

# ERFC 2010

## Comprehensive Annual Financial Report

For the Fiscal Year Ended June 30, 2010

The Educational Employees' Supplementary  
Retirement System of Fairfax County

A Component Unit of  
Fairfax County Public Schools  
Fairfax, Virginia



## Achievements

### CERTIFICATE OF ACHIEVEMENT FOR EXCELLENCE IN FINANCIAL REPORTING

This plaque was awarded to the ERFC for excellence in financial reporting for their presentation of the fiscal year 2009 *Comprehensive Annual Financial Report*. This is the highest form of recognition in the area of public employee retirement system accounting and financial reporting. It is a prestigious national award recognizing excellence and represents a significant achievement by the school system. The award reflects the commitment of the ERFC Board of Trustees, School Board, and ERFC staff to achieve and maintain the highest standards of financial reporting.



# 2010 ERFC

## Comprehensive Annual Financial Report

For the Fiscal Year Ended June 30, 2010

Educational Employees' Supplementary  
Retirement System of Fairfax County

A Component Unit of the  
Fairfax County Public Schools, Fairfax, Virginia

### BOARD OF TRUSTEES

**Michael Hairston**, Chairperson/Trustee  
**Leonard Bumbaca**, Vice Chairperson/Trustee  
**Susan Quinn**, Treasurer/Trustee  
**Nitin M. Chittal**, Trustee  
**Nancy Hammerer**, Trustee  
**Richard Moniuszko**, Trustee  
**Kevin North**, Trustee

### ADMINISTRATION

**Jeanne Carr**, Executive Director and CIO  
**Michael Lunter**, Finance Coordinator

### PREPARED BY

ERFC Staff  
8001 Forbes Place, Suite 300  
Springfield, VA 22151-2205

### DESIGNED BY

Fairfax County Public Schools  
Information Technology  
Multimedia Design



## Mission Statement and Principles



The mission of the Educational Employees' Supplementary Retirement System of Fairfax County (ERFC) is to enhance the financial well-being and security of its members and beneficiaries, while maintaining the stability and longevity of the fund through prudent financial stewardship of a defined benefit retirement plan. It is also to provide members with responsive, professional and personalized services, consistent with practices that ensure the promises made are soundly financed by assets administered in the interests of the plan participants.

### PHILOSOPHY

#### *Courteous Service*

To give members prompt and courteous service, and to provide complete and accurate information.

#### *Exclusive Benefit*

To act as fiduciaries entrusted with the management of plan assets and payment of retirement benefits for the exclusive benefit of members.

#### *Ethical Conduct*

To adhere to the highest standards of conduct set out in the terms of the trust, state statute, or other law.

### PRUDENT MANAGEMENT

#### *Adequate Funding*

To maintain adequate funding of all promised benefits, and to ensure the financial integrity of the System.

#### *Prudent Investments*

To adopt comprehensive objectives, methods for evaluation of performance, and policies that ensure the highest possible investment return consistent with the prudent investment of plan assets.

#### *Independence of Retirement System*

To maintain a retirement system that functions as an independent retirement trust, separate from state and local government; such independence includes the power of trustees to set actuarial assumptions, to appoint professionals such as actuaries and attorneys on whom they must rely to carry out their responsibilities, and to establish a budget for the System that ensures the delivery of high quality, cost-effective services to members.

#### *Actuarial Studies*

To have an annual actuarial valuation performed by an enrolled actuary in accordance with actuarial standards and to implement an actuarial experience study at least every five years.

#### *Annual Reports*

To keep, as part of the public record, annual financial, actuarial, and investment information that will be available for members and elected officers.

#### *Financial Audits*

To prepare an annual financial statement in accordance with generally accepted accounting principles, and to implement an annual audit of the System's financial statement in accordance with generally accepted auditing standards.

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# Achievements

## **PUBLIC PENSION STANDARDS 2010 AWARD**

This award has been presented to ERFC in recognition of instituting professional standards for public employee retirement systems as established by the Public Pension Coordinating Council. This award represents an exceptionally high level of administration and reporting in the public pension industry.



# Introduction

Letter of Transmittal

Letter from the Chairperson

Board of Trustees

Administrative Organization

Professional Services



# Letter of Transmittal



8001 Forbes Place, Suite 300  
Springfield, VA 22151

December 1, 2010

The Board of Trustees  
Educational Employees' Supplementary Retirement System of Fairfax County (ERFC)  
Springfield, VA

**Dear Chairperson and Members of the Board of Trustees:**

It is our privilege to submit the Comprehensive Annual Financial Report (CAFR) for the Educational Employees' Supplementary Retirement System of Fairfax County ("ERFC" or "System") for the fiscal year ended June 30, 2010. The ERFC management holds responsibility for the financial information presented in this report. Proper internal accounting controls exist to provide reasonable assurance for both the safekeeping of assets and the fair presentation of the financial statements. This CAFR reflects the careful stewardship of the System's assets, and dedicated service provided by the Board and staff. For financial reporting purposes, the ERFC is considered a component unit of the Fairfax County Public Schools, Fairfax County, Virginia. As such, this report is designed to comply with the reporting requirements of Sections 3-4-6(a)(8) of the Fairfax County Code and the Virginia Code. We believe this report also conforms to the Government Finance Officers Association's (GFOA) requirements.

The following provides a summary of the System's historical background, and outlines significant achievements for the Board and management during the fiscal year. A management discussion and analysis (MD&A) narrative is also provided in the Finance Section, immediately following the independent auditor's report.

**Plan History**

The ERFC was established on July 1, 1973 through negotiations conducted between the Fairfax County School Board and the Fairfax Education Association (FEA). The terms under which ERFC operates were later incorporated in a Fairfax County ordinance and the ERFC Plan Document. Historically, ERFC benefits have been designed specifically to supplement the benefits of two primary retirement plans: the Virginia Retirement System (VRS) and the federal Social Security System. In 1987, the VRS introduced major increases to the state's early retirement benefits, which required the ERFC to thoroughly re-examine the complementary structure of its supplemental benefits plan. Effective July 1, 1988, the ERFC significantly altered its Legacy Plan benefit structure in order to re-balance the benefit amounts payable to future ERFC members, while also maintaining and protecting the rights of current members. Thirteen years later, the School Board approved further refinements to the ERFC supplemental retirement program with the introduction of a second retirement plan, *ERFC 2001*—a streamlined and stand-alone retirement plan structure, provided for all eligible FCPS employees hired on or after



# Letter of Transmittal

July 1, 2001. With prudent management oversight and sustained support from the School Board, the ERFC Legacy and ERFC 2001 plans continue to provide a valuable and secure defined benefit retirement program for nearly twenty-thousand full-time educational, administrative and support employees of Fairfax County Public Schools.

## Administration and Technology Updates

Over the past two years, the ERFC has worked methodically to consolidate its multiple computer software applications into a single, fully-integrated Retirement Benefit Administration and Payroll operating system. In January 2010, ERFC successfully launched monthly pension payroll production through the PensionGold™ system—a core operational function, previously outsourced that is now managed internally by the ERFC Finance staff at a significantly lower administrative cost. The ERFC Member Services staff has also progressed on a parallel path, developing new workflow processes in concert with their ongoing schedules, to process retirements, produce benefit estimate reports, and provide individual retirement counseling services to members. With daily product testing nearing completion, the ERFC staff looks forward to introducing a variety of new online resources and web member services through the PensionGold™ system in 2011.

Earlier this spring, ERFC staff welcomed **Jim Roehner** to its administrative leadership team, as the System's new Deputy Executive Director. Roehner was named to the position vacated by Jeanne Carr late in 2009, upon her appointment as ERFC's Executive Director and CIO. Prior to joining the ERFC, Roehner worked as a special consultant for the Washington Post and the American Red Cross, coordinating data consolidation and verification projects for their respective defined benefit programs. Roehner also spent seven years with Discovery Communications, during which time he managed an enterprise system data integration project—experience that serves well with the rollout of ERFC's own new benefits and payroll administration system, PensionGold™.

## Plan Financial Condition

The ERFC regained its solid footing in Fiscal Year 2010, and the System's active management proved its worth producing positive results despite high levels of volatility in the year's market activity. The first two quarters of the fiscal year ushered in a welcome respite for investors, easing some of the turmoil still reverberating from the global market collapse of the prior year. ERFC surged ahead accordingly for the period, and achieved an 18.1 percent return for the first half of Fiscal Year 2010. The third quarter remained relatively calm, but the markets took a decidedly different turn upon entering the fourth quarter as caution and uncertainty suddenly resurfaced. This abrupt mood change in the markets drove asset prices downward during the second half of the fiscal year, and ERFC saw its return rate for the period dip to a negative .8% as a result. Ultimately however, the managers persevered to survive the roller coaster ride, and ERFC achieved a very solid 17.1 percent return for Fiscal Year 2010.

## Letter of Transmittal

ERFC's independent actuary reported that the System's funding ratio held steadily at 76.5 percent for the valuation period ending December 31, 2009—only slightly below the 76.9 percent funding ratio cited for the valuation period ending December 31, 2008. It must be noted that historic declines in the global capital markets during calendar years 2008 and 2009 precipitated last year's abrupt drop from the 88.0 percent funding ratio reported for ERFC in the valuation period ending December 31, 2007. Therefore, as noted in last year's report, we expect ERFC's funding ratio to continue to decrease over the next few years as the calendar year 2008 losses are fully recognized and absorbed over time. However, positive returns exceeding ERFC's 7.5 percent assumption rate—such as those achieved in Fiscal Year 2010—will help mitigate the period of decline.

The Financial, Actuarial, and Statistical sections of this report provide detailed information regarding the Fund's overall financial condition. In addition, the *Schedule of Funding Progress*, included in the Financial Section, presents historical data for the ERFC's funding ratio.

