill, charges of fraud brought by the SEC against Goldman Sachs and signs of slowing growth in China.

During the past fiscal year the Federal Open Market Committee (FOMC) held rates at the target range of 0.0% to 0.25%, as it saw little risk of near-term inflation. Core inflation declined over the last year from 1.7% to 0.9%.

### **Equity Markets**

Equity markets were positive across the board. The S&P 500 Index gained 14.4% for the fiscal year, in spite of a decline in the final fiscal quarter of 11.4%, as prices fizzled after peaking in April of 2010. Small capitalization stocks outperformed large capitalization stocks, as the Russell 2000 Index returned 21.5% during the year. For the fiscal year, value stocks outperformed growth stocks. The two best performing economic sectors during the year were industrials and consumer discretionary, both of which gained over 26%. The energy sector was the worst performing sector among large cap U.S. stocks, gaining 3.5% for the fiscal year.

The international developed equity markets underperformed the domestic markets in fiscal 2010. The MSCI EAFE Index returned 6.4%, trailing the S&P 500 Index by around 8 percentage points. The rebound of developed international countries from the bottom was hindered by lingering effects of the financial crisis, problems with sovereign balance sheets including Greece and a resurgence of double-dip recession fears. Again in 2010, a strengthening U.S. dollar detracted from returns for U.S.-based investors. Emerging markets were the bright spot in 2010, outperforming all major equity markets with a gain of 23.5% for the year. However, emerging market countries had an uneven ride gaining 31.4% in the first half of the fiscal year and then declining 6.0% in the last two quarters of the year.

### **Real Estate Markets**

Real estate markets were particularly volatile over the past two fiscal years. Public REIT markets, which reacted immediately to the recession by falling over 70%, achieved a sharp rebound in fiscal 2010 as investors realized that REITs possessed reasonable balance sheets, retained access to capital markets, and would be in a prime position to take advantage of distress in the commercial property marketplace. The FTSE NAREIT Index gained 53.9% for the year. Private real estate markets, on the other hand, have experienced a gradual decline in valuations throughout the two year period as occupancies and rents have continued to slide lower.

### **Fixed Income Markets**

Fixed income markets performed well for the fiscal year. After starting the year with extremely high interest rates for corporate and other higher-risk bonds, the Barclays Capital Aggregate Bond Index returned 9.5% for the year. Corporate bond spreads decreased during the year as investors seized on the opportunity to take advantage of market dislocations stemming from the financial crisis. However, the market tone changed during the final fiscal quarter as resurgent economic concerns drove investors back into the safety of Treasury bonds. Despite this move, corporate bonds outperformed government bonds during the year 14.7% to 6.5%, as measured by the Barclays Capital Credit Index and Barclays Capital Government Index, respectively. Lower quality issues rallied during the year as the Barclays Capital High Yield Composite Index gained 26.8%.

### **Employees' System**

The Employees' Retirement System operates a sound and diversified investment program with disciplined asset re-balancing to achieve strategic long-term goals. That disciplined investment process has been effective in achieving a long-term record of consistent asset growth.

For fiscal 2010, investments provided a return of 25.7%, gross of fees (25.2%, net of fees), reflecting the recovery of the economic environment. The System's annualized rates of return, gross of fees, were -0.8% (-1.2%, net of fees) over the last three years and 4.2%, (3.8%), over the last five years. These System returns ranked in the 1<sup>st</sup> percentile of The Bank of New York Mellon universe of public plans in 2010, in the 11<sup>th</sup> percentile for the latest 3-year period, and in the 13<sup>th</sup> percentile of public plans for the last 5 years.

During the past twelve months there were a few changes made to the manager lineup of the System. The System terminated TCW, due to major changes in its organization structure, and hired DoubleLine Capital to manage mortgage-backed securities in the fixed income allocation. The System also added The Gramercy Argentina Bond Fund and JP Morgan Global Maritime Investment Fund to take advantage of pricing dislocations in these distressed markets.

**Investments by Category and Investment Manager**

June 30, 2010

| Asset Class                                |                                     |                        | % of Total    |
|--|-------------------------------------|------------------------|---------------|
| Manager                                    | Investment Style                    | Total Assets           | Net Assets    |
| <b><i>Domestic Equities</i></b>            |                                     |                        |               |
| DePrince, Race & Zollo                     | Large Cap Value                     | \$78,009,321           | 3.2%          |
| Enhanced Inv. Technologies (INTECH)        | Large Cap Growth                    | 78,404,194             | 3.2%          |
| Pzena Investment Management                | Large Cap Value                     | 76,745,729             | 3.1%          |
| Sands Capital Management                   | Large Cap Growth                    | 33,222,773             | 1.3%          |
| Columbia Wanger Asset Management           | Small/Mid Cap Core                  | 115,268,892            | 4.7%          |
| <b><i>International Equities</i></b>       |                                     |                        |               |
| LSV Asset Management                       | Developed Markets Value             | 58,338,330             | 2.4%          |
| Artio Investment Management                | Developed Markets                   | 64,065,583             | 2.6%          |
| Marathon Asset Management*                 | Developed Markets                   | 31,529,899             | 1.3%          |
| BGI Emerging Markets Fund *                | Emerging Markets Index              | 23,304,714             | 0.9%          |
| TCW Worldwide Opportunity Fund*            | Emerging Markets                    | 39,915,567             | 1.6%          |
| <b><i>Fixed Income</i></b>                 |                                     |                        |               |
| Bridgewater Associates                     | Enhanced TIPS Index                 | 245,687,661            | 10.0%         |
| Bridgewater Associates                     | Enhanced Multi-Asset Real Return    | 298,999,197            | 12.1%         |
| Brandywine Asset Management                | Global Bonds                        | 119,415,973            | 4.8%          |
| JPMorgan*                                  | Fixed Income Opportunity Fund       | 21,574,625             | 0.9%          |
| DoubleLine Capital                         | Mortgage-Backed Securities          | 131,917,220            | 5.3%          |
| DoubleLine Capital                         | Special Mortgage Credit             | 27,077,254             | 1.1%          |
| Trust Company of the West*                 | Special Mortgage Credit             | 181,442                | 0.0%          |
| Gramercy Distressed Opportunity Fund*      | Distressed Opportunity              | 13,266,836             | 0.5%          |
| Gramercy Argentina Debt                    | Distressed Opportunity              | 9,746,328              | 0.4%          |
| JPMorgan Global Maritime Fund*             | Distressed Opportunity              | 160,017                | 0.0%          |
| Pacific Investment Management Co. (PIMCO)* | Distressed Opportunity              | 37,687,994             | 1.5%          |
| Post Advisory                              | High Yield Bonds                    | 65,779,871             | 2.7%          |
| MacKay Shields                             | High Yield Bonds                    | 66,238,383             | 2.7%          |
| Shenkman Capital Management                | High Yield Bonds                    | 65,806,303             | 2.7%          |
| <b><i>Alternative Investments</i></b>      |                                     |                        |               |
| Cohen & Steers Capital Management          | US Real Estate Inv. Trusts          | 125,515,713            | 5.1%          |
| Cohen & Steers Capital Management          | Int'l Real Estate Securities        | 56,407,504             | 2.3%          |
| Pacific Investment Management Co. (PIMCO)  | Collateralized Commodity Futures    | 138,941,099            | 5.6%          |
| <b><i>Absolute Return</i></b>              |                                     |                        |               |
| BGI GlobalAlpha Fund*                      | Global Bonds                        | 70,621,134             | 2.9%          |
| BGI Global Ascent Fund*                    | Global Macro Absolute Return Fund   | 53,385,416             | 2.2%          |
| Deephaven Capital Management*              | Multi-Strategy Absolute Return Fund | 4,485,060              | 0.2%          |
| Deerfield Capital Management               | Long/Short Duration Mgt.            | 38,035,574             | 1.5%          |
| First Quadrant Partners*                   | Global Macro Absolute Return Fund   | 42,252,196             | 1.7%          |
| FrontPoint Partners*                       | Multi-Strategy Absolute Return Fund | 47,677,080             | 1.9%          |
| Pacific Investment Management Co. (PIMCO)  | Global Credit                       | 64,926,883             | 2.6%          |
| <b><i>Short-term</i></b>                   |                                     |                        |               |
| The Clifton Group                          | Policy Implementation Overlay       | 46,975,002             | 1.9%          |
| BNY Mellon Cash Investment Strategies      | Plan Level Cash Accounts            | 73,770,318             | 3.0%          |
| Cash Held at County Treasurer              | Operating Cash Account              | <u>2,424,246</u>       | <u>0.1%</u>   |
| <b>Total Investments</b>                   |                                     | <b>\$2,467,761,331</b> | <b>100.0%</b> |

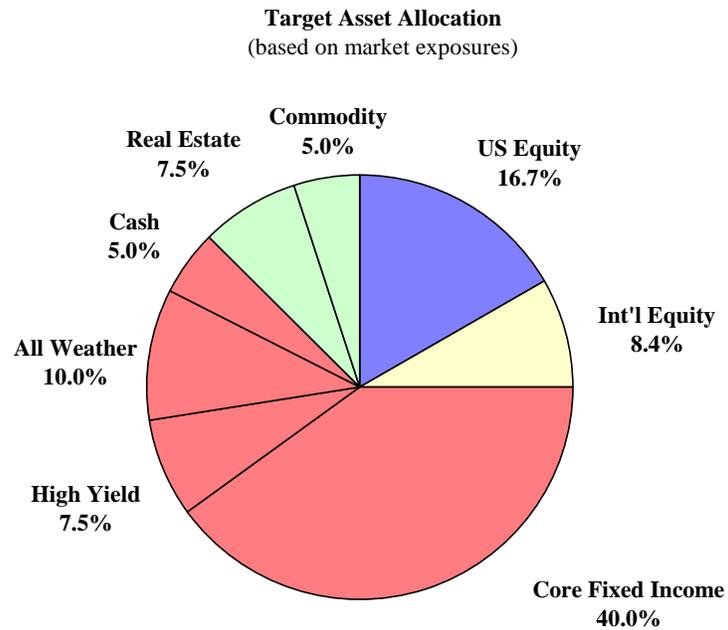
\* Pooled fund

**Employees' Retirement System – Allocation of Market Exposures**

**Target Asset Allocation**

The asset structure shown below represents the Trustees' assessment of their optimal asset allocation as of June 30, 2010. The target asset allocation provides a reasonable expectation that the System's investment objective can be achieved based on historic relationships of asset class performance.

The pie chart below details the target asset mix, consistent with the achievement of the long-term objectives of the System, as of June 30, 2010.

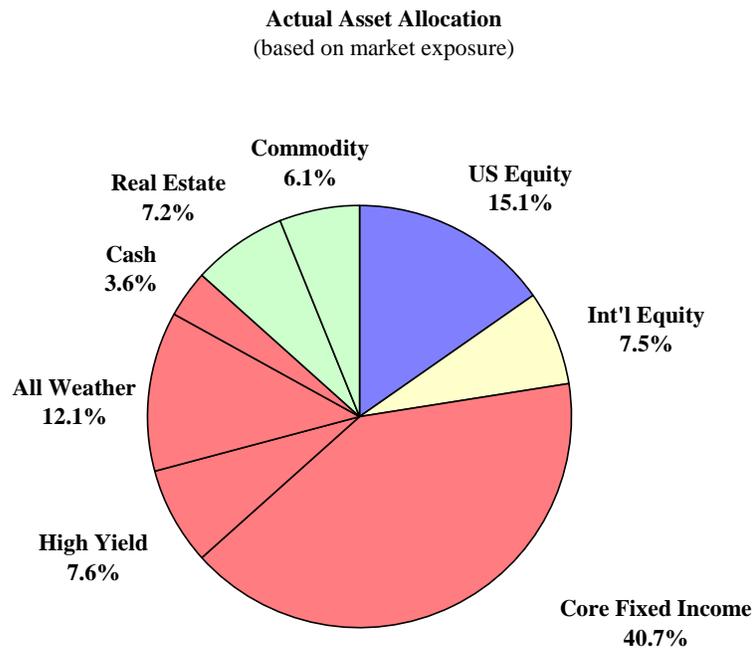


\*Asset Allocation includes cash securitization and absolute return strategies overlays.

**Actual Asset Allocation as of June 30, 2010**

The asset structure of ERS has historically reflected a proper balance of the System’s needs for liquidity, growth of assets, and risk tolerance. The System’s investment policy is designed to continue to meet its long-term investment objectives while, at the same time, providing sufficient flexibility to meet short-term funding requirements.