### Investment Activity

ERFC's 17.1 percent return rate for FY 2010 ranked the System in the 8th percentile among peer funds with at least \$1 billion in assets. The Fund's longer-term returns also retained strength, with the three, five and ten year return rates each ranked in the top quartile. Active management, which constitutes approximately 80 percent of the ERFC portfolio, demonstrated its value to the Fund, as ERFC's managers added over five percent to the System's fiscal year return. Initially, Fiscal Year 2010 introduced a period in which portfolio managers could distinguish themselves through fundamental and quantitative security analyses. Unfortunately, macro-economic activity in the final quarter of the fiscal year drove global stock markets steeply into negative territory. Such persistent fluctuations have been rattling the economic climate over the past two years, and might therefore prompt some to debate investment strategies. The ERFC trustees remain confident however, that the Plan's highly diversified portfolio and reliance on top tier investment managers will continue to allow the ERFC to meet its long-term investment objectives. The Investment Section of this report provides further details regarding the Fund's activities and performance.

ERFC implemented one minor change to the portfolio lineup in FY 2010. In November 2009, ERFC transferred the management of a Global Asset Allocation portfolio from Mellon Capital Management Corporation to the Wellington Trust Company. In recent months, the trustees have also begun implementing a 5 percent allocation to the private equity markets, which will allow ERFC to take advantage of attractive opportunities in distressed mezzanine and secondary strategies going forward.

### Professional Services

The ERFC Board of Trustees appoints professional services to provide aid in the efficient management of the System. New England Pension Consultants (NEPC),

## Letter of Transmittal

based in Cambridge, Massachusetts, provides investment consulting services, and Gabriel, Roeder, Smith & Company, of Southfield, Michigan, provides actuarial services. In accordance with county code, the Fairfax County Board of Supervisors appointed KPMG LLP, Certified Public Accountants, Washington, D.C., to audit the System's financial statements.

### Awards

The System proudly announces that the Government Finance Officers Association of the United States and Canada (GFOA) recently awarded ERFC the **Certificate of Achievement for Excellence in Financial Reporting** for its FY 2009 Comprehensive Annual Financial Report (CAFR). This is the 13th consecutive year ERFC has earned the award. The GFOA certification remains valid for a period of one year, and requires, at minimum, that each CAFR satisfy both generally accepted accounting principles and legal requirements.

The Public Pension Coordinating Council also honored the ERFC recently, granting the System the **Public Pension Standards' 2010 Award**. The ERFC earned the award in recognition for meeting or exceeding professional standards for plan design and administration, as set forth in the Public Pension Standards.

### Conclusion

This report is produced through the combined efforts of the ERFC staff and advisors functioning under your leadership. It is intended to provide complete and reliable information that will advance the management decision process, serve as a means for determining compliance with legal requirements, and allow for an assessment of the stewardship of the System's funds. We extend our sincere appreciation to all those who contributed to the production of this document.

ERFC distributes this annual report to the members of the Fairfax County School Board, the Fairfax County Public Schools' Leadership Team, its Government Finance Offices, and other interested parties. Copies are made available in print and electronically, with the full report posted on the ERFC website. We hope that all recipients find the report informative and useful.

Respectfully submitted,



**Jeanne Carr, CFA**  
Executive Director  
and CIO



**Michael Lunter**  
Finance Coordinator

## Letter from the Chairperson



8001 Forbes Place, Suite 300  
Springfield, VA 22151

December 20, 2010

Dear ERFC Members,

On behalf of the Board of Trustees of the Educational Employees' Supplementary Retirement System of Fairfax County (ERFC), it is a privilege to present the Comprehensive Annual Financial Report for fiscal year ending June 30, 2010. The ERFC Board and staff commit ourselves to maintaining the financial integrity of the fund, and adhering to best practices in all areas of customer service. As participants and stakeholders in ERFC, you can be assured that the Board of Trustees works collectively on your behalf to build, preserve, and protect the System's assets, while monitoring financial trends and striving to generate investment income to provide the supplemental retirement benefits promised to you by Fairfax County Public Schools.

In January 2010, ERFC premiered the second stage of its new, fully-integrated Retirement Benefit Administration and Payroll administration system, launching monthly pension payroll production through the PensionGold™ system. This core operational function, which was previously outsourced, is now managed internally by ERFC Finance staff at significantly lower administrative cost. The Board gratefully acknowledges the tremendous efforts and achievements of the entire ERFC staff as they continue progress through the staged transitions to this new system.

The portfolio activities outlined in this annual report, address details specific to the 2010 fiscal year period, which ended June 30th. As noted in our prior reports, we have found historically that serious market downturn periods, such as those experienced worldwide in early FY 2009, are typically followed by a strong recovery and renewed investment opportunities. True to form, the markets rebounded significantly late in FY 2009, and maintained a steady positive pattern through the third quarter of FY 2010. Although macro-economic activity drove the global markets steeply downward during the fourth quarter, ERFC survived the abrupt dip in the road and achieved a very positive 17.1% return rate for FY 2010. The Plan's FY 2010 performance ranked ERFC in the 8th percentile among peer funds with at least \$1 billion in assets. Longer-term returns also remained strong, with ERFC's three-, five- and ten-year return rates each ranked in the top quartile.

Upon press time for this report, the ERFC Portfolio has maintained a positive performance, even as the markets endured ongoing waves of volatility early in

## Letter from the Chairperson

FY 2011. However, as long-term investors, periods of marketplace uncertainty only serve to reinforce ERFC's focus on the big picture with prudent management oversight dedicated to protecting the System's assets.

ERFC's defined benefit plan provides a valuable supplement to FCPS' employee members. In periods of economic volatility, this solid benefit plan structure has become increasingly important for both retirees and active employee members planning for their futures. The ERFC was designed specifically to reward educational professionals with a pension to supplement the primary benefits they earn and receive separately from the Virginia Retirement System (VRS) and Social Security. Accordingly, FCPS partners with ERFC members by contributing to the retirement system—and the School Board remains committed to appropriately funding its teachers' retirement system. Effective July 1, 2010, the School Board increased FCPS' employer contribution rate from 3.2 percent of covered payroll to 4.04 percent for FY 2011. These combined employee and employer contributions comprise the initial platform for the ERFC. However, it is the System's investment earnings that provide the integral component necessary to fulfill the guarantee of defined member benefits. Although no one can fully forecast every turn in the marketplace, the ERFC continues to thrive by implementing prudent long-term investment strategies designed to spread pension costs over the employees' careers, while maintaining a solid fiscal balance during both strong and weak investment periods.

The ERFC Board and staff value your opinions and welcome your feedback. We encourage you to visit the website at: [www.fcps.edu/ERFC](http://www.fcps.edu/ERFC) or contact us directly with any questions regarding your pension fund or payable retirement benefits.

Yours sincerely,



**Michael Hairston**  
Chairperson  
ERFC Board of Trustees

## Board of Trustees

The Board of Trustees is the governing body of the Educational Employees' Supplementary Retirement System of Fairfax County. The ERFC Board comprises seven members: three appointed by the School Board, three elected by the System's active membership, and one trustee who is neither affiliated with, nor employed by Fairfax County, the Fairfax County School Board, nor by any union or similar organization representing teachers or other Fairfax County

employees. The initial six trustees annually select and recommend a seventh ERFC Board member, or "individual Trustee," for approval by the Fairfax County School Board. The ERFC executive committee comprises the chairperson and treasurer. The Board meets monthly throughout the year, excluding August. ERFC trustees receive no compensation, but are reimbursed for business-related expenses.



**Michael A. Hairston**  
Chairperson/Trustee  
Elected Member



**Leonard Bumbaca**  
Vice Chairperson/  
Trustee  
Elected Member



**Susan Quinn**  
Treasurer/Trustee  
Appointed Member



**Nitin M. Chittal**  
Individual Trustee  
Appointed Member



**Nancy Hammerer**  
Trustee  
Elected Member

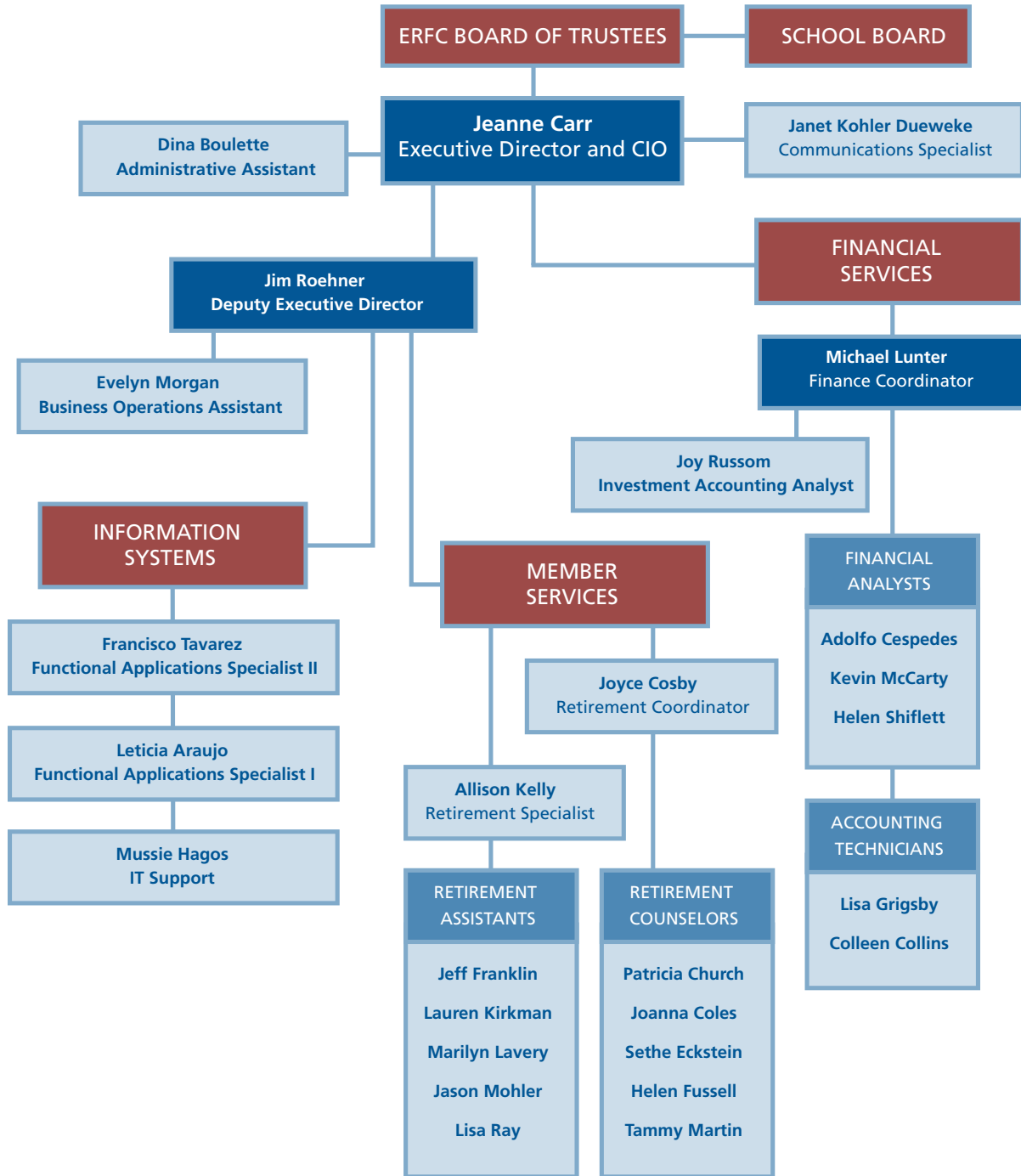


**Richard Moniuszko**  
Trustee  
Appointed Member



**Kevin North**  
Trustee  
Appointed Member

# ERFC Administrative Organization



INTRODUCTION

## Professional Services

### Investment Managers

#### DOMESTIC EQUITY

**Aronson+Johnson+Ortiz, LP**  
Philadelphia, Pennsylvania

**Epoch Investment Partners, Inc.**  
New York, New York

**Lazard Asset Management**  
New York, New York

**Mellon Capital Management Corporation**  
San Francisco, California

**Turner Investment Partners, Inc.**  
Berwyn, Pennsylvania

**Westfield Capital Management**  
Boston, Massachusetts

#### FIXED INCOME

**Loomis-Sayles & Company**  
Boston, Massachusetts

**Mellon Capital Management Corporation**  
San Francisco, California

**Pacific Investment Management Company**  
Newport Beach, California

#### GLOBAL ASSET ALLOCATION

**Bridgewater Associates, Inc.**  
Westport, Connecticut

**Wellington Management<sup>1</sup>**  
Newark, New Jersey

**Pacific Investment Management Company**  
Newport Beach, California

#### HEDGE FUND

**Grosvenor Institutional Partners, L.P.**  
Chicago, Illinois

**Permal Investment Management Services, Ltd.**  
London, England

#### INTERNATIONAL EQUITY

**Acadian Asset Management**  
Boston, Massachusetts

**AllianceBernstein**  
New York, New York

**William Blair and Company, LLC**  
Chicago, Illinois

#### REAL ESTATE

**JP Morgan Asset Management**  
New York, New York

**Prudential Investment Management**  
Parsippany, New Jersey

**Urdang Investment Management**  
Plymouth Meeting, Pennsylvania

**UBS Global Asset Management**  
Hartford, Connecticut

### Other Service Providers

#### ACTUARY

**Gabriel, Roeder, Smith & Company**  
Southfield, Michigan

#### AUDITOR

**KPMG LLP**  
Certified Public Accountants  
Washington, D.C.

#### INVESTMENT CONSULTANT

**New England Pension Consultants**  
Cambridge, Massachusetts

#### LEGAL COUNSEL

**Bredhoff & Kaiser, P.L.L.C.**  
Washington, D.C.

**Groom Law Group, Chartered**  
Washington, D.C.

#### MASTER CUSTODIAN

**BNY Mellon**  
Pittsburgh, Pennsylvania

#### TECHNOLOGY CONSULTANT

**L. R. Wechsler, LTD**  
Fairfax, Virginia

<sup>1</sup> Hired in fiscal year 2010



# Financial Section

Independent Auditors' Report  
Management Discussion and Analysis  
Statement of Plan Net Assets  
Statement of Changes in Plan Net Assets  
Notes to the Financial Statements  
Required Supplementary Information  
Notes to the Schedules of  
Required Supplementary Information  
Other Supplementary Information



# Independent Auditors' Report



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

## Independent Auditors' Report

The Board of Supervisors  
County of Fairfax, Virginia

The School Board  
Fairfax County Public Schools

The Board of Trustees  
of the Educational Employees' Supplementary  
Retirement System of Fairfax County:

We have audited the statement of plan net assets of the Educational Employees' Supplementary Retirement System of Fairfax County (the System), a pension trust fund of Fairfax County Public Schools, as of June 30, 2010, and the related statement of changes in plan net assets for the year then ended. These financial statements are the responsibility of the System's management. Our responsibility is to express an opinion on these financial statements based on our audit.

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

In our opinion, the financial statements referred to above present fairly, in all material respects, the plan net assets of the System as of June 30, 2010, and the respective changes in plan net assets for the year then ended in conformity with U.S. generally accepted accounting principles.

The Management Discussion and Analysis on pages 14 through 16, Schedule of Employer Contributions on page 28, and Schedule of Funding Progress on page 29 are not required parts of the basic financial statements, but are 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.

# Independent Auditors' Report



November 19, 2010  
Page 2 of 2

Our audit was conducted for the purpose of forming an opinion on the System's basic financial statements. The supplementary information on pages 32 through 34 is presented for the purpose of additional analysis and is not a required part of the basic financial statements. Such information has been subjected to the auditing procedures applied by us in the audit of the 2010 basic financial statements and, in our opinion, is fairly stated in all material respects in relation to the 2010 basic financial statements taken as a whole. The information included in the introduction, investment, actuarial, and statistical 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*

November 19, 2010

FINANCIAL

## Management Discussion and Analysis

This discussion and analysis of the Educational Employees' Supplementary Retirement System of Fairfax County (ERFC) financial performance provides an overview of the financial activities for the fiscal year ended June 30, 2010. The information contained in this section should be reviewed in conjunction with the letter of transmittal provided in the Introduction Section of this document.

### Financial Overview

For fiscal year 2010 the return on ERFC's assets was 17.1 percent<sup>1</sup>. This resulted in a total asset value of \$1.61 billion which reflects an increase of \$166.2 million over fiscal year 2009's year end total (as reflected in the accompanying chart). Additional detail on this net increase in fund value is outlined in the Summary of Additions and Deductions table contained within this Financial Section. As shown, it is comprised of four major components. They include \$231.6 million investment income and \$85.8 million in employee and employer contributions. The additions are offset by \$143.1 million in retiree benefit payments and \$8.0 million in member refunds and administrative expenses.

Fiscal year ending June 30, 2010 produced a return of 17.1 percent. ERFC's return exceeded the policy benchmark return of 14.1 percent<sup>2</sup>. Three, five, and ten year returns are -3.3 percent, 3.4 percent, and 4.3 percent, respectively.

The System's investments are exposed to various risks such as interest rate, market, and credit risks. Such risks, and the resulting investment security values, may be influenced by changes in economic conditions and market perceptions and expectations. Accordingly, it is reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect the amounts reported in the financial statements. Additional detail regarding investment results

### ERFC Fund Balances (\$ in millions)

| Fiscal Year | Ending Balance | Net Change |         |
|-------------|----------------|------------|---------|
|             |                | Dollars    | Percent |
| 2006        | \$ 1,766.5     | \$ 118.8   | 7.2 %   |
| 2007        | 2,015.7        | 249.2      | 14.1    |
| 2008        | 1,858.6        | (157.1)    | (7.8)   |
| 2009        | 1,441.5        | (417.1)    | (22.4)  |
| 2010        | 1,607.7        | 166.2      | 11.5    |

can be found in the Investment Section of this report.

At December 31, 2009, the actuarial value of assets totaled \$1.769 billion while liabilities totaled \$2.314 billion. This resulted in a funding ratio of 76.5 percent. ERFC's funding level is consistent with the funding levels of similar plans nationwide and as addressed in the Actuary's Certification Letter contained within this report, ERFC remains in sound financial condition. The Schedule of Funding Progress contained in this section provides additional historical information.

1 As calculated by New England Pension Consultants

2 Policy Index benchmark is 23.0% Russell 1000, 7.5% Russell 2000, 15% MSCI/ACWI Ex-US, 3.75% NAREIT, 3.75% NCREIF, 19% Barclays Aggregate Bond Index, 4.0% BC Credit, 4.0% BC Long Credit, 7.5% MS World Net, 7.5% Citi World Gov't Bond, 5% HFRI FoF

## Management Discussion and Analysis

In addition, detailed information regarding actuarial assumptions and methods can be found in the Actuarial Section of this report.

### Using this Annual Report

ERFC financial statements are comprised of the Statement of Plan Net Assets, Statement of Changes in Plan Net Assets, and Notes to the Financial Statements. Also contained in the Financial Section is other supplementary information in addition to the basic financial statements.

The Statement of Plan Net Assets provides information on all of the System's assets and liabilities, with the difference between the assets and liabilities shown as net assets. Ultimately, increases or decreases in net assets may be used to measure the financial condition of ERFC as a going-concern over time.

The Statement of Changes in Plan Net Assets describes how ERFC's net assets changed during

the current fiscal year. Additions and deductions represent revenues and expenses, respectively. Additions minus deductions represent the change in net assets. For the current fiscal year, ERFC received positive revenues from contributions and investments. Detracting from revenue were deductions, which consisted of benefit payments, refunds, and administrative costs.

The Notes to the Financial Statements provide additional data, which is crucial in understanding the information included in the financial statements. The Notes to the Financial Statements immediately follow the basic financial statements.

In addition to the basic financial statements and accompanying notes, the annual report also provides required supplementary information regarding the ERFC schedule of employer contributions and funding progress which is intended to assess ERFC's ability to accumulate assets to pay retirement benefits when due.