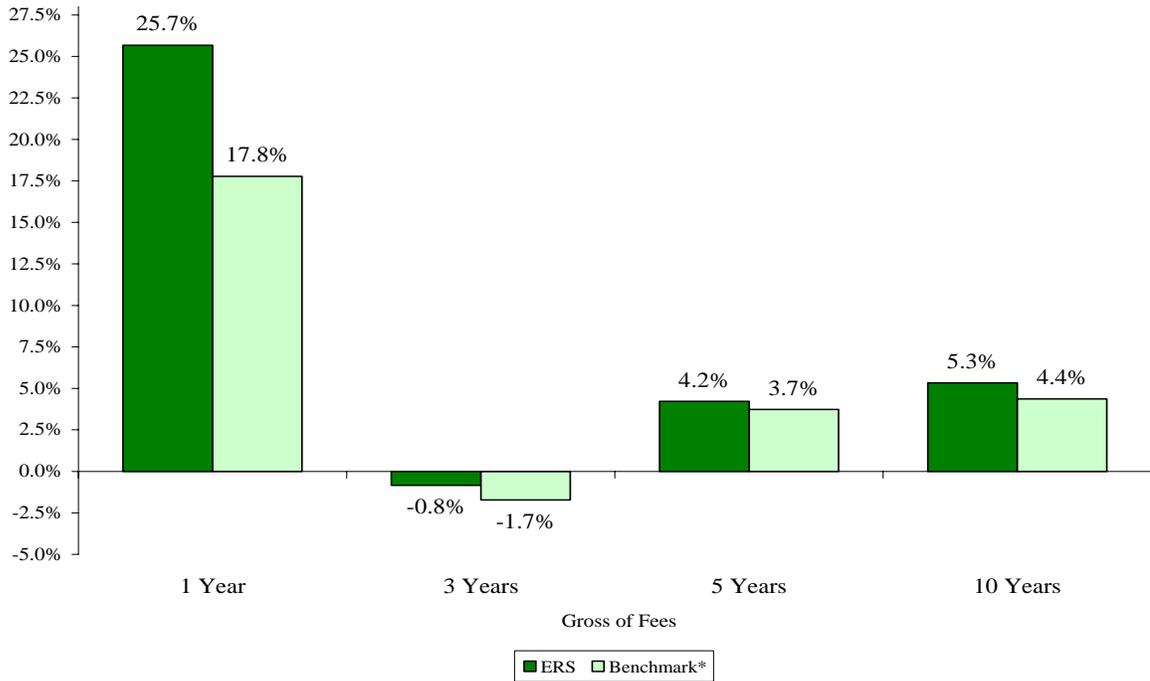
The pie chart below details the actual asset allocation as of June 30, 2010.



\*Asset Allocation includes cash securitization and absolute return strategies overlays.

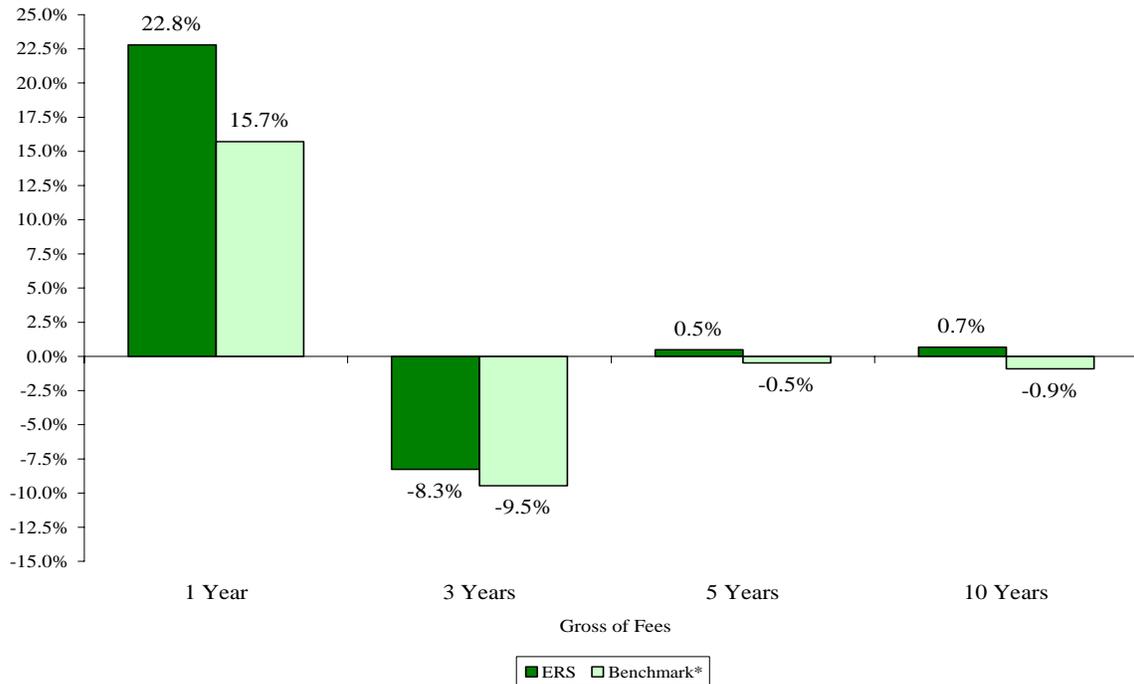
**Investment Results**

**Total Fund:**



\*Benchmark: 20% Russell 3000, 7% EAFE, 3% MSCI EMI, 3.75% CSFB High Yield, 3.75% ML High Yield Master, 50% Barclays Agg x 1.5 – 3 Month LIBOR x 0.5, 7.5% NAREIT, 5% DJ UBS Commodity

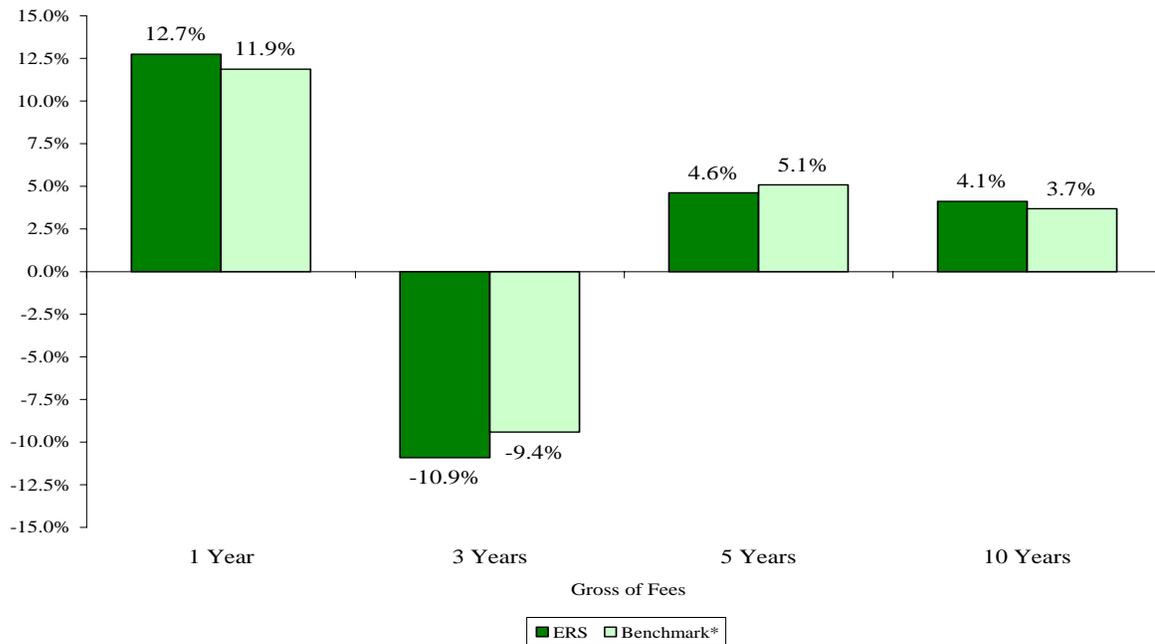
**Domestic Equity:**



\*Benchmark: Russell 3000

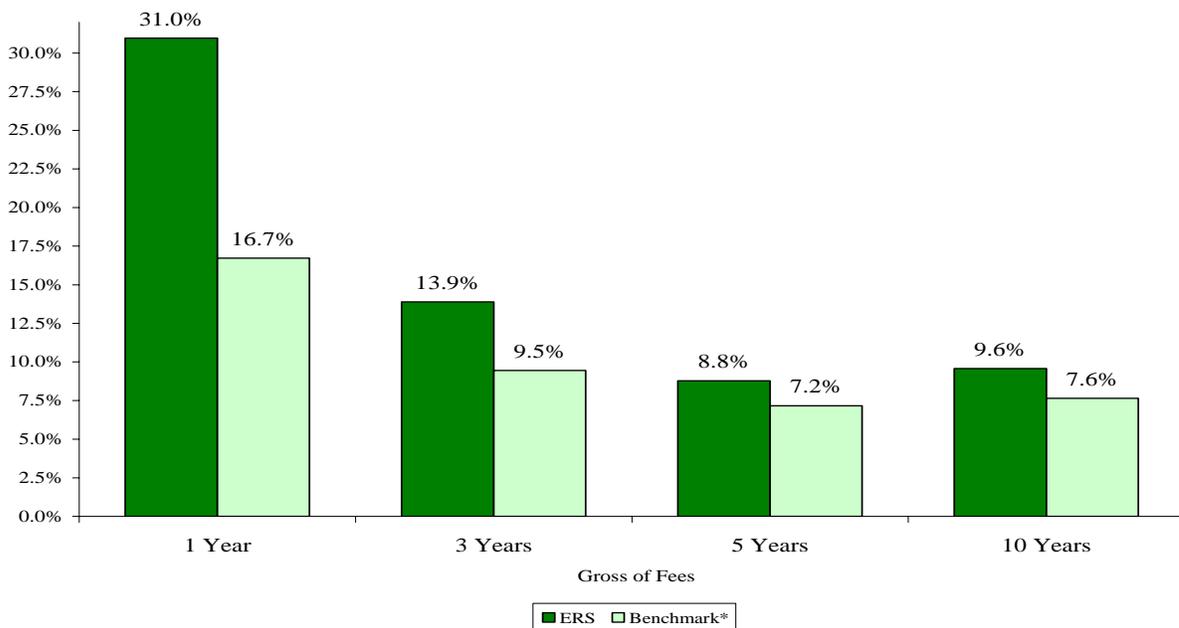
**Investment Results**

**International Equity:**



\*Benchmark: 67% MSCI EAFE, 33% MSCI EM

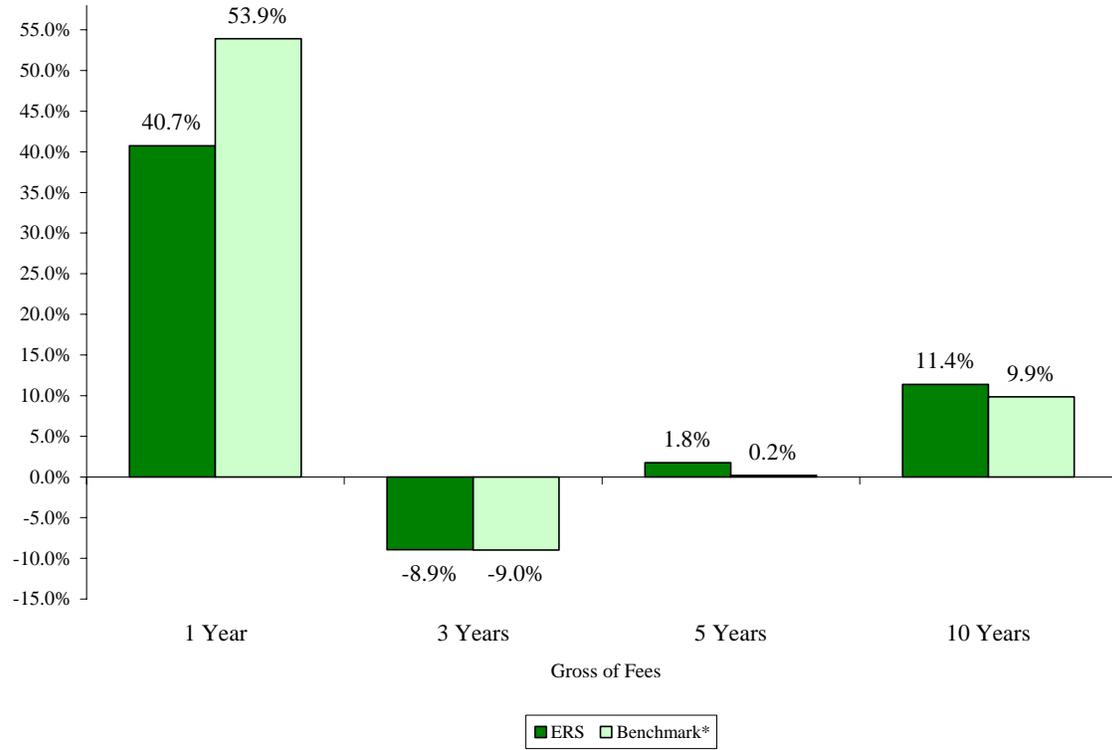
**Fixed Income:**



\*Benchmark: 81.25% Barclays Agg x 1.5 – 3 Month LIBOR x 0.5, 9.375% CSFB High Yield, 9.375% ML High Yield Master