*MD & A, continued on next page*

### Summary of Plan Net Assets

|  | June 30, 2010           | June 30, 2009           | Difference            |
|--|-------------------------|-------------------------|-----------------------|
| <b>Assets</b>  |                         |                         |                       |
| Total cash and investments                                 | \$ 1,677,558,246        | \$ 1,488,742,769        | \$ 188,815,477        |
| Total receivables  | 65,875,861              | 63,420,401              | 2,455,460             |
| Other assets   | 74,432                  | 93,080                  | (18,648)              |
| <b>Total assets</b>  | <b>1,743,508,539</b>    | <b>1,552,256,250</b>    | <b>191,252,289</b>    |
| <b>Liabilities</b>   |                         |                         |                       |
| Accounts payable   | 1,549,101               | 1,419,793               | 129,308               |
| Securities purchased                                       | 65,117,582              | 49,896,094              | 15,221,488            |
| Securities lending collateral                              | 69,178,433              | 59,505,933              | 9,672,500             |
| <b>Total liabilities</b>                                   | <b>135,845,116</b>      | <b>110,821,820</b>      | <b>25,023,296</b>     |
| <b>Total Net assets held in trust for pension benefits</b> | <b>\$ 1,607,663,423</b> | <b>\$ 1,441,434,430</b> | <b>\$ 166,228,993</b> |

## Management Discussion and Analysis

### Financial Statements

As indicated in the Summary of Plan Net Assets, the System's net asset value increased \$166.2 million or 11.5 percent in fiscal year 2010. This total increase in net assets is due primarily to an increase of \$188.8 million in the value of investments, an increase in receivables of \$2.5 million, a \$15.2 million increase in the value of payables along with an increase of \$9.7 million in securities lending collateral liabilities.

As presented in the Summary of Additions and Deductions (below), additional information is provided regarding the differences between the fiscal year 2009 and 2010 results. These differing results are due mainly to a significant increase in

investment income of \$589.2 million offset by an increase in benefit payments of 3.5 million.

### Requests for Information

This financial information is intended to provide a general overview of the System's finances. Questions concerning any of the information presented in this report or requests for additional financial information should be addressed to either the Executive Director or the Finance Coordinator of the Educational Employees' Supplementary Retirement System of Fairfax County, 8001 Forbes Place, Suite 300, Springfield, Virginia 22151.

### Summary of Additions and Deductions

|                              | June 30, 2010         | June 30, 2009           | Difference            |
|------------------------------|-----------------------|-------------------------|-----------------------|
| <b>Additions</b>             |                       |                         |                       |
| Contributions                |                       |                         |                       |
| Employer                     | \$ 37,868,623         | \$ 40,012,480           | \$ (2,143,857)        |
| Member                       | 47,918,341            | 47,996,408              | (78,067)              |
| Net Investment Income/(Loss) | 231,574,404           | (357,672,266)           | 589,246,670           |
| Other Income/Loss            | —                     | (5,494)                 | 5,494                 |
| <b>Total</b>                 | <b>317,361,368</b>    | <b>(269,668,872)</b>    | <b>587,030,240</b>    |
| <b>Deductions</b>            |                       |                         |                       |
| Benefits                     | 143,128,569           | 139,594,144             | 3,534,425             |
| Refunds                      | 3,339,910             | 3,975,907               | (635,997)             |
| Admin. Expenses              | 4,663,896             | 3,898,620               | 765,276               |
| <b>Total</b>                 | <b>151,132,375</b>    | <b>147,468,671</b>      | <b>3,663,704</b>      |
| <b>Net Change</b>            | <b>\$ 166,228,993</b> | <b>\$ (417,137,543)</b> | <b>\$ 583,366,536</b> |

# Statement of Plan Net Assets

(As of June 30, 2010)

| <b>ASSETS</b>  |                         |
|--|-------------------------|
| Cash and short-term investments                      |                         |
| Cash   | \$ 1,356,273            |
| Cash with fiscal agent                               | 1,241,358               |
| Cash collateral for securities on loan               | 69,178,433              |
| Short-term investments                               | 64,259,915              |
| <b>Total cash and short-term investments</b>         | <b>136,035,979</b>      |
| Receivables  |                         |
| Member contributions                                 | 23,923                  |
| Interest and dividends                               | 3,261,414               |
| Securities sold                                      | 62,138,721              |
| Miscellaneous accounts receivable                    | 451,803                 |
| <b>Total receivables</b>                             | <b>65,875,861</b>       |
| Investments, at fair value                           |                         |
| U.S. Government obligations                          | 2,506,135               |
| Mortgage-backed securities                           | 2,926,721               |
| Domestic corporate bonds                             | 88,503,776              |
| Convertible bonds                                    | 2,374,447               |
| International bonds                                  | 29,996,723              |
| Common stock   | 592,851,918             |
| Real estate  | 45,403,668              |
| Preferred stock                                      | 3,494,000               |
| Global asset allocation                              | 164,349,788             |
| Better beta  | 89,324,001              |
| Hedge fund of funds                                  | 77,259,135              |
| Mutual funds   | 442,531,955             |
| <b>Total investments</b>                             | <b>1,541,522,267</b>    |
| Prepaid assets                                       |                         |
| Prepaid expenses                                     | 24,792                  |
| Other assets   |                         |
| Furniture and equipment, net                         | 49,640                  |
| <b>Total assets</b>                                  | <b>1,743,508,539</b>    |
| <b>LIABILITIES</b>                                   |                         |
| Accounts payable                                     | 1,549,101               |
| Securities purchased                                 | 65,117,582              |
| Securities lending collateral                        | 69,178,433              |
| <b>Total liabilities</b>                             | <b>135,845,116</b>      |
| <b>Net assets held in trust for pension benefits</b> | <b>\$ 1,607,663,423</b> |

See accompanying Notes to the Financial Statements

# Statement of Changes in Plan Net Assets

(for the Fiscal Year Ended June 30, 2010)

## ADDITIONS

|  |                    |
|--|--------------------|
| Contributions  |                    |
| Employer   | \$ 37,868,623      |
| Plan members   | 47,918,341         |
| <b>Total contributions</b>                           | <b>85,786,964</b>  |
| Investment income                                    |                    |
| Net appreciation in fair value of investments        | 194,987,534        |
| Interest and dividends                               | 42,588,693         |
| Real estate income                                   | 874,202            |
| Other  | 121,593            |
| <b>Total investment income</b>                       | <b>238,572,022</b> |
| Less investment expenses                             |                    |
| Investment management fees                           | 6,583,264          |
| Investment consulting fees                           | 242,992            |
| Investment custodial fees                            | 234,947            |
| Investment salaries                                  | 192,915            |
| <b>Total investment expenses</b>                     | <b>7,254,118</b>   |
| Income from securities lending activities            |                    |
| Securities lending                                   | 227,732            |
| Securities lending borrower rebates                  | 114,108            |
| Securities lending management fees                   | (85,340)           |
| <b>Net securities lending income</b>                 | <b>256,500</b>     |
| <b>Net investment income</b>                         | <b>231,574,404</b> |
| <b>Total additions</b>                               | <b>317,361,368</b> |
| <b>DEDUCTIONS</b>                                    |                    |
| Benefits   | 143,128,569        |
| Refunds  | 3,339,910          |
| Administrative expense                               | 4,663,896          |
| <b>Total deductions</b>                              | <b>151,132,375</b> |
| <b>Net increase</b>                                  | <b>166,228,993</b> |
| <b>Net assets held in trust for pension benefits</b> |                    |
| Beginning of year                                    | 1,441,434,430      |
| End of year  | \$ 1,607,663,423   |

See accompanying Notes to the Financial Statements



# Notes to the Financial Statements

## INTRODUCTION

The Educational Employees' Supplementary Retirement System of Fairfax County ("ERFC", "System") is a legally separate single-employer retirement system and fund established under Virginia code to provide pension benefits to all full-time educational and administrative support employees who are employed by the Fairfax County Public Schools (Schools) and who are not covered by another Fairfax County, Virginia (County) plan. As such, and as a fund under the financial control of the School Board, the System's financial statements are included in the Schools' basic financial statements as a pension trust fund.

The System contains two primary benefit structures, *ERFC* and *ERFC 2001*. Both are defined benefit structures. The original structure, *ERFC*, became effective July 1, 1973, and is coordinated with the benefits members expect to receive from the Virginia Retirement System (VRS) and Social Security. It remains in effect; however, it is closed to new members. Effective July 1, 2001, all new-hire full-time educational and administrative support employees are enrolled in *ERFC 2001*. This new component incorporates a streamlined stand-alone retirement benefit structure.

## 1. Summary of Significant Accounting and Other 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 contributions are recognized in the period in which the contributions are due. Employer contributions are recognized when due and the employer has made a formal commitment to provide the contributions. Benefits and refunds are recognized when due and payable in accordance with the terms of the System. The costs of administering the System are paid for by the use of investment income and employer and employee contributions.

### Investment Policy and Valuation

Short-term investments are reported at cost, which approximates fair value. All other investments are reported at fair value or estimated fair value. Securities which are traded on national or international exchanges are reported at fair value based on the last reported sales price at current exchange rates. The System records these investment purchases and sales as of the trade date but are not finalized until settlement date, which is approximately three business days for domestic securities and five to seven business days for foreign securities. Until finalized, these investment purchases and sales are recorded as payables and receivables, respectively.

The values of the commingled funds are provided to ERFC's master custodian by the managers. These commingled funds include private real estate, global asset allocation, better beta, and hedge fund of funds. The fair value of these investments is determined in different ways. For private real estate, the values of the actual property holdings are determined periodically but usually annually and subject to independent appraisal. However, since these holdings are relatively illiquid, there is not a ready market for these assets and it's possible that fair value can differ from the assessed value. For global asset allocation, better beta, and hedge funds of funds and depending on the actual contents of these separate portfolios, the assets are either reported at fair value as determined by the markets for those assets, or, if market quotes are not readily available, they are determined by the manager, subject to annual audits.

Cash received as collateral on securities lending transactions and investments with such cash are reported as assets along with the related liability for collateral received.