**Investment Results**

**Real Estate:**



\*Benchmark: NAREIT Equity Share Price Index

**Schedule of Ten Largest Equity & Fixed Income Holdings**

**Ten Largest Equity Holdings**

| <u>No. Shares</u> | <u>Description</u>       | <u>Cost</u>         | <u>Fair Value</u>   | <u>% of Total Portfolio</u> |
|-------------------|--------------------------|---------------------|---------------------|-----------------------------|
| 151,051           | Simon Property Group Inc | \$9,585,498         | \$12,197,368        | 0.49%                       |
| 116,347           | Exxon Mobil Corp         | 8,303,854           | 6,639,923           | 0.27%                       |
| 26,071            | Apple Inc                | 3,278,592           | 6,557,639           | 0.27%                       |
| 71,477            | Public Storage           | 5,115,605           | 6,283,543           | 0.25%                       |
| 140,983           | Equity Residential       | 4,958,754           | 5,870,532           | 0.24%                       |
| 75,425            | Vornado Realty Trust     | 4,401,570           | 5,502,254           | 0.22%                       |
| 73,780            | Boston Properties Inc    | 5,019,192           | 5,263,465           | 0.21%                       |
| 330,908           | Sun Hung Kai Properties  | 4,419,613           | 4,563,867           | 0.18%                       |
| 198,185           | Microsoft Corp           | 5,570,372           | 4,560,237           | 0.18%                       |
| 144,500           | Allstate Corp            | <u>5,954,144</u>    | <u>4,151,485</u>    | <u>0.17%</u>                |
|                   | <b>Total</b>             | <b>\$56,607,193</b> | <b>\$61,590,313</b> | <b>2.48%</b>                |

**Ten Largest Fixed Income Holdings**

| <u>Par Value<br/>(in local values)</u> | <u>Description</u>                                 | <u>Cost<br/>(in U.S. Dollars)</u> | <u>Fair Value<br/>(in U.S. Dollars)</u> | <u>% of Total Portfolio</u> |
|--|--|-----------------------------------|---|-----------------------------|
| 7,846,860                              | U.S. Treas-CPI Inflation Index, 1.875%, 07/15/2015 | \$8,323,694                       | \$8,407,754                             | 0.34%                       |
| 7,550,000                              | U.S. Treasury Bond, 4.500%, 05/15/2038             | 8,364,709                         | 8,327,424                               | 0.34%                       |
| 8,735,000                              | New South Wales Treasury Corp, 5.500%, 03/01/2017  | 6,671,723                         | 7,424,898                               | 0.30%                       |
| 5,291,661                              | U.S. Treas-CPI Inflation Index, 2.500%, 07/15/2016 | 5,862,015                         | 5,888,613                               | 0.24%                       |
| 6,028,000,000                          | Korea (Republic of), 5.750%, 09/10/2018            | 5,469,807                         | 5,203,630                               | 0.21%                       |
| 4,744,302                              | U.S. Treas-CPI Inflation Index, 0.625%, 04/15/2013 | 4,814,550                         | 4,841,797                               | 0.20%                       |
| 6,719,545                              | Bear Stearns Asset Backed, Var Rt, 02/25/2036      | 4,255,437                         | 4,806,020                               | 0.19%                       |
| 29,860,000                             | Norway (Kingdom of) Bonds, 6.000%, 05/16/2011      | 5,302,819                         | 4,739,985                               | 0.19%                       |
| 6,100,000                              | Poland (Republic of), 5.250%, 10/25/2017           | 5,849,045                         | 4,648,026                               | 0.19%                       |
| 3,995,845                              | U.S. Treas-CPI Inflation Index, 1.625%, 01/15/2015 | <u>4,190,917</u>                  | <u>4,218,134</u>                        | <u>0.17%</u>                |
|  | <b>Total</b>                                       | <b>\$59,104,717</b>               | <b>\$58,506,281</b>                     | <b>2.37%</b>                |

**Schedule of Brokerage Commissions**  
Year Ended June 30, 2010

| <u>Broker Name</u>                       | <u>Base Volume</u>     | <u>Total Shares</u> | <u>Base Commission</u> | <u>Commission Percentage</u> |
|--|------------------------|---------------------|------------------------|------------------------------|
| JP Morgan Secs Asia Pacific, Hong Kong   | \$5,893,547            | 3,180,131           | \$15,352               | 0.26%                        |
| RBC Capital Markets Corp, Minneapolis    | 8,206,768              | 586,373             | 16,693                 | 0.20%                        |
| Macquarie Securities Limited, Hong Kong  | 10,822,260             | 5,145,797           | 17,714                 | 0.16%                        |
| Stifel Nicolaus                          | 15,315,855             | 773,914             | 24,493                 | 0.16%                        |
| Wells Fargo Securities LLC, Charlotte    | 7,183,505              | 450,446             | 11,309                 | 0.16%                        |
| Barclays Capital Inc./Le, New Jersey     | 15,022,865             | 725,034             | 23,181                 | 0.15%                        |
| Citigroup Gbl Mkts/Salomon, New York     | 10,743,949             | 2,856,850           | 16,435                 | 0.15%                        |
| Morgan J P Secs Inc, New York            | 7,297,784              | 398,746             | 11,145                 | 0.15%                        |
| Baird, Robert W & Co Inc, Milwaukee      | 7,863,553              | 385,842             | 12,000                 | 0.15%                        |
| Morgan Keegan & Co Inc, Memphis          | 5,609,069              | 262,666             | 8,172                  | 0.15%                        |
| National Finl Svcs Corp, New York        | 6,332,389              | 293,885             | 9,153                  | 0.14%                        |
| Merrill Lynch Pierce Fenner, Wilmington  | 11,044,348             | 3,179,223           | 15,884                 | 0.14%                        |
| Pershing LLC, Jersey City                | 29,819,085             | 1,324,762           | 42,338                 | 0.14%                        |
| Ubs Warburg Asia Ltd, Hong Kong          | 13,674,777             | 5,658,398           | 19,312                 | 0.14%                        |
| Goldman Sachs & Co, NY                   | 126,694,525            | 5,899,740           | 178,356                | 0.14%                        |
| Keybanc Capital Markets Inc, New York    | 9,586,775              | 376,689             | 13,090                 | 0.14%                        |
| J P Morgan Secs Ltd, London              | 8,504,473              | 1,335,091           | 11,494                 | 0.14%                        |
| Bernstein Sanford C & Co, New York       | 6,714,915              | 310,481             | 8,805                  | 0.13%                        |
| Raymond James & Assoc Inc, St Petersburg | 8,328,419              | 503,873             | 10,828                 | 0.13%                        |
| BNY Convergenx, New York                 | 57,519,130             | 2,411,711           | 74,722                 | 0.13%                        |
| Liquidnet Inc, Brooklyn                  | 22,248,205             | 1,016,555           | 28,589                 | 0.13%                        |
| Abel Noser Corp, New York                | 8,522,350              | 303,800             | 10,379                 | 0.12%                        |
| Nomura Secs Intl Inc, New York           | 10,037,896             | 1,397,055           | 11,936                 | 0.12%                        |
| Morgan Stanley & Co Inc, NY              | 50,748,959             | 5,594,888           | 54,694                 | 0.11%                        |
| Citigroup Gbl Mkts Inc, New York         | 24,251,413             | 1,115,861           | 25,767                 | 0.11%                        |
| Merrill Lynch Pierce Fenner Smith Inc NY | 140,695,775            | 5,460,525           | 147,965                | 0.11%                        |
| Barclays Capital Le, Jersey City         | 15,204,593             | 690,013             | 15,885                 | 0.10%                        |
| Merrill Lynch Intl London Equities       | 8,341,406              | 1,144,445           | 8,552                  | 0.10%                        |
| BNY Convergenx / LJR, Houston            | 41,075,184             | 1,597,917           | 42,095                 | 0.10%                        |
| J.P. Morgan Clearing Corp, New York      | 63,612,922             | 3,909,001           | 62,118                 | 0.10%                        |
| Knight Sec Broadcort, Jersey City        | 7,018,831              | 234,125             | 6,805                  | 0.10%                        |
| Deutsche Bk Secs Inc, NY                 | 72,797,495             | 6,115,443           | 67,599                 | 0.09%                        |
| UBS Securities LLC, Stamford             | 44,144,378             | 1,618,143           | 40,990                 | 0.09%                        |
| Jefferies & Co Inc, New York             | 30,701,826             | 1,418,966           | 27,948                 | 0.09%                        |
| Jonestrading Instl Svcs LLC, Westlake    | 6,702,544              | 271,450             | 6,080                  | 0.09%                        |
| Credit Suisse (Europe), London           | 6,746,706              | 551,666             | 6,048                  | 0.09%                        |
| Cap Instl Svcs Inc-Equities, Dallas      | 23,955,141             | 769,497             | 20,327                 | 0.08%                        |
| UBS Equities, London                     | 11,864,593             | 1,660,718           | 9,859                  | 0.08%                        |
| Credit Suisse, New York                  | 111,394,024            | 11,350,825          | 82,205                 | 0.07%                        |
| Frank Russell Securities, Jersey City    | 6,335,922              | 201,700             | 4,034                  | 0.06%                        |
| SG Sec (London) Ltd, London              | 7,951,850              | 361,349             | 4,641                  | 0.06%                        |
| Instinet Corp, NY                        | 30,903,286             | 901,096             | 17,813                 | 0.06%                        |
| Goldman Sachs Execution & Clearing, NY   | 22,500,844             | 791,374             | 12,679                 | 0.06%                        |
| Weeden & Co, New York                    | 40,570,364             | 1,165,116           | 22,449                 | 0.06%                        |
| Barclays Capital, London                 | 15,685,561             | 1,775,261           | 8,478                  | 0.05%                        |
| Sanford C Bernstein & Co Inc, London     | 12,172,788             | 1,411,700           | 6,296                  | 0.05%                        |
| Rosenblatt Securities LLC, Jersey City   | 11,100,390             | 290,300             | 5,550                  | 0.05%                        |
| Guzman & Co, New York                    | 13,440,333             | 351,745             | 6,720                  | 0.05%                        |
| WJB Capital Group Inc, New York          | 5,477,595              | 114,963             | 2,299                  | 0.04%                        |
| Mellon Financial Mrkts LLC, Jersey City  | 17,000,003             | 411,513             | 4,115                  | 0.02%                        |
| Other Brokers                            | <u>186,911,787</u>     | <u>38,968,546</u>   | <u>261,148</u>         | <u>0.14%</u>                 |
| <b>Total</b>                             | <b>\$1,442,292,953</b> | <b>129,025,208</b>  | <b>\$1,572,542</b>     | <b>0.11%</b>                 |

**Investment Summary**  
(Based on Capital Allocation)

|                         | <u>As of June 30, 2009</u> |                       | <u>As of June 30, 2010</u> |                       |
|-------------------------|----------------------------|-----------------------|----------------------------|-----------------------|
|                         | <u>Market Value</u>        | <u>% Market Value</u> | <u>Market Value</u>        | <u>% Market Value</u> |
| Domestic Equities       | \$336,821,749              | 16.5%                 | \$381,650,910              | 15.5%                 |
| International Equities  | 225,399,964                | 11.1%                 | 217,154,093                | 8.8%                  |
| Fixed Income            | 818,938,297                | 40.2%                 | 1,103,539,102              | 44.7%                 |
| Alternative Investments | 290,889,610                | 14.3%                 | 320,864,316                | 13.0%                 |
| Absolute Return         | 328,002,951                | 16.1%                 | 321,383,345                | 13.0%                 |
| Short-term              | <u>37,155,502</u>          | <u>1.8%</u>           | <u>123,169,566</u>         | <u>5.0%</u>           |
| <b>Total</b>            | <b>\$2,037,208,073</b>     | <b>100.0%</b>         | <b>\$2,467,761,331</b>     | <b>100.0%</b>         |