### Cash

ERFC maintains its 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. For the fiscal year ended

*Notes, continued on next page*

# Notes to the Financial Statements

June 30, 2010, the cash balance of \$1,356,273 represents funds that could not be invested in the County's enhanced cash fund until July 1, 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. As of June 30, 2010, cash with fiscal agent totaled \$1,241,358. This cash is insured and represents receipts from investment sales occurring on the last day of the month.

## 2. Plan Distribution and Contribution Information

### Benefit Structure Descriptions

Benefit provisions for *ERFC* and *ERFC 2001* are established and may be amended by the System's Board of Trustees subject to approval by the School Board. All members are vested for benefits after five years of service. The *ERFC* benefit formula was revised effective July 1, 1988, following changes to the Virginia Retirement System (VRS), which the *ERFC* has historically supplemented. The benefit structure is designed to supplement VRS and Social Security benefits to provide a level retirement benefit throughout retirement. *ERFC 2001* has a stand-alone structure. Member contributions for *ERFC* and *ERFC 2001* are made through an arrangement that results in a deferral of taxes on the contributions. Further details of member contributions may be found in Article III of both Benefit Structure Documents.

*ERFC* and *ERFC 2001* provide for a variety of benefit payment types. *ERFC*'s payment types include Service Retirement, Reduced Service, Disability, Death-in-Service, and Deferred Retirement. *ERFC 2001*'s payment types include Service Retirement, Death-in-Service, and Deferred Retirement. Minimum eligibility requirements for full service benefits for *ERFC* is either (a) age 65 with 5 years of service or (b) age 55 with 25 years of service. Minimum eligibility requirements for full service benefits for *ERFC 2001* is either (a) age 60 with 5 years of service or (b) any age with 30 years of service. Annual post-retirement cost-of-living increases of 3 percent are effective each March 31.

At December 31, 2009, the date of the most recent actuarial valuation, the System's membership consisted of:

|  |               |
|--|---------------|
| Retirees and beneficiaries currently receiving benefits              | 8,772         |
| Terminated employees entitled to benefits but not yet receiving them | 2,567         |
| Active plan members  | 19,891        |
| <b>Total</b>   | <b>31,230</b> |

Participants in their first full year of retirement receive a 1.49 percent increase. Participants who retire on or after January 1 receive no cost-of-living increase that first March. Additional detail regarding all benefit payment types can be found in the actuarial valuation and/or the System Document. *ERFC* also issues a publicly available financial report which includes financial statements and required supplementary information. That report may be obtained by writing to *ERFC*, 8001 Forbes Place, Suite 300, Springfield, VA 22151 or by calling 800-426-4208.

### Contributions

The contribution requirements for *ERFC* and *ERFC 2001* members are established and may be amended by the System's Board of Trustees with the approval of the School Board. The requirements are based upon a fundamental financial objective of having rates of contribution that remain relatively level from generation to generation of employees. To determine the appropriate employer contribution rates and to assess the extent to which the fundamental financial objective is being achieved, the System has actuarial valuations prepared annually.

### Funding Policy

The contribution requirements of members and the employer are established and may be amended by the *ERFC* Board of Trustees, subject to School Board approval. Members are required to contribute 4 percent of their annual salary. The employer is required to contribute at an actuarially determined rate which presently is 3.20 percent.

## Notes to the Financial Statements

The actuarial valuations as of odd numbered years are used to set the employer contribution rate for the two-year period beginning 18 months after the valuation date. As such, the December 31, 2009 valuation recommended that the contribution rate for the two-year period beginning July 1, 2011 to June 30, 2013 be increased to 4.04 and 4.34 percent respectively.

### Annual Pension Cost

ERFC's annual required contribution (ARC) for fiscal year 2010 was \$35.1 million, of which 108% was contributed, resulting in a net pension asset in the current fiscal year.

### Funded Status and Funding Progress

As of December 31, 2009, the most recent actuarial valuation date, ERFC was 76.5 percent funded. The actuarial accrued liability for benefits was \$2.3 billion and the actuarial value of assets was \$1.8 billion, resulting in an unfunded actuarial accrued liability (UAAL) of \$0.5 billion. The covered payroll (annual payroll of active employees covered by the plan) was \$1.2 billion, and the ratio of the UAAL to the covered payroll was 45.1 percent.

The Schedule of Funding Progress, presented as RSI following the Notes to the Financial Statements, presents multi-year trend information about whether the actuarial value of Plan assets are increasing or decreasing over time relative to the actuarial accrued liability for benefits.

### Actuarial Methods and Assumptions

In the December 31, 2009 actuarial valuation, the entry age actuarial cost method was used in preparing the valuation. The actuarial assumptions include a 7.5 percent investment rate of return and flat pays in 2010 and 2011, with 4.0 percent increases in 2012. There is no legal maximum requirement on the employer contribution rate. The individual entry age actuarial cost method of valuation was used for determining actuarial accrued liabilities and normal cost. The UAAL are amortized to produce contribution amounts which are a level percent of payroll contributions.

## 3. Investment Securities

### Investments

The authority to establish pension funds is set forth

in sections 51.1-800 of the Code of Virginia (Code) which provides that the County may purchase investments for pension funds (including common and preferred stocks and corporate bonds) that meet the standard of judgment and care set forth in Section 51.1-124 of the Code. The Board of Trustees makes all investment decisions which are based on information and/or recommendations provided by ERFC's investment consultant and ERFC staff.

The System does not have investments (other than U.S. government and U.S. government guaranteed obligations) in any one organization that represents 5 percent or more of net assets held in trust for pension benefits.

As permitted by the Code described above, ERFC invests in derivative instruments on a limited basis in accordance with the Board of Trustees' investment policy. Investment in derivatives allows the System to increase earnings and/or hedge against potential losses. The risks associated with derivative investments include market risk resulting from fluctuations in interest and currency rates, the credit worthiness of counter parties to any contracts entered into, and the credit worthiness of mortgages related to collateralized mortgage obligations (CMOs). Specific authorization by the Trustees is required should investment managers seek to purchase securities on margin or leverage.

During the fiscal year, consistent with standard accounting principle guidelines, the System invested in stock index future derivatives that were not reported on the financial statements as of June 30, 2010. These index futures are used to equitize temporary and transactional cash balances. The risk associated with these securities is equivalent to equity risk. At June 30, 2010 the market value of these stock index futures was \$4.3 million. Throughout the fiscal year, the exposure to off-balance sheet derivatives was insignificant and ranged from .05 percent to .31 percent of the total portfolio.

In addition, the System had indirect investments in derivatives through its ownership interest in Better Beta and Global Asset Allocation portfolios, plus with one of the Private Real Estate managers.

*Notes, continued on next page*

## Notes to the Financial Statements

These portfolios are commingled funds in which ERFC has a percentage ownership. Derivatives in these portfolios consisted of interest rate swaps which reduce the effect of interest rate fluctuations by converting floating rate financing into fixed rate loans for real estate investments. Options, which generally offer increased cost efficiency due to their great leveraging power and also due to their potential to provide higher percentage returns. Futures, because they are more liquid than over the counter derivatives, have among the lowest transaction costs available, carry minimal counterparty risk and are de facto currency hedged. FX currency forwards which are utilized for hedging non US dollar- denominated physical instruments (such as Inflation Linked Bonds) back to the base currency. Additionally, since there is no futures market for Inflation Linked Bonds, Reverse Repurchase Agreements are used to finance leveraged positions in these bonds, so that cash can be conserved for other positions. At June 30, 2010 exposure to interest rate swaps, futures and options was \$156,452, while exposure to forward currency contracts and reverse repurchase agreements was \$(596,057) and \$(9,658,712) respectively.

Regarding certain risk factors, the Governmental Accounting Standards Board Statement No. 40, *Deposit and Investment Risk Disclosures*, requires

that state and local governments report their exposure to investment risks in four categories: interest rate risk, credit risk, concentration of credit risk, and foreign currency risk.

### Interest Rate Risk

All three of ERFC's fixed income managers use the modified duration method to control interest rate risk. Regarding maturity, ERFC does not place limits on its fixed income managers. However, it does expect the average duration to be within 25 percent of the portfolio's benchmark.

### Credit Risk

The System's policy on credit quality states that the average credit quality of the portfolio must be at least AA. Up to 10 percent of the portfolio may be invested in below investment grade (that is, Moody's Baa or Standard & Poor's BBB ratings). If a security has a split rating, the lower rating will be considered in meeting the minimum quality standard.

As of June 30, 2010, the System had two active fixed income managers and one passive fixed income manager. The schedule on the following page lists the ratings of all of ERFC's fixed income investments according to Moody's Investment Services and Standard & Poor's.