**Schedule of Direct Investment Management Fees**

Year Ended June 30, 2010

| <b>Asset Class</b>                        |                                  |                            |                     |
|---|----------------------------------|----------------------------|---------------------|
| <b><u>Manager</u></b>                     | <b><u>Investment Style</u></b>   | <b><u>Total Assets</u></b> | <b><u>Fees</u></b>  |
| <b><i>Domestic Equities</i></b>           |                                  |                            |                     |
| DePrince, Race & Zollo                    | Large Cap Value                  | \$78,009,321               | \$ 341,836          |
| Enhanced Inv. Technologies (INTECH)       | Large Cap Growth                 | 78,404,194                 | 424,010             |
| Pzena Investment Management               | Large Cap Value                  | 76,745,729                 | 425,786             |
| Sands Capital Management                  | Large Cap Growth                 | 33,222,773                 | 279,130             |
| Columbia Wanger Asset Management          | Small/Mid Cap Core               | 115,268,892                | 746,164             |
| <b><i>International Equities</i></b>      |                                  |                            |                     |
| LSV Asset Management                      | Developed Markets Value          | 58,338,330                 | 471,766             |
| Artio Investment Management               | Developed Markets                | 64,065,583                 | 404,399             |
| Marathon Asset Management                 | Developed Markets                | 31,529,899                 | 296,298             |
| <b><i>Fixed Income</i></b>                |                                  |                            |                     |
| Brandywine Asset Management               | Global Bonds                     | 119,415,973                | 453,485             |
| Trust Company of the West*                | Mortgage-Backed Securities       | -                          | 1,039,027           |
| DoubleLine Capital                        | Mortgage-Backed Securities       | 131,917,220                | 195,587             |
| DoubleLine Capital                        | Special Mortgage Credit          | 27,077,254                 | 24,161              |
| Gramercy Argentina Debt                   | Distressed Opportunity           | 9,746,328                  | 72,813              |
| Post Advisory                             | High Yield Bonds                 | 65,779,871                 | 123,046             |
| MacKay Shields                            | High Yield Bonds                 | 66,238,383                 | 296,742             |
| Shenkman Capital Management               | High Yield Bonds                 | 65,806,303                 | 323,583             |
| <b><i>Alternative Investments</i></b>     |                                  |                            |                     |
| Cohen & Steers Capital Management         | US Real Estate Inv. Trusts       | 125,515,713                | 600,893             |
| Cohen & Steers Capital Management         | Int'l Real Estate Securities     | 56,407,504                 | 417,002             |
| Pacific Investment Management Co. (PIMCO) | Collateralized Commodity Futures | 138,941,099                | 493,525             |
| <b><i>Absolute Return</i></b>             |                                  |                            |                     |
| BGI GlobalAlpha Fund                      | Global Bonds                     | 70,621,134                 | 991,223             |
| Deerfield Capital Management              | Long/Short Duration Mgt.         | 38,035,574                 | 339,852             |
| <b><i>Short-term</i></b>                  |                                  |                            |                     |
| The Clifton Group                         | Policy Implementation Overlay    | 46,975,002                 | 368,415             |
| BNY Mellon Cash Investment Strategies     | Plan Level Cash Accounts         | <u>73,770,318</u>          | <u>124,671</u>      |
| <b>Total</b>                              |                                  | <b>\$ 1,571,832,396</b>    | <b>\$ 9,253,414</b> |

\* Terminated during FY 2010



Classic Values, Innovative Advice

March 3, 2010

Fairfax County Employees'  
Retirement System  
10680 Main Street, Suite 280  
Fairfax, Virginia 22030-3812

Dear Members of the Board:

At your request, we have conducted our annual actuarial valuation of the Fairfax County Employees' Retirement System as of July 1, 2009. The results of the valuation are contained in this report.

***Funding Objective***

The funding objective of the System is to establish contribution rates which, over time, will remain level as a percent of payroll. In order to achieve a more stable contribution rate the County implemented a corridor funding method on July 1, 2002 (based on the July 1, 2001 valuation results). Under this approach the contribution rate is based on the normal cost rate and expense rate on July 1, 2001, adjusted for subsequent plan changes, including a 15 year amortization of any UAL impact. The rate will otherwise remain at this level as long as the actuarial funded ratio remains within a corridor of 90% to 120%. Since the funding ratio is currently below 90%, additional contributions are being made by the County.

***Assumptions***

The actuarial assumptions used in performing the July 1, 2009 valuation were recommended by the actuary and adopted by the Board of Trustees based on our most recent review of the System's experience for the five year period ending June 30, 2005. The assumptions reflect our understanding of the likely future experience of the System and the assumptions as a whole represent our best estimate for the future experience of the System. The results of this report are dependent upon future experience conforming to these assumptions. To the extent that future experience deviates from these assumptions, the true cost of the System could vary from our results.

The assumptions and methods used in performing this valuation meet the parameters set by Governmental Accounting Standards Board (GASB) Statement No. 25, *Financial Reporting for Defined Benefit Pension Plans and Note Disclosures for Defined Contributions Plans*.

***Reliance on Others***

In preparing our report, we relied without audit, on information (some oral and some written) supplied by the System's staff. This information includes, but is not limited to, plan provisions, employee data, and financial information. The census data provided was reviewed for reasonableness and for consistency with prior year's data.

1750 Tysons Boulevard, Suite 1100, McLean, VA 22102

Tel: 703.893.1456

Fax: 703.893.2006

[www.cheiron.us](http://www.cheiron.us)



Classic Values, Innovative Advice

March 3, 2010  
Fairfax County Employees' Retirement System  
Page 2

**Supporting Schedules**

We are responsible for all supporting schedules to be found in the Actuarial Section.

We are responsible for the 2004 through 2009 information in the Schedule of Funding Progress, Schedule of Employer Contributions and Notes to Trend Data shown in the Financial Section.

**Compliance with Code of Virginia §51.1-800**

Code of Virginia §51.1-800 requires that the benefits provided to a retiree at age 65 from a local retirement system equal or exceed two-thirds of the allowance to which the employee would be entitled under the provisions of the Virginia Retirement System (VRS). The Board of Trustees of the VRS is to determine whether a local system satisfies this condition, taking into account differences in member contributions between the local system and the VRS.

Although there is no formal procedure for making this comparison, we compared the least valuable rate under the Employees' System to the most valuable accrual rate under the VRS, making adjustments for the fact that employee contributions are required in excess of the VRS 5% rate. The employer provided accrual rates do exceed two-thirds of the employer provided accrual rates under the VRS plan.

I certify that, to the best of my knowledge and understanding, the Fairfax County Employees' Retirement System satisfies the requirements of the Code of Virginia §51.1-800.

**Certification**

I, Fiona Liston, am a consulting actuary for Cheiron. I am also a member of the American Academy of Actuaries and meet their Qualification Standards to render the actuarial opinion contained herein.

I hereby certify that, to the best of my knowledge, this report is complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices which are consistent with the Code of Professional Conduct and applicable Actuarial Standards of Practice set out by the Actuarial Standards Board, and that as a Member of the American Academy of Actuaries, I meet the Qualification Standards to render the opinions contained herein.

Sincerely,  
Cheiron

A handwritten signature in black ink that reads "Fiona E. Liston".

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Consulting Actuary

**Summary of Valuation Results**

**Overview**

This report presents the results of the July 1, 2009 actuarial valuation of the Fairfax County Employees' Retirement System. The primary purposes of performing the annual actuarial valuation are to:

- Measure and disclose, as of the valuation date, the financial condition of the Plan;
- Indicate trends in the financial progress of the Plan;
- Determine the contribution rate to be paid by the County for Fiscal Year 2011;
- Provide specific information and documentation required by the Governmental Accounting Standards Board (GASB).

This section of the report presents a summary of the above information in the form of:

- The actuary's comments;
- The prior year's experience of the System's assets, liabilities, contributions, and membership;
- A series of graphs which highlight key trends experienced by the System; and
- A summary of all principal results from this year's valuation, compared to last year's, in a single table, intended for quick reference purposes.

**General Comments**

The employer's annual contribution to this System is determined by using a corridor funding method. Under this funding approach, the County's contribution rate is based on the normal cost rate plus expense rate determined as of the implementation date of the corridor method (July 1, 2001) 5.85% of payroll plus an expense rate, currently 0.15% of payroll. This rate is adjusted for benefit and assumption changes, but otherwise will remain the same as long as the System's actuarial funded ratio remains within a corridor of 90% to 120%.

The employer contribution rate will change when benefits are increased or modified or assumptions are changed. The new rate will reflect the change in normal cost rate and the change in actuarial liability amortized over 15 years. Since the inception of the corridor funding method the normal cost rate has increased by 0.10% and the UAL rate has increased by 1.47%, the specific changes are summarized in the table below:

| <b>Changes Since 2001</b>     | <b><u>Impact on</u></b> |                 |
|-------------------------------|-------------------------|-----------------|
|                               | <b>Normal Cost Rate</b> | <b>UAL Rate</b> |
| 2002 ad-hoc COLA              | N/A                     | + 0.13%         |
| 2005 Assumption Changes       | + 0.05%                 | + 1.23%         |
| 2006 DROP Implementation      | + 0.03%                 | + 0.10%         |
| 2006 DPSC Conversion          | N/A                     | - 0.04%         |
| 2007 Reduce Disability Offset | + 0.01%                 | + 0.03%         |
| 2008 Reduce Disability Offset | <u>+ 0.01%</u>          | <u>+ 0.02%</u>  |
| <b>Total Increase</b>         | <b>+ 0.10%</b>          | <b>+ 1.47%</b>  |

The basic corridor funding contribution is currently 7.57% of payroll. The normal cost rate and actuarial accrued liability will continue to be measured using the entry age funding method. If the funded status falls outside the corridor, a credit (if above 120%) or charge (if below 90%) will be established based on a 15-year amortization equal to the amount necessary to re-enter the corridor. Once the funded status is within the corridor, the contribution rate will return to the normal cost rate plus expense rate, and any remaining amortization for benefit or assumption changes.

The valuation as of July 1, 2009 shows that the actuarial funded ratio of this System (including a credit for the amortization piece of prior benefit increases and assumption changes) remains out of the corridor.

The County's contribution rate for FY 2011 will increase from 9.71% to 14.22% of payroll, on the basis of this valuation's results.

The calculated contribution rate for Governmental Accounting Standards Board (GASB) purposes is based on a rolling 15-year amortization of the actuarial unfunded liability.

### **Trends**

There was a significant downturn in the financial markets during the fiscal year ending in 2009, which produced an actuarial loss on the asset side of the System. The actual return on a market value basis was approximately -23.96%. On an actuarial value basis, the assets returned -2.88% compared with an assumed rate of return of 7.5%. The loss recognized for funding purposes was \$282.1 million.

The measurement of liabilities produced a loss this year in the amount of \$62.4 million. This loss was due to experience not meeting our assumptions about salary increases, retirement behavior, death, etc. Specific components of the loss include:

- The average salary increase was 6.3% for active participants who were in both the July 1, 2008 and July 1, 2009 valuations. This was more than the expected salary growth based on the actuarial assumption, which worked out to average 5.2%. This resulted in a \$16.7 million loss.
- The valuation assumes a 3% cost-of-living adjustment each year for benefits in pay status. The actual CPI-based COLA was 0.4% last year, creating a liability gain of \$33.6 million.
- An annual component of liability loss is the delayed recognition of new hires throughout the year. This does not contribute to an increase in the System's unfunded liability because both the member and the employer make contributions from the date of hire. However, when we look only at the liability side they are a component of the annual liability loss and this year they contributed \$5.9 million to that number.
- This valuation closes a source of "false gains" that were arising over the last two valuations. The false gains arose due to a timing difference between when the records for those leaving DROP status were being updated. In the 2008 valuation a group of former DROP participants were excluded from the valuation liabilities. This group has been added back this year as being in a retired status. This correction gave rise to a loss of \$50.7 million.
- There was a \$22.7 million liability loss component that is made up of various other causes such as members terminating, dying or becoming disabled in a way contrary to the assumption and also data changes from previous years.

The combination of plan changes, liability and investment experience over the last year led to the System's funding ratio (actuarial value of assets over actuarial accrued liability) decreasing from 82.7% at July 1, 2008 to 73.6% at July 1, 2009. For purposes of measuring whether the System remains within the funding corridor, an adjusted funding ratio is used. In this ratio there is an additional asset recognized in the amount of the unfunded actuarial liability (UAL) payments being made by the County to pay for benefit increases and assumption changes. On this basis, the System's actuarial funded ratio decreased from 85.3% at July 1, 2008 to 76.0% at July 1, 2009.

It is important to take a step back from the latest results and view them in the context of the System's recent history. On the next two pages we present a series of charts which display key factors in the valuations over the last 15 years. After the historical review we present a few projection graphs, showing the possible condition of the System over the next 15 years under various market return scenarios.

The following is a key to the abbreviations used in the actuarial graphs:

**PVAB** – Present Value of accrued benefits

**PSL** – Past service liability

**PVFB** – Present value of future benefits

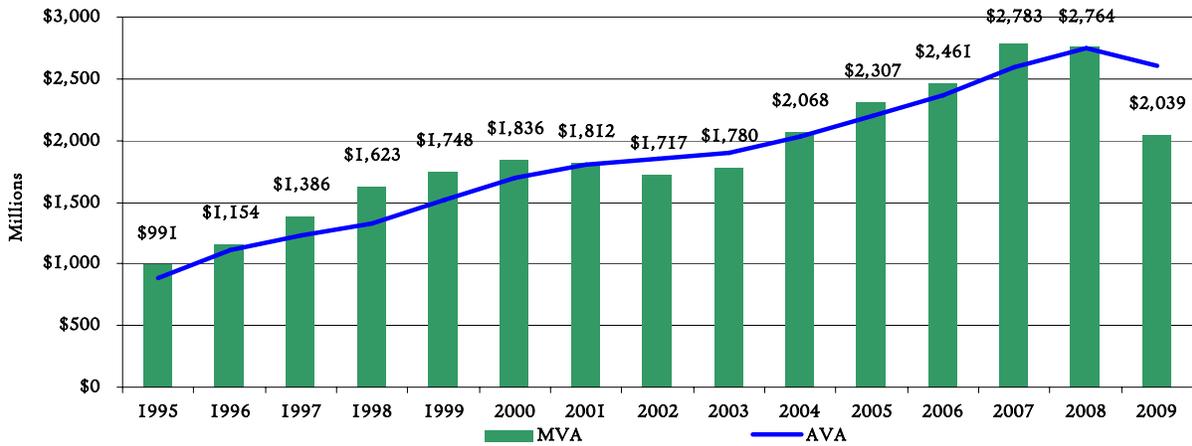
**AAL** – Accrued Actuarial Liability

**MVA** – Market value of assets

**AVA** – Actuarial value of assets

**DROP** – Deferred Retirement Option Program

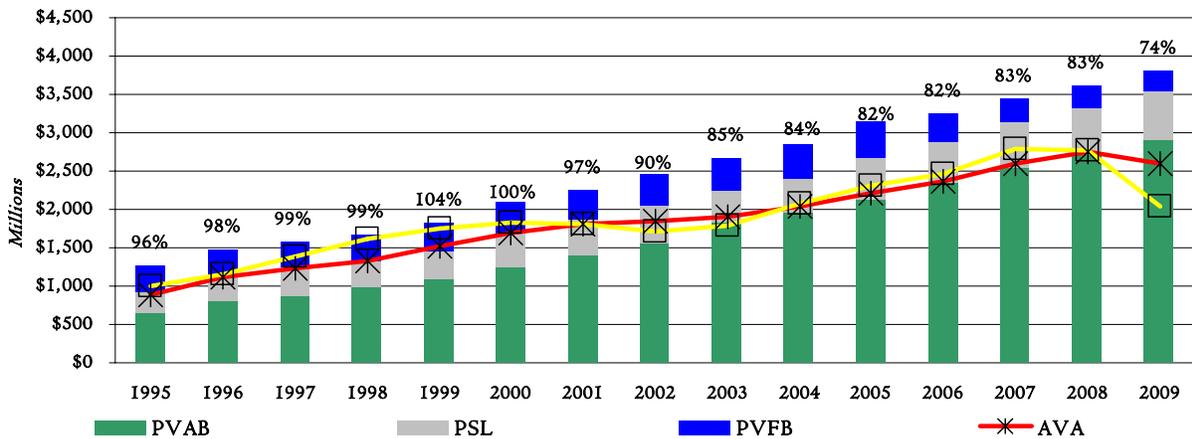
**Growth in Assets**



There was a substantial decline in the market value of assets (MVA) over last year due to a negative return of 24.0%. The actuarial value of assets (AVA) decreased as well but not as significantly because a portion of this year’s investment loss is being held for future recognition. The System recognized only a third of the actuarial asset loss this year, and there remains \$564 million unrecognized losses that will be phased in over the next few years.

Over the period July 1, 1995 to June 30, 2009 the System’s assets returned approximately 6.4% per year measured at market value, compared to a valuation assumption of 7.5% per year.

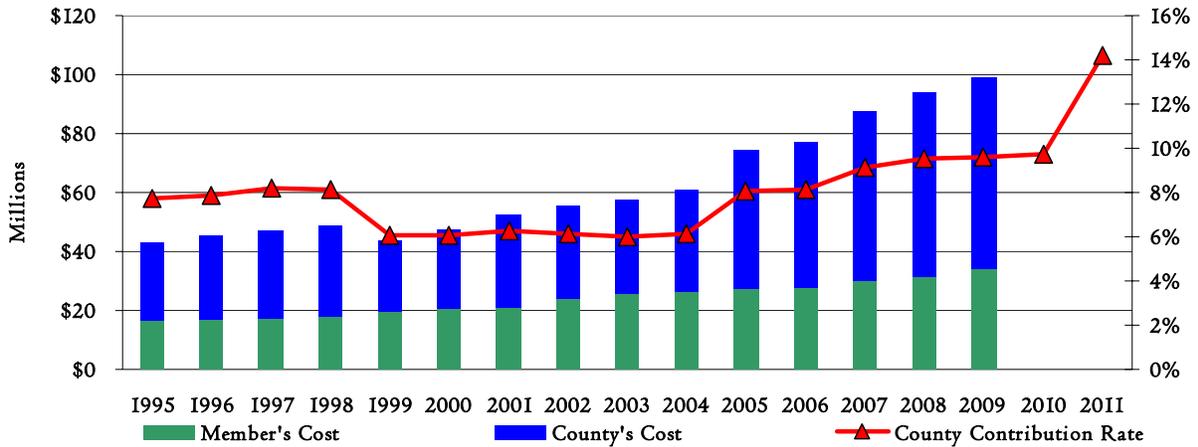
**Assets and Liabilities**



The three colored bars represent the three different measures of liability mentioned in this report. The amount represented by the top of the blue bars, the present value of future benefits (PVFB), is the amount needed to provide all benefits for the current participants and their beneficiaries. If the System had assets equal to the PVFB no contributions would, in theory, be needed for the current members. For funding purposes, the target amount is represented by the top of the gray bar. We compare the actuarial value of assets to this measure of liability in developing the funded percent. These are the percentages shown in the graph labels.

Over the past two years, the System’s funded status has declined from 83% to 74% as a result of investment losses recognized so far in the smoothing process.

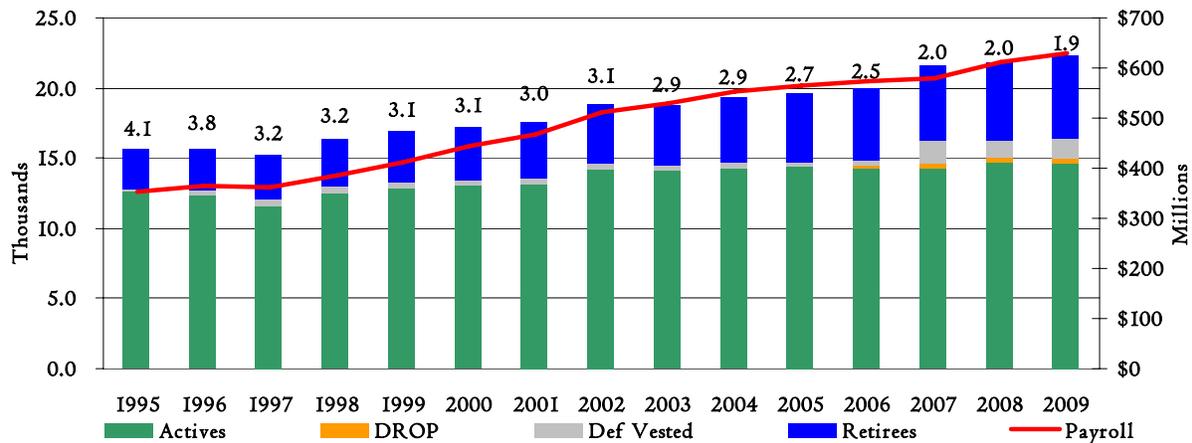
**Contribution Rates**



The stacked bars in this graph show the contributions made by both the County and the members (left hand scale). The red line shows the County contribution rate as a percent of payroll (right hand scale).

The member contribution rate is set by the County Ordinance. The County contribution rate is set by the actuarial process, as constrained by the corridor method. Note, there is a lag in the rate shown. For example, the 2009 value is the rate prepared by the 2007 valuation and implemented for the period July 1, 2008 to June 30, 2009.

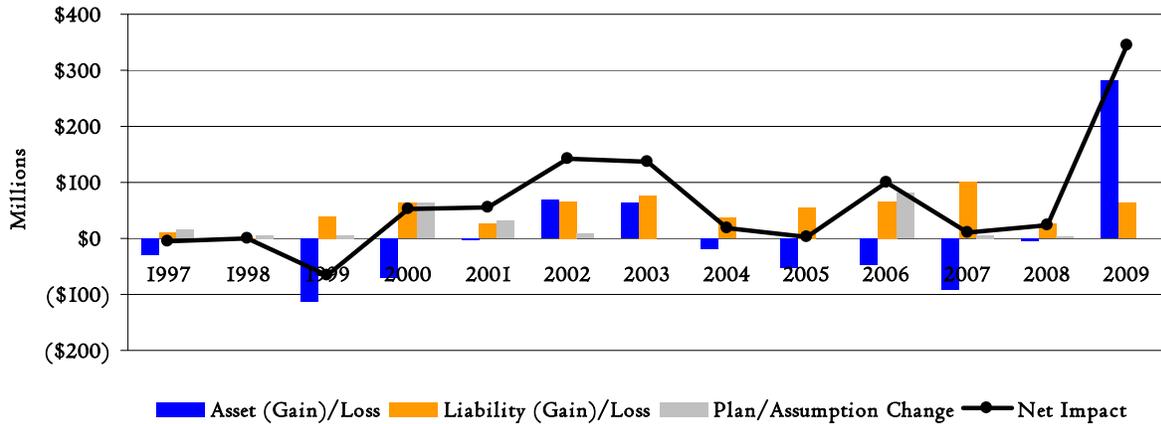
**Participant Trends**



As with many funds in this country, there has been a steady growth in the number of retired members as the System has matured. The active-to-inactive ratio has decreased from 4.1 actives to each inactive in 1995 to 1.9 actives for each inactive today. While this would be an alarming trend in a pay-as-you-go system, the pool of invested assets has been established in anticipation of this development.

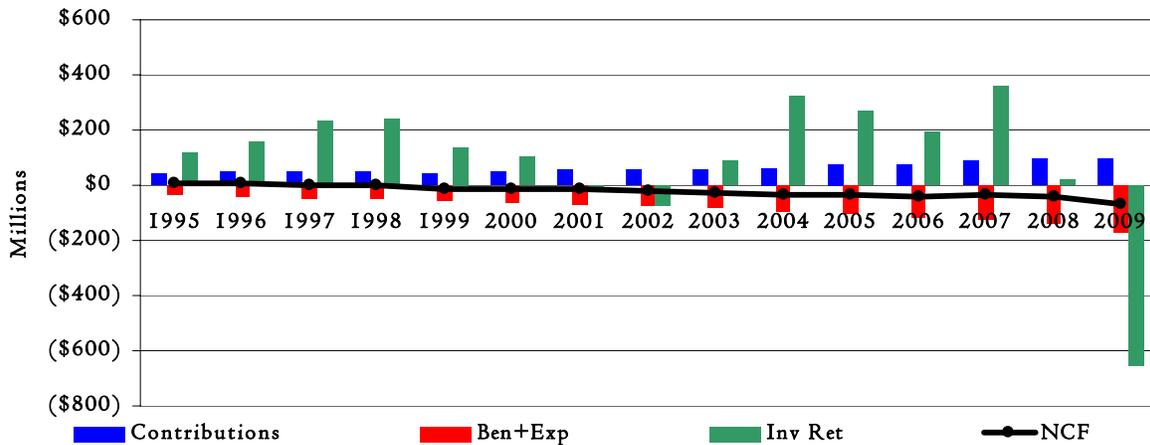
Starting in 2006, the chart also shows the number of DROP participants. Neither employer nor member contributions are made on their behalf, which leads to a slightly lower growth in effective covered payroll for this System.

**Gains and Losses**



This graph shows the annual gains and losses experienced by the System, along with the change in Unfunded Actuarial Liability (UAL) due to plan amendments and changes in assumptions. The black line shows the net impact of all such changes in a given year. Positive numbers represent increases in the UAL while negative numbers show reductions.

**Cash Flow**



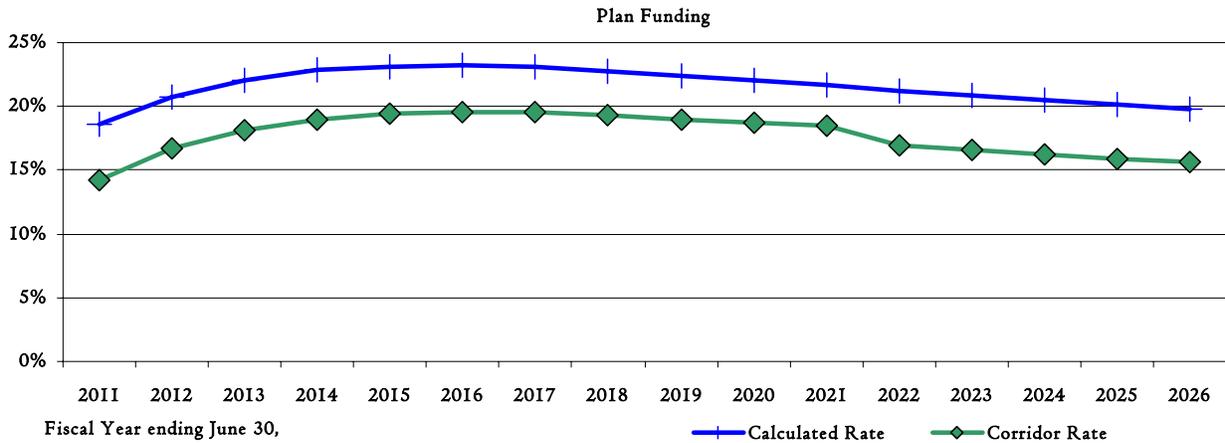
The graph shows the annual cash flows into and out of the System. The graph shows the magnitude the investment returns on the market value (green bars) compared to the contributions (blue bars). The net cash flow (line) is comparing the contributions to benefits and expenses (red bar). Negative cash flow is expected for a mature plan such as this one. The implications of a plan with negative cash flow are that the impact of market fluctuations can be more severe. This is because as assets are being depleted to pay benefits in down markets, less principal is available to be reinvested during periods of favorable returns.