*Notes, continued on page 24*

| Investment Combined Duration as of June 30, 2010 |                       |                   |
|--|-----------------------|-------------------|
| Investment Category                              | Amount                | Modified Duration |
| U.S. Treasuries                                  | \$ 83,060,963         | 8.54              |
| Agencies   | 6,610,823             | 2.97              |
| Corporate Bonds                                  | 142,972,333           | 7.45              |
| Municipals                                       | 4,611,367             | 13.45             |
| Mortgages  | 88,022,520            | 2.41              |
| Foreign bonds                                    | 53,475,220            | 4.02              |
| Convertible and preferred                        | 2,639,934             | 5.40              |
| Cash and cash equivalents                        | 50,314,892            | —                 |
| <b>Total</b>                                     | <b>\$ 431,708,052</b> | <b>5.32 *</b>     |

\* Duration in years

## Notes to the Financial Statements

### CREDIT QUALITY SUMMARY (As of June 30, 2010)

| Rating           | Category                    | Percent       | Amount                | Total                 | Percent       |
|------------------|-----------------------------|---------------|-----------------------|-----------------------|---------------|
| AAA              | Domestic bonds—corporate    | 0.8%          | \$ 3,369,183          | \$ 184,420,598        | 42.7%         |
|                  | International bonds         | 2.9%          | 12,412,496            |                       |               |
|                  | U.S. Government obligations | 18.8%         | 81,257,799            |                       |               |
|                  | Mortgage-backed securities  | 20.2%         | 87,381,120            |                       |               |
| AA               | Domestic bonds—corporate    | 1.0%          | 4,323,374             | 24,624,417            | 5.7%          |
|                  | International bonds         | 3.5%          | 15,128,052            |                       |               |
|                  | Domestic bonds—Municipal    | 1.1%          | 4,611,367             |                       |               |
|                  | Mortgage-backed securities  | 0.1%          | 561,624               |                       |               |
| A                | Mortgage backed securities  | 1.0%          | 4,429,161             | 56,055,438            | 13.0%         |
|                  | Domestic bonds—corporate    | 11.7%         | 50,473,155            |                       |               |
|                  | Convertible bonds           | 0.1%          | 180,200               |                       |               |
|                  | International bonds         | 0.2%          | 972,922               |                       |               |
| BAA              | Domestic bonds—corporate    | 1.8%          | 7,811,716             | 10,549,688            | 2.4%          |
|                  | Mortgage-backed securities  | 0.0%          | 190,579               |                       |               |
|                  | International bonds         | 0.6%          | 2,547,393             |                       |               |
| BA               | Mortgage-backed securities  | 0.0%          | 3,289                 | 3,289                 | 0.0%          |
| BBB              | Domestic bonds—corporate    | 8.8%          | 37,983,100            | 41,981,494            | 9.7%          |
|                  | Convertible bonds           | 0.0%          | 89,252                |                       |               |
|                  | International bonds         | 0.6%          | 2,732,973             |                       |               |
|                  | Mortgage-backed securities  | 0.3%          | 1,071,044             |                       |               |
|                  | Preferred stocks            | 0.0%          | 105,125               |                       |               |
| BB               | Domestic bonds—corporate    | 3.6%          | 15,640,715            | 17,394,616            | 4.0%          |
|                  | International bonds         | 0.2%          | 954,588               |                       |               |
|                  | Convertible bonds           | 0.2%          | 799,313               |                       |               |
| B                | International bonds         | 0.2%          | 933,113               | 20,134,811            | 4.7%          |
|                  | Domestic bonds—corporate    | 4.5%          | 19,201,698            |                       |               |
| Below B          | Domestic bonds—corporate    | 1.3%          | 5,518,506             | 5,678,868             | 1.3%          |
|                  | Preferred stocks            | 0.0%          | 160,362               |                       |               |
| Not Rated        | Cash and Cash equivalent    | 11.7%         | 50,314,890            | 69,344,097            | 16.1%         |
|                  | Domestic bonds -corporate   | 1.1%          | 4,437,380             |                       |               |
|                  | Convertible bonds           | 0.2%          | 950,396               |                       |               |
|                  | International bonds         | 2.9%          | 12,664,893            |                       |               |
|                  | Mortgage-backed securities  | 0.2%          | 976,538               |                       |               |
| Withdrawn Rating | Convertible bonds           | 0.1%          | 355,288               | 1,520,736             | 0.4%          |
|                  | Domestic bonds              | 0.3%          | 1,145,460             |                       |               |
|                  | Mortgage backed securities  | 0.0%          | 19,988                |                       |               |
| <b>Total</b>     |                             | <b>100.0%</b> | <b>\$ 431,708,052</b> | <b>\$ 431,708,052</b> | <b>100.0%</b> |

## Notes to the Financial Statements

### Concentration of Credit Risk

The System's policy limits the securities of any one issue to 10% at cost and 15% at market of each fixed income portfolio. The policy allows an exception for government securities and its agencies.

At June 30, 2010, and as addressed previously, the System had two active fixed income managers and one passive fixed income manager. The active manager portfolios had values of \$194.0 million and \$134.7 million. The indexed portfolio had a value of \$103.0 million. The market value of the largest issue other than the U.S. Government in the portfolios of the active managers was only 3.8 percent of that portfolio. Since the passive manager's portfolio is an index mutual fund, it is excluded from the Concentration of Credit Risk measurement.

### Deposits

At June 30, 2010, short-term investments with the custodial bank totaled \$64,259,915. These investments are collateralized with securities held by the agent in the System's name or are in a short-term investment pool.

### Securities Lending

The System's Board of Trustees' policy permits the fund to participate in a securities lending program. The securities lending program is administered by the System's custodian. Certain securities of the System are loaned to approved broker/dealers who

borrow the securities and provide collateral in the form of cash, U.S. Treasury or Government Agency Securities, letters of credit issued by approved banks, or other securities of a quality specified in the securities lending agreement. Collateral must be provided in the amount of 102 percent of market value for domestic securities and 105 percent for international securities. The System did not impose any restrictions during the period on the amount of loans the custodian made on its behalf. The custodian provides for 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 for income of the securities while on loan. The market value of collateral is monitored daily by the custodian.

Cash collateral is invested in a fund maintained by the custodian or its affiliate. Per stated custodian policy, the maximum weighted average maturity of the fund is 90 days. Investment income from the securities lending program is shared 75/25 by ERFC and the custodian, respectively. At year-end, the System had no overall credit risk exposure to borrowers because the amounts the System owed the borrowers exceeded the amounts the borrowers owed the System. However, the System could experience a loss of as much as \$875,598 due to the default of an investment vehicle that was held in the

At June 30, 2010, securities on loan for cash and non-cash collateral are as follows:

| Securities                  | Cash<br>Market Value | Cash<br>Collateral   | Non-Cash<br>Market Value | Non-Cash<br>Collateral |
|-----------------------------|----------------------|----------------------|--------------------------|------------------------|
| Cash and cash equivalents   | \$ 3,084,954         | \$ 3,150,736         | \$ —                     | \$ —                   |
| U.S. Government obligations | 2,083,673            | 2,134,911            | —                        | —                      |
| Convertible bonds           | 860,103              | 899,182              | —                        | —                      |
| Domestic corporate bonds    | 4,048,912            | 4,219,708            | 989                      | 1,024                  |
| Common stocks               | 56,578,616           | 58,773,896           | 676,035                  | 703,567                |
| <b>Total collateral</b>     | <b>\$ 66,656,258</b> | <b>\$ 69,178,433</b> | <b>\$ 677,024</b>        | <b>\$ 704,591</b>      |

## Notes to the Financial Statements

collateral pool. The actual loss will be determined at the time this investment vehicle is liquidated.

Cash received as collateral and the related liability of \$69,178,433 as of June 30, 2010, are shown on the Statement of Plan Net Assets. As of June 30, 2010, the market value of securities on loan for cash collateral was \$66,656,258. Securities received as collateral are not reported as assets since ERFC does not have the ability to pledge or sell the collateral securities absent borrower default.

### Custodial Credit Risk

Custodial credit risk is the risk that in the event of a bank failure, the system's funds will be lost. However, the System's investments and deposits are not exposed to custodial credit risk since they are insured and are held by the agent in the System's name. Other investments such as mutual funds, a short-term investment pool and a cash collateral investment pool which invests cash collateral for securities on loan, are not exposed to custodial risk

due to their non-physical form. As such, the System does not have a custodial credit risk policy.

### Foreign Currency Risk

The System's Investment Guidelines on active fixed income holdings are limited to debt instruments of U.S. entities denominated in U.S. dollars which includes U.S. denominated sovereign bonds. However, with Trustee approval, ERFC's two active fixed income managers have been granted exceptions that allow investments in non-U.S. bonds—one at a maximum of 25% and the other at 20%.

At the present time, there are no specific foreign currency guidelines for equities, however, the equity managers are all measured against specific benchmarks and are expected to adhere to the performance standard and risk guidelines identified in ERFC's Investment Policy. The chart on the following page provides a summary of ERFC's foreign currency risk.

*Notes, continued on next page*

Investments with the custodian as of June 30, 2010, included the following:

| Investment Type                        | Market Value            |
|--|-------------------------|
| U.S. Government obligations            | \$ 2,506,135            |
| Mortgage-backed securities             | 2,926,721               |
| Domestic corporate bonds               | 88,503,776              |
| Convertible bonds                      | 2,374,447               |
| International bonds                    | 29,996,723              |
| Common stock                           | 592,851,918             |
| Real Estate                            | 45,403,668              |
| Preferred stock                        | 3,494,000               |
| Global asset allocation                | 164,349,788             |
| Better beta                            | 89,324,001              |
| Hedge Funds                            | 77,259,135              |
| Mutual funds                           | 442,531,955             |
| <b>Sub-total investments</b>           | <b>\$ 1,541,522,267</b> |
| Cash collateral for securities on loan | 69,178,433              |
| <b>Total</b>                           | <b>\$ 1,610,700,700</b> |