**Future Outlook**

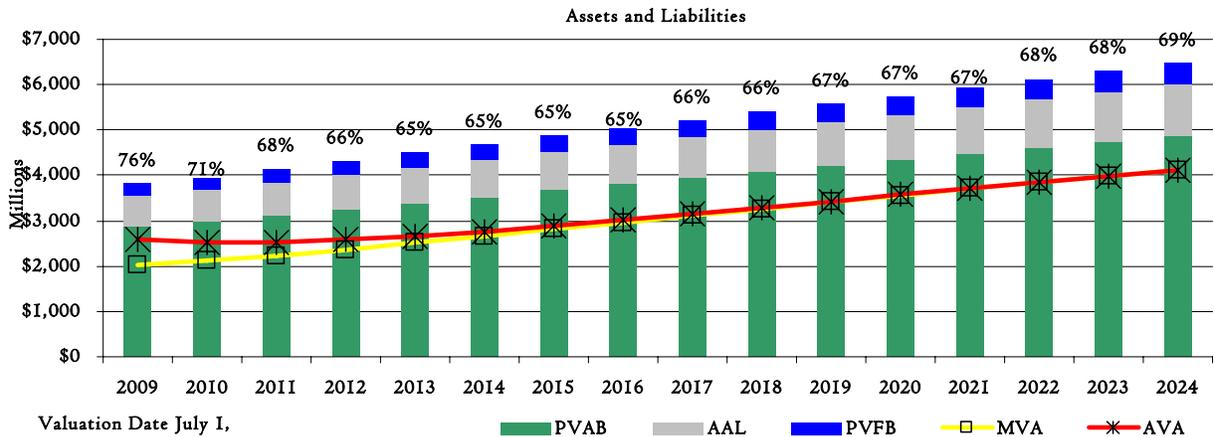
**Base Line Projections**

The two graphs below show the expected progress of the Plan over the next 15 years assuming the System’s assets earn 7.5% on their *market value*.

The graph entitled “Plan Funding” shows the System not re-entering the corridor (if all other actuarial assumptions are met as well as the 7.5% interest rate). The decrease in corridor contributions (green line) towards the end of the period show plan change bases becoming fully amortized and dropping out. The blue line shows the actuarially calculated rate if the corridor were not in place. Under this scenario the corridor rate approaches a high point of almost 20% of payroll.



The “Assets and Liabilities” graph shows the projected funding status over the next 15 years. The corridor funded ratio will continue to decline in the short term as unrecognized investment gains are incorporated in the actuarial value of assets. After this period the funding ratio increases slightly to 69% by the end of the period shown.



*Actuarial Section*

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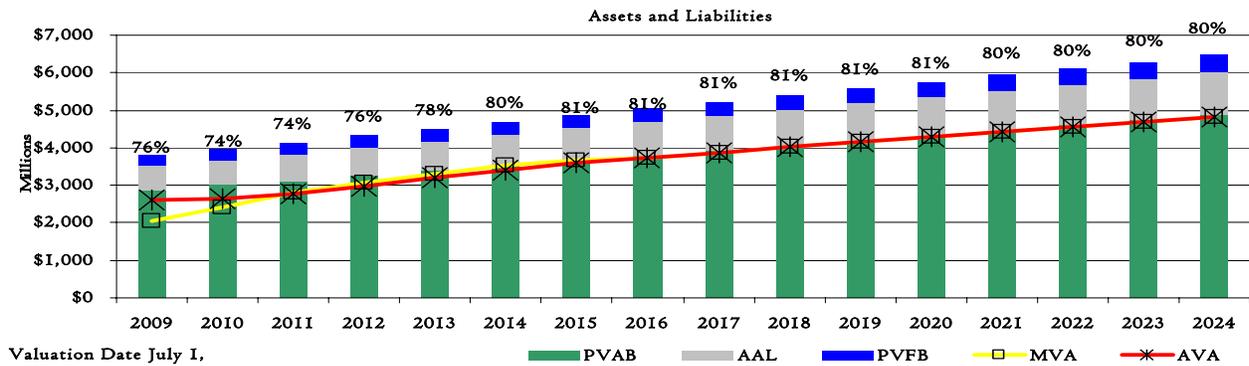
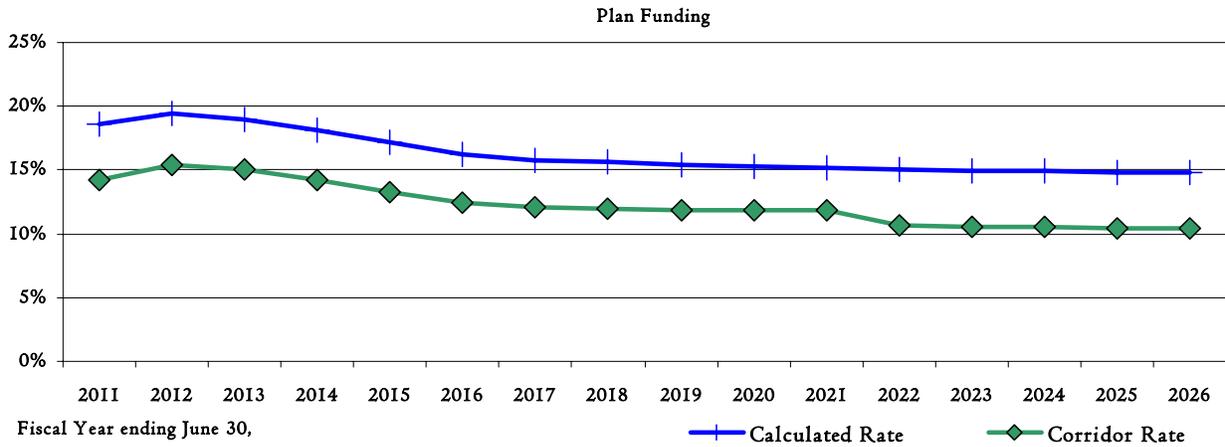
The future funding status of this System will be influenced by the investment earnings. The prior projection assumed the System would earn 7.5% each and every year, which is extremely unlikely.

In the projections that follow we show the risk to the System under volatile markets. Since 1981 the System has averaged 9.50% return per year, therefore, for this analysis we have created the following three scenarios that produce the same average return.

| <b>Fiscal Year<br/>Ending June 30,</b> | <b>Favorable<br/>Returns Early</b> | <b>Poor<br/>Returns Early</b> | <b>Random<br/>Returns</b> |
|--|------------------------------------|-------------------------------|---------------------------|
| 2010                                   | 22.50%                             | 5.00%                         | 23.72%                    |
| 2011                                   | 18.00%                             | 7.00%                         | 4.00%                     |
| 2012                                   | 12.00%                             | 9.00%                         | 1.95%                     |
| 2013                                   | 10.00%                             | 10.00%                        | 11.70%                    |
| 2014                                   | 9.00%                              | 12.00%                        | 4.10%                     |
| 2015                                   | 7.00%                              | 18.00%                        | 10.59%                    |
| 2016                                   | 5.00%                              | 22.50%                        | 16.04%                    |
| 2017                                   | 7.50%                              | 7.50%                         | 21.82%                    |
| 2018                                   | 7.50%                              | 7.50%                         | 5.39%                     |
| 2019                                   | 7.50%                              | 7.50%                         | 6.35%                     |
| 2020                                   | 7.50%                              | 7.50%                         | 5.37%                     |
| 2021                                   | 7.50%                              | 7.50%                         | 16.10%                    |
| 2022                                   | 7.50%                              | 7.50%                         | 6.64%                     |
| 2023                                   | 7.50%                              | 7.50%                         | -5.02%                    |
| 2024                                   | 7.50%                              | 7.50%                         | 18.36%                    |
| <b>Average</b>                         | <b>9.52%</b>                       | <b>9.48%</b>                  | <b>9.53%</b>              |

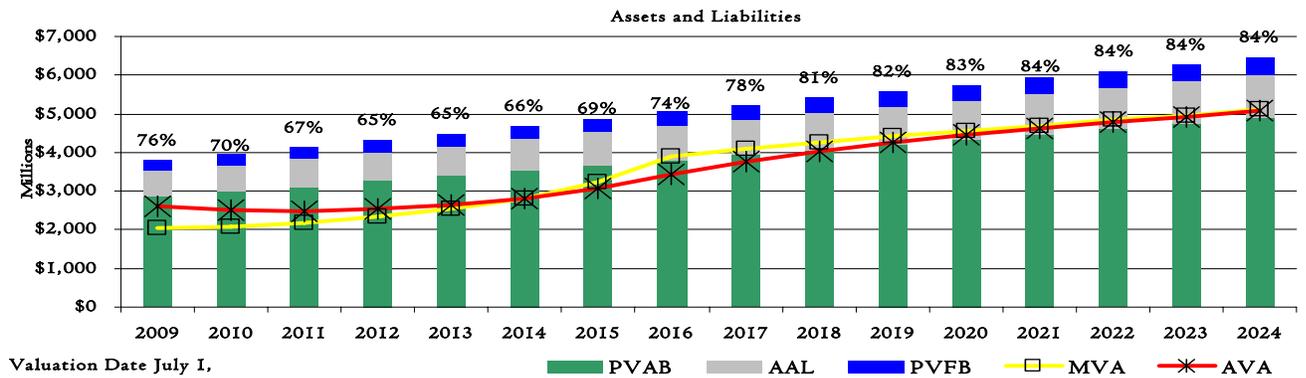
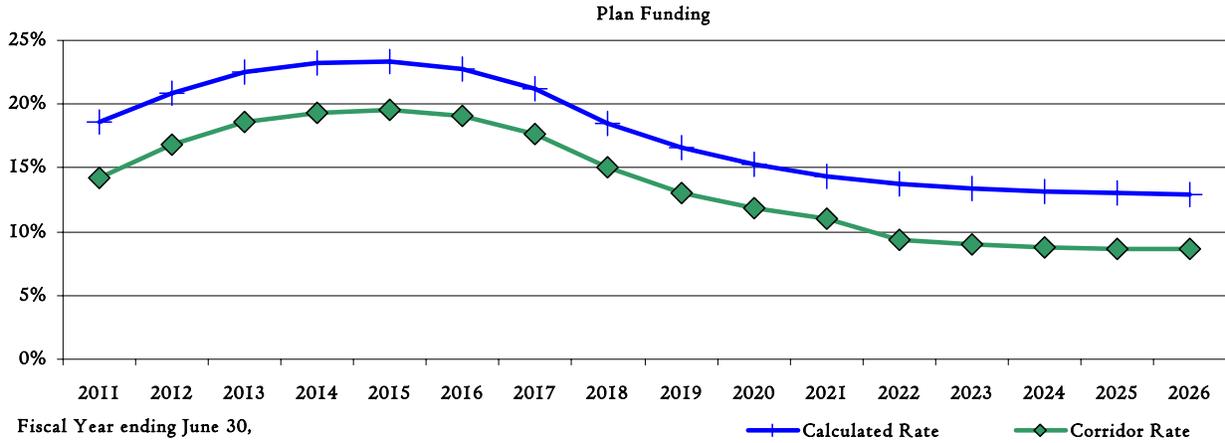
**Alternative Projection -- with favorable returns early in the projection:**

Under this scenario the corridor contribution rate would increase slightly for FY 2012 as prior asset losses are phased-in, but then decline thereafter. The System reaches 81% funded by 2015 after the period of favorable returns modeled in this scenario are completely phased-in, but then declines to 80% by 2021 after the phase-in of the poor returns.