## Notes to the Financial Statements

| Market Value of Foreign Currency Risk<br>(As of June 30, 2010) |                            |                       |                               |                     |                  |                       |
|--|----------------------------|-----------------------|-------------------------------|---------------------|------------------|-----------------------|
| Currency   | Cash & Cash<br>Equivalents | Equity                | Convertible &<br>Fixed Income | Preferred<br>Stocks | Futures          | Total<br>U.S. Dollar  |
| AUSTRALIAN DOLLAR  | \$ 1,444,452               | \$ 6,451,201          | \$ 3,017,064                  |                     |                  | \$ 10,912,717         |
| BRAZIL REAL  | 70,896                     | 968,081               | 846,551                       |                     |                  | 1,885,528             |
| BRITISH POUND STERLING   | 97,235                     | 39,110,977            | 231,811                       |                     |                  | 39,440,023            |
| CANADIAN DOLLAR  | (2,660,010)                | 8,388,232             | 5,978,624                     |                     |                  | 11,706,846            |
| CZECH KORUNA   | 4,953                      | 486,431               | —                             |                     |                  | 491,384               |
| DANISH KRONE   | 9,668                      | 2,925,678             | —                             |                     |                  | 2,935,346             |
| EURO CURRENCY UNIT   | (11,695,388)               | 52,919,776            | —                             | \$ 503,697          | \$ 24,155        | 41,752,240            |
| HONG KONG DOLLAR   | 16,629                     | 5,492,632             | —                             |                     |                  | 5,509,261             |
| HUNGARIAN FORINT   | 81                         | —                     | —                             |                     |                  | 81                    |
| INDONESIAN RUPIAN  | 14,306                     | 509,320               | —                             |                     |                  | 523,626               |
| ISRAELI SHEKEL   | 3,279                      | 1,026,502             | —                             |                     |                  | 1,029,781             |
| JAPANESE YEN   | 2,177,471                  | 38,780,860            | —                             |                     |                  | 40,958,331            |
| MALAYSIAN RINGGIT  | 34,483                     | 2,518,839             | —                             |                     |                  | 2,553,322             |
| MEXICAN NEW PESO   | 288                        | 93,141                | 2,410,047                     |                     |                  | 2,503,476             |
| NEW TAIWAN DOLLAR  | 278,912                    | 3,001,205             | —                             |                     |                  | 3,280,117             |
| NEW TURKISH LIRA   | 8,247                      | 1,762,700             | —                             |                     |                  | 1,770,947             |
| NEW ZEALAND DOLLAR   | 3,028,412                  | 23,613                | 5,925,020                     |                     |                  | 8,977,045             |
| NORWEGIAN KRONE  | 5,858,298                  | 1,177,900             | 2,233,397                     |                     |                  | 9,269,595             |
| PAKISTAN RUPEE   | —                          | 354,762               | —                             |                     |                  | 354,762               |
| PHILIPPINES PESO   | 10,556                     | 216,473               | —                             |                     |                  | 227,029               |
| POLISH ZLOTY   | 8,416                      | 887,064               | —                             |                     |                  | 895,480               |
| S AFRICAN COMM RAND  | 114                        | 257,938               | —                             |                     |                  | 258,052               |
| SINGAPORE DOLLAR   | 24,004                     | 4,514,622             | 4,083,911                     |                     |                  | 8,622,537             |
| SOUTH KOREAN WON   | 3,270                      | 6,474,057             | —                             |                     |                  | 6,477,327             |
| SWEDISH KRONA  | 3,518,764                  | 1,147,361             | —                             |                     |                  | 4,666,125             |
| SWISS FRANC  | 504,180                    | 9,701,004             | —                             |                     |                  | 10,205,184            |
| THAILAND BAHT  | 55,276                     | 1,941,550             | —                             |                     |                  | 1,996,826             |
| <b>GRAND TOTAL</b>   | <b>\$ 2,816,792</b>        | <b>\$ 191,131,919</b> | <b>\$ 24,726,425</b>          | <b>\$ 503,697</b>   | <b>\$ 24,155</b> | <b>\$ 219,202,988</b> |



## Notes to the Financial Statements

### 4. Income Taxes

The Internal Revenue Service (IRS) issued a determination letter on October 2, 2001, 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. In the opinion of the plan administrator, the System and its underlying trust have operated within the terms of the IRS regulations and are qualified under the applicable provisions of the Internal Revenue Code.

## Required Supplementary Information

Historical information is presented herein for the most recent six fiscal years as required supplementary information (RSI). 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 Employer Contributions

| Year ended<br>June 30 | Annual<br>Required<br>Contribution | Percentage<br>Contributed |
|-----------------------|------------------------------------|---------------------------|
| 2005                  | \$ 32,198,596                      | 100%                      |
| 2006                  | 34,648,918                         | 100%                      |
| 2007                  | 36,644,001                         | 100%                      |
| 2008                  | 38,334,140                         | 100%                      |
| 2009                  | 37,281,658                         | 107%                      |
| 2010                  | 35,146,816                         | 108%                      |

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. 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 in the analysis of the System's progress made in accumulating sufficient assets to pay benefits when due. Generally, the smaller the percentage, the stronger the system.

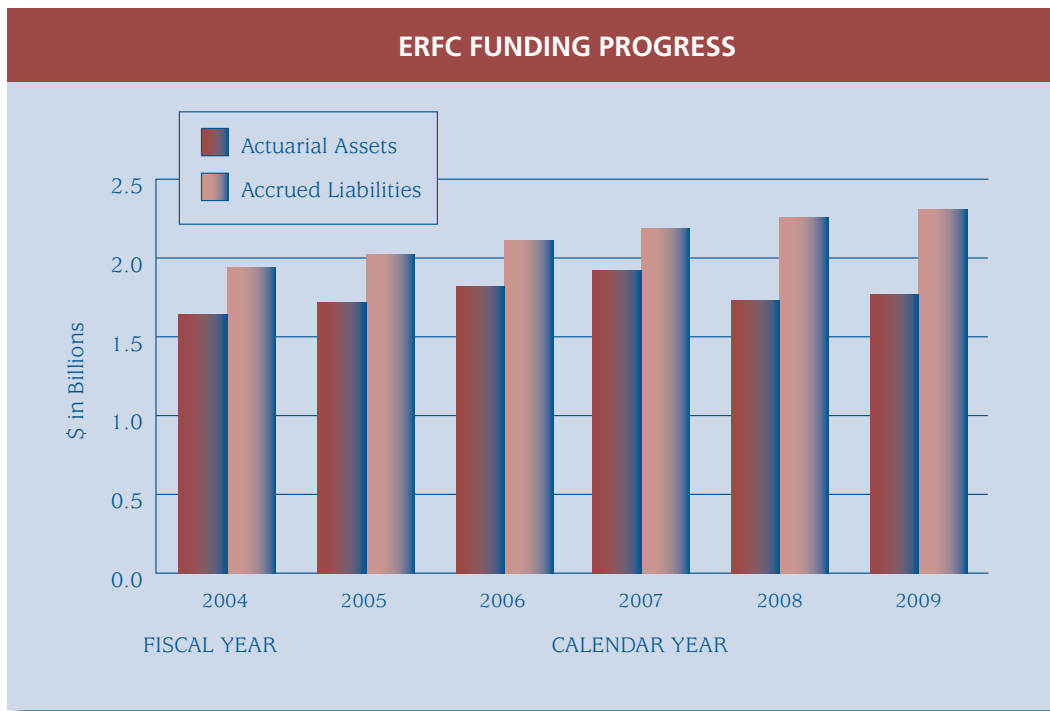
The following Schedule of Funding Progress, presented as RSI, shows multiyear trend information which illustrates whether the actuarial value of plan assets are increasing or decreasing over time relative to the actuarial accrued liability for benefits. As addressed previously and as noted on the Schedule of Funding Progress, ERFC has transitioned to calendar year valuations. The most recent valuation was effective December 31, 2009. This transition to calendar year valuation was done in order to provide a more current contribution rate which could be included in the school system's Superintendent's proposed budget and to provide more accurate information to the actuary for the annual valuation.

## Required Supplementary Information

### SCHEDULE OF FUNDING PROGRESS (\$ in thousands)

| Actuarial Valuation Date | Actuarial Value of Assets (a) | Actuarial Accrued Liability (AAL) -Entry Age (b) | [Excess of Assets] Unfunded AAL (UAAL) (b-a) | Funded Ratio (a/b) | Covered Payroll (c) | [Excess of Assets] UAAL as a Percentage of Covered Payroll ((b-a)/c) |
|--------------------------|-------------------------------|--|--|--------------------|---------------------|--|
| 12/31/04                 | \$ 1,643,020 <sup>1</sup>     | \$ 1,935,582                                     | \$ 292,562                                   | 84.89%             | \$ 977,817          | 29.92%   |
| 12/31/05                 | 1,718,399                     | 2,022,962  | 304,563                                      | 84.94%             | 1,050,217           | 29.00%   |
| 12/31/06                 | 1,818,930                     | 2,105,552  | 286,622                                      | 86.39%             | 1,111,828           | 25.78%   |
| 12/31/07                 | 1,924,886                     | 2,186,801  | 261,915                                      | 88.02%             | 1,161,432           | 22.55%   |
| 12/31/08                 | 1,733,946                     | 2,255,298  | 521,352                                      | 76.88%             | 1,211,140           | 43.05%   |
| 12/31/09                 | 1,769,540                     | 2,314,282  | 544,742                                      | 76.50%             | 1,208,093           | 45.09%   |

<sup>1</sup> At the recommendation of the ERFC's actuary and due to the fact that these values were very similar, the actuarial value of assets was reset to the market value of assets for this valuation period only.



# Notes to the Schedules of Required Supplementary Information

## SUMMARY OF ACTUARIAL METHODS AND ASSUMPTIONS

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

|  |   |
|--|---|
| Valuation date                           | December 31, 2009   |
| Actuarial cost method                    | Entry age   |
| Amortization method                      | Level percent of payroll  |
| Remaining amortization period            | 29 years  |
| Asset valuation method                   | 5-year smoothed market which recognizes asset values should be between 75% and 125% of the market value |
| Actuarial assumptions:                   |   |
| Investment rate of return                | 7.5%*   |
| Projected active member salary increases | 4.0-8.2%*   |
| Retiree cost-of-living adjustments       | 3%  |
|  | * Includes inflation at 3.75%   |

### Reserves

There are no legally required actuarial or investment reserves for the pension system nor are there any incorporated. However, there is a budgetary reserve of \$3 million. This is a budget line item that is subject to the annual review and recommendation of the Board of Trustees and approval by the School Board.

## Notes to the Schedules of Required Supplementary Information

### SUMMARY OF SIGNIFICANT CHANGES TO THE PENSION SYSTEM

The following provides a summary of the composite employer and employee contribution rates and other significant changes to the pension system during the past six fiscal years.

- July 1, 2010 — The employer contribution rate is increased from 3.2 percent to 4.04 percent.
- July 1, 2009 — The employer contribution rate is decreased from 3.37 percent to 3.2 percent.
- July 1, 2006 — The implementation of a Benefit Restoration Plan in order to make benefit payments in excess of the limits established by Section 415 of the Internal Revenue Code.
- July 1, 2004 — The employer rate increased from 2.53 to 3.37 percent of salaries.