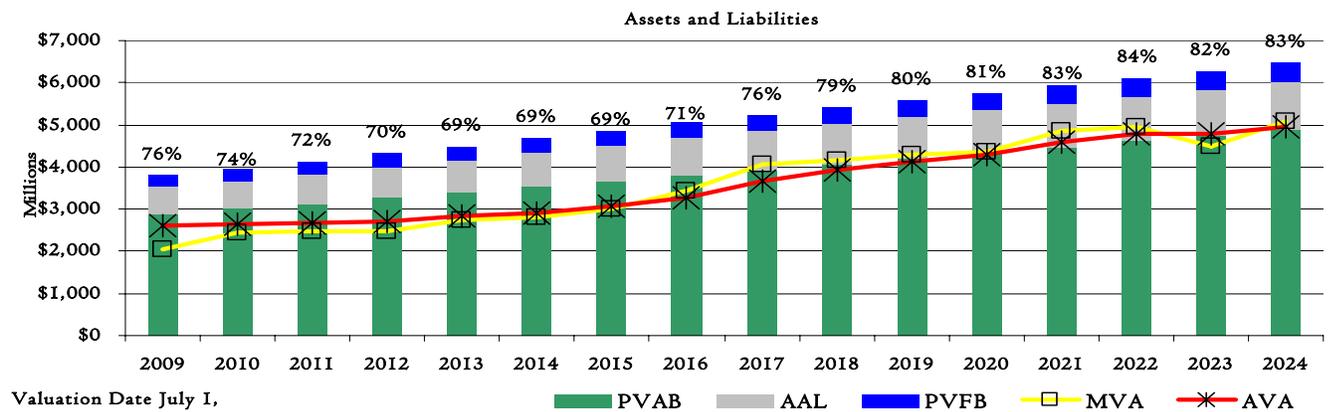
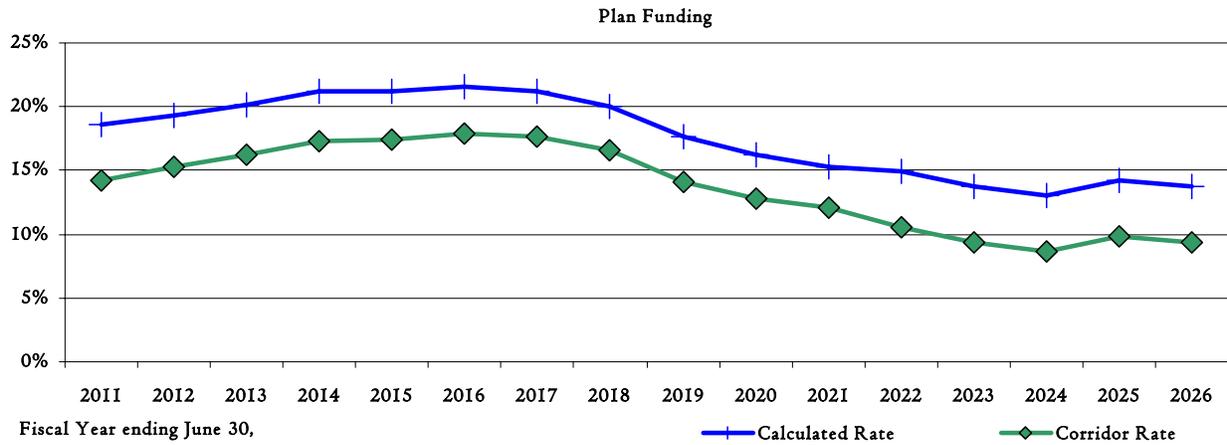
**Alternative Projection -- with poor returns early in the projection:**

Under this scenario the corridor contribution rate increase over the next four years due to the investment performance modeled in this scenario and the phase-in of prior asset losses. The rate would decline from FY 2015 due to the returns in excess of the actuarial assumption. The funding ratio would reach 84% by 2021.



**Alternative Projection (Random Returns):**

Under this scenario the corridor contribution rate ranges between 14% and 18% until FY 2017. At that point the contribution would start to decline as the funding ratio improves. This scenario shows the System at 83% funded at the end of the period.



| <b>Summary of Principal Plan Results</b>  |                         |                         |              |
|---|-------------------------|-------------------------|--------------|
| <b>Valuation as of:</b>   | <b>7/1/2008</b>         | <b>7/1/2009</b>         | <b>% Chg</b> |
| <b><u>Participant Counts</u></b>  |                         |                         |              |
| Actives (excluding DROP)  | 14,705                  | 14,616                  | -0.6%        |
| DROPs   | 366                     | 418                     | 14.2%        |
| Terminated Vesteds  | 1,241                   | 1,342                   | 8.1%         |
| In Pay Status   | <u>5,585</u>            | <u>5,931</u>            | 6.2%         |
| Total   | 21,897                  | 22,307                  | 1.9%         |
| Annual Salaries of Active Members   | \$ 610,876,960          | \$ 628,481,359          | 2.9%         |
| Annual Retirement Allowances for Retired Members and Beneficiaries (Base amount only – not supplements) | \$ 113,441,455          | \$ 123,176,801          | 8.6%         |
| <b><u>Assets and Liabilities</u></b>  |                         |                         |              |
| Actuarial Accrued Liability   | \$ 3,328,900,991        | \$ 3,535,873,545        | 6.2%         |
| Assets for Valuation Purposes   | <u>2,752,873,842</u>    | <u>2,603,283,631</u>    | -5.4%        |
| Unfunded Actuarial Liability  | \$ 576,027,149          | \$ 932,589,914          | 61.9%        |
| Funding Ratio   | 82.7%                   | 73.6%                   |              |
| Present Value of Accrued Benefits   | \$ 2,705,935,238        | \$ 2,896,231,821        | 7.0%         |
| Market Value of Assets  | <u>2,763,876,655</u>    | <u>2,039,051,396</u>    | -26.2%       |
| Unfunded FASB Accrued Liability (not less than \$0)   | \$ 0                    | \$ 857,180,425          |              |
| Accrued Benefit Funding Ratio   | 102.1%                  | 70.4%                   |              |
| <b><u>Contributions as a Percentage of Payroll</u></b>  |                         |                         |              |
|   | <b>Fiscal Year 2010</b> | <b>Fiscal Year 2011</b> |              |
| <b><u>GASB Method:</u></b>  |                         |                         |              |
| Normal Cost Contribution  | 5.95%                   | 5.95%                   |              |
| Unfunded Actuarial Liability Contribution   | 7.96%                   | 12.53%                  |              |
| Administrative Expense  | <u>0.15%</u>            | <u>0.15%</u>            |              |
| Total Contribution  | 14.06%                  | 18.63%                  |              |
| <b><u>Corridor Method:</u></b>  |                         |                         |              |
| Normal Cost Contribution  | 5.95%                   | 5.95%                   |              |
| Increase Due to Amortized Changes   | 1.47%                   | 1.47%                   |              |
| Amortization of Amount Outside Corridor   | 2.14%                   | 6.65%                   |              |
| Administrative Expense  | <u>0.15%</u>            | <u>0.15%</u>            |              |
| Corridor Method   | 9.71%                   | 14.22%                  |              |

## **Summary of Actuarial Assumptions and Methods**

### **Funding Method**

The funding method used for GASB disclosure purposes is the “aggregate accrual modification of the entry age normal cost method.” Under this method, the employer contribution has three components – the normal cost, the payment toward the unfunded actuarial liability, and the expense rate.

The normal cost is a level percent of pay cost which, along with the member contributions, will pay for projected benefits at retirement for the average plan participant. The level percent developed is called the normal cost rate and the product of that rate and payroll is the normal cost.

The actuarial liability is that portion of the present value of projected benefits that will not be paid by future employer normal costs or member contributions. The difference between this liability and funds accumulated as of the same date is referred to as the unfunded actuarial liability.

The expense rate is added to cover the System’s administrative expenses.

The employer contributions are calculated using the same basic actuarial method (EAN). However, in order to produce a more level contribution rate, the System has adopted a Corridor Funding Method.

Under the Corridor Funding Method, the employer’s total contribution rate is equal to the normal cost rate, plus rate changes due to assumption changes or amendments passed since June 30, 2001 plus the expense rate as long as the System’s actuarial funded status remains within a corridor of 90% to 120%. If the funded status falls outside the corridor, a credit (if above 120%) or charge (if below 90%) will be established based on a 15-year amortization equal to the amount necessary to re-enter the corridor. Once the funded status is within the corridor, the contribution rate will return to normal cost rate, plus post-2001 changes, plus expense rate.

### **Actuarial Value of Assets**

For purposes of determining the employer contribution to the Plan, we use an actuarial value of assets. The asset adjustment method dampens the volatility in asset values that could occur because of fluctuations in market conditions. Use of an asset smoothing method is consistent with the long-term nature of the actuarial valuation process.

In determining the actuarial value of assets, we calculate an expected actuarial value based on cash flow for the year and imputed returns at the actuarial assumption. This expected value is compared to the market value and one-third of the difference is added to the preliminary actuarial value to arrive at the final actuarial value.

### **Changes Since Last Valuation**

There have been no changes since the last valuation to the Funding Method or Actuarial Value of Assets.

**Long Term Assumptions Used to Determine System Costs and Liabilities**

**Demographic Assumptions**

**Mortality**

| <b>1994 Uninsured Pensioners Mortality Table</b> |                    |                      |            |                    |                      |
|--|--------------------|----------------------|------------|--------------------|----------------------|
| <b>Annual Deaths Per 1,000 Members*</b>          |                    |                      |            |                    |                      |
| <b>Age</b>                                       | <b>Male Deaths</b> | <b>Female Deaths</b> | <b>Age</b> | <b>Male Deaths</b> | <b>Female Deaths</b> |
| 20   | 1                  | 0                    | 65         | 16                 | 9                    |
| 25   | 1                  | 0                    | 70         | 26                 | 15                   |
| 30   | 1                  | 0                    | 75         | 40                 | 24                   |
| 35   | 1                  | 1                    | 80         | 67                 | 42                   |
| 40   | 1                  | 1                    | 85         | 105                | 73                   |
| 45   | 2                  | 1                    | 90         | 164                | 125                  |
| 50   | 3                  | 2                    | 95         | 251                | 200                  |
| 55   | 5                  | 2                    | 100        | 341                | 297                  |
| 60   | 9                  | 5                    | 105        | 441                | 415                  |

\* 5% of deaths are assumed to be service-connected.

| <b>Annual Deaths per 1,000 Disabled Members</b> |             |               |
|---|-------------|---------------|
| <b>Age</b>                                      | <b>Male</b> | <b>Female</b> |
| 45  | 43          | 24            |
| 50  | 48          | 28            |
| 55  | 53          | 33            |
| 60  | 58          | 38            |
| 65  | 64          | 44            |
| 70  | 73          | 51            |
| 75  | 89          | 63            |
| 80  | 107         | 80            |

**Termination of Employment: (Prior to Normal Retirement Eligibility)**

| <b>Annual Termination Rates Per 1,000 Members – Male</b> |            |            |           |
|--|------------|------------|-----------|
| <b>Years of Employment With County</b>                   |            |            |           |
| <b>Age</b>   | <b>0-3</b> | <b>3-5</b> | <b>5+</b> |
| 20   | 283        | 174        | 80        |
| 25   | 270        | 150        | 80        |
| 30   | 210        | 122        | 65        |
| 35   | 130        | 103        | 50        |
| 40   | 125        | 89         | 35        |
| 45   | 125        | 74         | 20        |
| 50   | 125        | 59         | 20        |
| 55   | 125        | 50         | 20        |

| <b>Annual Termination Rates Per 1,000 Members – Female</b> |            |            |           |
|--|------------|------------|-----------|
| <b>Years of Employment With County</b>                     |            |            |           |
| <b>Age</b>   | <b>0-3</b> | <b>3-5</b> | <b>5+</b> |
| 20   | 333        | 150        | 150       |
| 25   | 320        | 150        | 150       |
| 30   | 260        | 150        | 150       |
| 35   | 180        | 138        | 100       |
| 40   | 175        | 125        | 50        |
| 45   | 168        | 113        | 50        |
| 50   | 160        | 100        | 50        |
| 55   | 153        | 100        | 50        |

It is assumed that members who terminated before age 45 with age plus service equal to 60 elect to receive a refund of contributions instead of vested benefits.

**Disability**

| <b>Annual Disabilities Per 10,000 Members*</b> |             |               |
|--|-------------|---------------|
| <b>Age</b>                                     | <b>Male</b> | <b>Female</b> |
| 25   | 3           | 2             |
| 30   | 3           | 2             |
| 35   | 3           | 3             |
| 40   | 6           | 4             |
| 45   | 15          | 12            |
| 50   | 28          | 22            |
| 55   | 43          | 34            |
| 60   | 53          | 43            |

\* 30% of disabilities are assumed to be service-connected. Of these, 5% are assumed to receive Social Security benefits and 31% are assumed to receive Workers' Compensation benefits.

**Retirement**

| <b>Annual Retirements Per 1,000 Eligible Members*</b><br><b>(Male and Female)</b> |              |                 |
|---|--------------|-----------------|
| <b>Age</b>  | <b>Early</b> | <b>Normal**</b> |
| 50  | 0            | 500             |
| 51  | 0            | 450             |
| 52  | 25           | 400             |
| 53  | 25           | 350             |
| 54  | 25           | 320             |
| 55  | 25           | 290             |
| 56  | 25           | 260             |
| 57  | 28           | 230             |
| 58  | 31           | 230             |
| 59  | 34           | 230             |
| 60  | 40           | 250             |
| 61  | 60           | 200             |
| 62  | 80           | 200             |
| 63  | 100          | 200             |
| 64  | 125          | 200             |
| 65  | N/A          | 250             |
| 66  | N/A          | 150             |
| 67  | N/A          | 150             |
| 68  | N/A          | 150             |
| 69  | N/A          | 150             |
| 70  | N/A          | 1,000           |

\* To further account for unused sick leave we are assuming that members can retire early on Rule of 74 (instead of Rule of 75) and normal on Rule of 79 (instead Rule of 80).

\*\* Upon reaching 1<sup>st</sup> eligibility for normal retirement we assume members retire at the above rates plus 5%.

**Merit/Seniority Salary Increase** (in addition to across-the-board increase)

| Service | Merit/Seniority Increase |
|---------|--------------------------|
| 0       | 2.50%                    |
| 5       | 1.45%                    |
| 10      | 1.20%                    |
| 15      | 0.90%                    |
| 20      | 0.40%                    |
| 25      | 0.00%                    |
| 30      | 0.00%                    |

**Family Composition**

For purposes of valuing the pre-retirement death benefit, an assumption is made that 80% of employees are married at death while active and that the female spouse is 3 years younger than the male spouse.

**Sick Leave Credit**

Active members are assumed to receive an additional 2% of service credit due to sick leave and an additional 1.8% for average final compensation.

**Economic Assumptions**

**Investment Return:** 7.5% compounded per annum.

**Rate of General Wage Increase:** 4.00% compounded per annum.

**Rate of Increase in Cost-of-Living:** 4.00% compounded per annum.  
 (Benefit increases limited to 4% per year. Post-retirement cost-of-living increases are assumed to be 3% per year.)

**Total Payroll Increase (For amortization):** 4.00% compounded per annum.

**Administrative Expenses:** 0.15% of payroll.

**Changes Since Last Valuation**

There have been no changes since the last valuation.

**Analysis of Financial Experience**

**Gain and Loss in Accrued Liability During Years Ended June 30  
Resulting from Differences Between Assumed Experience and Actual Experience  
(in thousands)**

| <b><u>Type of Activity</u></b>  | <b><u>2004</u></b>   | <b><u>2005</u></b>   | <b><u>2006</u></b>  | <b><u>2007</u></b>   | <b><u>2008</u></b>  | <b><u>2009</u></b>  |
|---|--|--|---|--|---|---|
| Investment Income Combined Liability Experience Gain (or Loss) During Year from Financial Experience Non-Recurring Items Composite Gain (or Loss) During Year | \$18,488<br>(57,139)<br>(38,651)<br>-<br><u>\$(38,651)</u> | \$52,403<br>(48,719)<br>3,684<br>(82,052)<br><u>\$(78,368)</u> | \$ 48,113<br>(66,263)<br>(18,150)<br>(4,778)<br><u>\$(22,928)</u> | \$93,322<br>(99,930)<br>(6,608)<br>(2,057)<br><u>\$(8,665)</u> | \$5,501<br>(26,428)<br>(20,927)<br>(1,446)<br><u>\$(22,373)</u> | \$(282,116)<br>(62,427)<br>(344,543)<br>-<br><u>\$(344,543)</u> |

**Schedule of Retirees and Beneficiaries  
Added-to and Removed-from Rolls**

| <b><u>Year Ended<br/>June 30</u></b> | <b><u>Added to Rolls</u></b> |                                    | <b><u>Removed From Rolls</u></b> |                                    | <b><u>On Rolls @ Yr. End</u></b> |                                    | <b><u>% Increase</u></b> | <b><u>Average</u></b>   |
|--------------------------------------|------------------------------|------------------------------------|----------------------------------|------------------------------------|----------------------------------|------------------------------------|--------------------------|-------------------------|
|                                      | <b><u>No.</u></b>            | <b><u>Annual<br/>Allowance</u></b> | <b><u>No.</u></b>                | <b><u>Annual<br/>Allowance</u></b> | <b><u>No.</u></b>                | <b><u>Annual<br/>Allowance</u></b> | <b><u>Allowance</u></b>  | <b><u>Allowance</u></b> |
| 2004                                 | 365                          | \$11,473,126                       | 136                              | \$2,478,847                        | 4,619                            | \$93,782,199                       | 10.61%                   | \$20,304                |
| 2005                                 | 410                          | 13,203,836                         | 140                              | 2,578,496                          | 4,889                            | 104,407,539                        | 11.33%                   | 21,356                  |
| 2006                                 | 365                          | 11,467,357                         | 135                              | 2,924,626                          | 5,119                            | 112,950,270                        | 8.18%                    | 22,065                  |
| 2007                                 | 398                          | 13,429,405                         | 162                              | 3,752,603                          | 5,355                            | 122,627,072                        | 8.57%                    | 22,900                  |
| 2008                                 | 388                          | 13,490,523                         | 158                              | 2,650,227                          | 5,585                            | 133,467,368                        | 8.84%                    | 23,897                  |
| 2009                                 | 533                          | 14,697,864                         | 187                              | 3,032,662                          | 5,931                            | 145,132,570                        | 8.74%                    | 24,470                  |

**Solvency Test**  
**Aggregate Accrued Liabilities For**  
 (in thousands)

| <b>Valuation<br/>Date<br/>July 1,</b> | <b>(1)</b>                             | <b>(2)</b>   | <b>(3)</b>  | <b>Reported<br/>Assets</b> | <b>Portion of Accrued<br/>Liabilities<br/>by Reported Assets</b> |            |            |
|---------------------------------------|--|--|---|----------------------------|--|------------|------------|
|                                       | <b>Active Member<br/>Contributions</b> | <b>Retirees<br/>Vested Terms,<br/>Beneficiaries &amp;<br/>DROP</b> | <b>Active Members<br/>(Employer<br/>Financed<br/>Portion)</b> |                            | <b>(1)</b>   | <b>(2)</b> | <b>(3)</b> |
| 2004                                  | \$243,581                              | \$1,046,687  | \$1,120,867   | \$2,030,539                | 100%   | 100%       | 66%        |
| 2005                                  | 260,336                                | 1,155,976  | 1,260,106   | 2,202,515                  | 100%   | 100%       | 62%        |
| 2006                                  | 259,773                                | 1,351,131  | 1,270,875   | 2,363,844                  | 100%   | 100%       | 59%        |
| 2007                                  | 285,105                                | 1,537,540  | 1,316,542   | 2,596,658                  | 100%   | 100%       | 59%        |
| 2008                                  | 298,908                                | 1,662,930  | 1,367,063   | 2,752,874                  | 100%   | 100%       | 58%        |
| 2009                                  | 312,357                                | 1,813,483  | 1,410,033   | 2,603,284                  | 100%   | 100%       | 34%        |

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**Schedule of Additions by Source**

| <b><u>Fiscal Year</u></b> | <b><u>Plan Member Contributions</u></b> | <b><u>Employer Contributions</u></b> | <b><u>Employer Contributions % of Covered Payroll</u></b> | <b><u>Net Investment Income (loss)</u></b> | <b><u>Total Additions</u></b> |
|---------------------------|---|--------------------------------------|---|--|-------------------------------|
| 2003                      | \$25,467,082                            | \$31,983,708                         | 6.00%   | \$89,440,289                               | \$146,891,079                 |
| 2004                      | 27,716,595                              | 34,418,051                           | 6.13%   | 319,741,487                                | 381,876,133                   |
| 2005                      | 27,563,754                              | 46,958,113                           | 8.08%   | 271,340,627                                | 345,862,494                   |
| 2006                      | 27,605,933                              | 49,436,463                           | 8.24%   | 204,149,213                                | 281,191,609                   |
| 2007                      | 29,805,266                              | 57,452,711                           | 9.25%   | 358,779,626                                | 446,037,603                   |
| 2008                      | 31,583,496                              | 62,636,121                           | 9.59%   | 23,018,667                                 | 117,238,284                   |
| 2009                      | 33,927,190                              | 65,110,832                           | 9.62%   | (653,558,145)                              | (554,520,123)                 |
| 2010                      | 31,733,516                              | 64,069,102                           | 9.71%   | 506,165,571                                | 601,968,189                   |

**Schedule of Deductions by Type**

| <b><u>Fiscal Year</u></b> | <b><u>Benefit Payments</u></b> | <b><u>Refunds of Contributions</u></b> | <b><u>Administrative Expenses</u></b> | <b><u>Transfers</u></b> | <b><u>Total Deductions</u></b> |
|---------------------------|--------------------------------|--|---------------------------------------|-------------------------|--------------------------------|
| 2003                      | \$79,442,355                   | \$3,425,017                            | \$845,537                             |                         | \$83,712,909                   |
| 2004                      | 89,675,104                     | 3,780,390                              | 1,019,054                             |                         | 94,474,548                     |
| 2005                      | 98,494,430                     | 6,545,800                              | 1,015,986                             |                         | 106,056,216                    |
| 2006                      | 108,735,741                    | 6,059,597                              | 1,016,292                             | \$ 11,750,084           | 127,561,714                    |
| 2007                      | 117,885,907                    | 3,935,886                              | 1,866,410                             |                         | 123,688,203                    |
| 2008                      | 130,453,013                    | 4,376,612                              | 1,832,903                             |                         | 136,662,528                    |
| 2009                      | 165,529,137                    | 3,256,153                              | 1,519,846                             |                         | 170,305,136                    |
| 2010                      | 166,271,110                    | 4,075,162                              | 1,593,223                             |                         | 171,939,495                    |

**Schedule of Benefit Payments by Type**

| <b>Fiscal Year<br/>Ended<br/>June 30</b> | <b><u>Annuity</u></b> | <b>Service-<br/>Connected<br/><u>Disability</u></b> | <b>Ordinary<br/><u>Disability</u></b> | <b><u>Survivor</u></b> | <b><u>Total</u></b> |
|--|-----------------------|---|---------------------------------------|------------------------|---------------------|
| 2003                                     | \$71,933,909          | \$2,634,434   | \$2,918,607                           | \$1,955,406            | \$79,442,356        |
| 2004                                     | 81,795,303            | 2,749,554   | 3,155,573                             | 1,974,674              | 89,675,104          |
| 2005                                     | 90,329,194            | 2,748,877   | 3,257,053                             | 2,159,306              | 98,494,430          |
| 2006                                     | 100,083,209           | 2,736,141   | 3,479,564                             | 2,436,827              | 108,735,741         |
| 2007                                     | 108,782,484           | 2,768,116   | 3,646,607                             | 2,688,700              | 117,885,907         |
| 2008                                     | 120,689,116           | 2,958,765   | 3,835,111                             | 2,970,020              | 130,453,012         |
| 2009                                     | 155,179,988           | 3,200,844   | 3,845,105                             | 3,303,200              | 165,529,137         |
| 2010                                     | 155,512,982           | 3,232,803   | 3,939,896                             | 3,585,429              | 166,271,110         |

**Schedule of Retired Members by Benefit Type**

| <b>Fiscal Year<br/>Ended<br/>June 30</b> | <b><u>Annuity</u></b> | <b>Service-<br/>Connected<br/><u>Disability</u></b> | <b>Ordinary<br/><u>Disability</u></b> | <b><u>Survivor</u></b> | <b><u>Total</u></b> |
|--|-----------------------|---|---------------------------------------|------------------------|---------------------|
| 2003                                     | 3,674                 | 172   | 364                                   | 178                    | 4,388               |
| 2004                                     | 3,888                 | 168   | 375                                   | 188                    | 4,619               |
| 2005                                     | 4,137                 | 167   | 378                                   | 207                    | 4,889               |
| 2006                                     | 4,365                 | 156   | 378                                   | 220                    | 5,119               |
| 2007                                     | 4,566                 | 167   | 386                                   | 236                    | 5,355               |
| 2008                                     | 4,791                 | 161   | 383                                   | 250                    | 5,585               |
| 2009                                     | 5,133                 | 153   | 383                                   | 262                    | 5,931               |
| 2010                                     | 5,392                 | 157   | 389                                   | 280                    | 6,218               |

**Schedule of Average Monthly Benefit Amounts**

| <b>Fiscal Year<br/>Ended<br/>June 30</b> | <b><u>Annuity</u></b> | <b>Service-<br/>Connected<br/><u>Disability</u></b> | <b>Ordinary<br/><u>Disability</u></b> | <b><u>Survivor</u></b> | <b><u>Average</u></b> |
|--|-----------------------|---|---------------------------------------|------------------------|-----------------------|
| 2003                                     | \$1,750               | \$1,326   | \$687                                 | \$886                  | \$1,610               |
| 2004                                     | 1,840                 | 1,333   | 708                                   | 915                    | 1,692                 |
| 2005                                     | 1,932                 | 1,401   | 740                                   | 939                    | 1,780                 |
| 2006                                     | 1,987                 | 1,460   | 777                                   | 998                    | 1,839                 |
| 2007                                     | 2,061                 | 1,502   | 816                                   | 1,030                  | 1,908                 |
| 2008                                     | 2,144                 | 1,619   | 845                                   | 1,070                  | 1,991                 |
| 2009                                     | 2,187                 | 1,710   | 841                                   | 1,092                  | 2,039                 |
| 2010                                     | 2,250                 | 1,708   | 872                                   | 1,193                  | 2,102                 |

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# Fairfax County Employees' Retirement System



A Fairfax County, Va.,  
publication

## Comprehensive Annual Financial Report

For the Fiscal Year ended June 30, 2010