#### Contribution Rates (as a percent of salary)

| Fiscal Year       | Composite<br>Employer | Employee | Total |
|-------------------|-----------------------|----------|-------|
| Jul 1–May 31 2004 | 4.29%                 | 2.00%    | 6.29% |
| June 2004         | 2.53                  | 4.00     | 6.53  |
| 2005              | 3.37                  | 4.00     | 7.37  |
| 2006              | 3.37                  | 4.00     | 7.37  |
| 2007              | 3.37                  | 4.00     | 7.37  |
| 2008              | 3.37                  | 4.00     | 7.37  |
| 2009              | 3.37                  | 4.00     | 7.37  |
| 2010              | 3.20                  | 4.00     | 7.20  |

- April 29, 2004 – The Board of Trustees agreed to transition to calendar year actuarial valuations.
- December 18, 2003 — Effective July 1, 2004, members hired prior to July 1, 2001 (ERFC Benefit Structure), are eligible for a Level Lifetime Benefit (LLB) that is calculated by determining the annuitized value of the greater of their accumulated contribution balance or the present value of the currently provided defined benefit. The following changes apply to members hired on or after July 1, 2001 (ERFC 2001 Benefit Structure):
  - The defined contribution component of the benefit structure that was to be offered as an option to members on July 1, 2006, was eliminated.
  - The matching contribution provisions of the benefit structure were eliminated effective July 1, 2004. Members who met the requirements for a contribution match as of June 30, 2004, had the match credited to their accounts on June 30, 2004.
  - Beginning July 1, 2004, members who retire are eligible for a minimum benefit that is calculated by determining the annuitized value of their accumulated contribution balance.
- July 24, 2003 – The Working After Retirement (WAR) program is closed to new entrants, effective June 30, 2004, which is two years earlier than originally planned.

## Other Supplementary Information

### SCHEDULE OF ADMINISTRATIVE EXPENSES

(Year Ended June 30, 2010)

|   |                     |
|---|---------------------|
| <b>Personnel services</b>               |                     |
| Salaries and wages                      | \$ 1,771,337        |
| Retirement contributions                | 270,349             |
| Insurance                               | 205,583             |
| Social security                         | 143,015             |
| <b>Total personnel services</b>         | <b>2,390,284</b>    |
| <b>Professional services</b>            |                     |
| Actuarial                               | 110,550             |
| Legal                                   | 46,260              |
| Payroll Disbursement                    | 125,800             |
| Plan Automation                         | 1,240,438           |
| Audit                                   | 44,906              |
| <b>Total professional services</b>      | <b>1,567,954</b>    |
| <b>Communications</b>                   |                     |
| Printing                                | 25,909              |
| Postage                                 | 26,461              |
| <b>Total communications</b>             | <b>52,370</b>       |
| <b>Supplies</b>                         |                     |
| Office supplies                         | 12,857              |
| Dues and subscriptions                  | 6,720               |
| <b>Total supplies</b>                   | <b>19,577</b>       |
| <b>Other services and charges</b>       |                     |
| Board travel and staff development      | 47,918              |
| Equipment                               | 191,742             |
| Building rent                           | 348,506             |
| Depreciation expense and asset disposal | 18,648              |
| Miscellaneous                           | 26,897              |
| <b>Total other services and charges</b> | <b>633,711</b>      |
| <b>Total administrative expenses</b>    | <b>\$ 4,663,896</b> |

## Other Supplementary Information

### SCHEDULE OF INVESTMENT EXPENSES

(Year Ended June 30, 2010)

#### Investment management fees

##### Fixed income managers

|                                       |            |
|---------------------------------------|------------|
| Loomis-Sayles and Company, L.P.       | \$ 402,262 |
| Mellon Capital Management Corporation | 12,963     |
| Pacific Investment Management Company | 632,446    |

##### Equity managers

|                                       |         |
|---------------------------------------|---------|
| Aronson+Johnson+Ortiz, LLC            | 185,362 |
| Dodge & Cox                           | 406     |
| Epoch Investment Partners, Inc.       | 428,281 |
| Lazard Asset Management               | 323,403 |
| Mellon Capital Management Corporation | 49,262  |
| Westfield Capital Management          | 331,974 |

##### International managers

|                                |         |
|--------------------------------|---------|
| Acadian Asset Management, Inc. | 467,441 |
| AllianceBernstein L.P.         | 532,419 |
| William Blair & Company        | 278,493 |

##### Real Estate managers

|                              |         |
|------------------------------|---------|
| J.P. Morgan Asset Management | 192,482 |
| Prudential Financial         | 152,638 |
| UBS Realty Investors, LLC    | 145,036 |
| Urdang Investment Management | 316,967 |

##### Global Asset Allocation managers

|                                       |         |
|---------------------------------------|---------|
| Mellon Capital Management Corporation | 121,682 |
| Pacific Investment Management Company | 536,391 |
| Wellington Management Company LLP     | 663,439 |

##### Better Beta

|                        |         |
|------------------------|---------|
| Bridgewater Associates | 345,712 |
|------------------------|---------|

##### Hedge fund of funds

|                                    |         |
|------------------------------------|---------|
| Grosvenor Capital Management, L.P. | 314,156 |
| Permal                             | 150,049 |

#### Total investment management fees

6,583,264

#### Other investment service fees

|                                       |           |
|---------------------------------------|-----------|
| Securities lending borrower rebates   | (114,108) |
| Securities lending management fees    | 85,340    |
| Custodial fees - Mellon Trust         | 234,947   |
| Investment consultant fees            |           |
| —New England Pension Consulting, Inc. | 242,992   |
| Investment salaries                   | 192,915   |

#### Total other investment service fees

642,086

#### Total investment expenses

\$ 7,225,350

## Other Supplementary Information

### SCHEDULE OF PROFESSIONAL SERVICE FEES

(Year Ended June 30, 2010)

| Service Provider                       | Nature of Service    |                     |
|--|----------------------|---------------------|
| Gabriel, Roeder, Smith & Company       | Actuary              | \$ 110,550          |
| Mary Ann Swanson                       | Plan automation      | 95,202              |
| Bredhoff & Kaiser, P.L.L.C.            | Legal Counsel        | 46,260              |
| Mellon Trust                           | Pension Disbursement | 125,800             |
| KPMG, LLP                              | Audit                | 44,906              |
| Levi, Ray & Shoup, Inc.                | Plan Automation      | 1,041,373           |
| L. R. Wechsler, LTD                    | Plan automation      | 103,863             |
| <b>Total professional service fees</b> |                      | <b>\$ 1,567,954</b> |



# Investment Section

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Ten Largest Equity and Fixed Income Holdings

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Investment Summary

Investment Management Fees



## Consultant Report on Investment Activity



NEPC, LLC

November 17, 2010

The Board of Trustees  
The Educational Employees' Supplementary Retirement System of Fairfax County  
8001 Forbes Place, Suite 300  
Springfield, Virginia 22151

Dear Board Members:

This letter summarizes the structure and performance of the Educational Employees' Supplementary Retirement System of Fairfax County (ERFC) Fund through the Fiscal Year Ending June 30, 2010.

As of the June 30th fiscal year-end, the Fund was in compliance with policy, and had 45.4 percent in equities, 7.2 percent in real estate equity, 26.8 percent in bonds, 4.8 percent in absolute return strategies, and 15.7 percent in global asset allocation/better beta strategies. Over the past year, the Fund has maintained public equity levels slightly higher than the median equity allocation when measured against peers in the Independent Consultants Cooperative (ICC) Universe.

The Fund earned 17.1%<sup>1</sup> in the year ending June 30, 2010, which ranked in the top 8% of public funds over \$1 billion within the ICC Universe. Over the last 12 months ending June 30, 2010, ERFC outperformed its assumed actuarial return target of 7.5% by 9.6%. Assets increased from \$1.44 billion at the end of fiscal 2009 to approximately \$1.61 billion as of June 30, 2010.

For the fiscal year ending June 2010, the equity market had a positive start, but reversed sharply amidst skepticism regarding the pace of economic recovery. The stock market rallied for the first half of the fiscal year, stayed relatively benign, and then became more volatile in the last quarter.

US Equity returns over the fiscal year were in the positive double digits, despite a sharp downturn in the quarter ended June 30th. Large cap stocks (S&P 500 up 14.4%) underperformed small cap (Russell 2000 up 21.5%) while value stocks generally fared better than growth stocks (Russell 1000 Value up 16.9% versus Russell 1000 Growth up 13.6%); (Russell 2000 Value up 25.1% versus Russell 2000 Growth up 18.0%).

Over the past year US Fixed Income returns were also in positive territory. The Barclays Aggregate Bond Index returned 9.5%, but there was a wide disparity in the performance of

<sup>1</sup> Return data for the Fund was reconciled from manager provided time-weighted returns that were calculated in accordance with the CFA Institute's Global Investment Performance Standards (GIPS).<sup>®</sup> Valuations, where available, are based on published national securities exchange prices, as provided by ERFC's custodian, BNY Mellon.

## Consultant Report on Investment Activity



many of the bond market sectors and sub-sectors. The best and worst performing sectors were high yield bonds (26.8%) and government bonds (6.5%), respectively. However, returns were positive despite the federal government suspension of the direct purchase program of mortgaged-backed bonds in March. The flight away from risky assets into safer US dollar investments led to US investment grade fixed income posting mostly positive returns in the most recent six months.

International developed market equities measured by the MSCI EAFE Index, a broad index of the international developed market equities returned 10.2% for the year ended 6/30/2010. Emerging markets equities, as measured by the MSCI Emerging Index returned 20.6%. Global bonds posted a very modest return of 3.0% over the fiscal year.

The investment manager changes in fiscal year 2010 occurred in the Global Asset Allocation (GAA) space. Wellington Opportunistic Investment was hired in the third quarter of 2009.

Fiscal Year 2010 performance is strong and above target. With the new initiatives under way, we expect ERFC will be well positioned to continue to take advantage of a wide variety of investment opportunities and be sufficiently diversified to both enhance return and mitigate overall portfolio risk.

Sincerely,

  
Kevin M. Kondry  
Consultant

# Strategic Review and Investment Policy

## Introduction

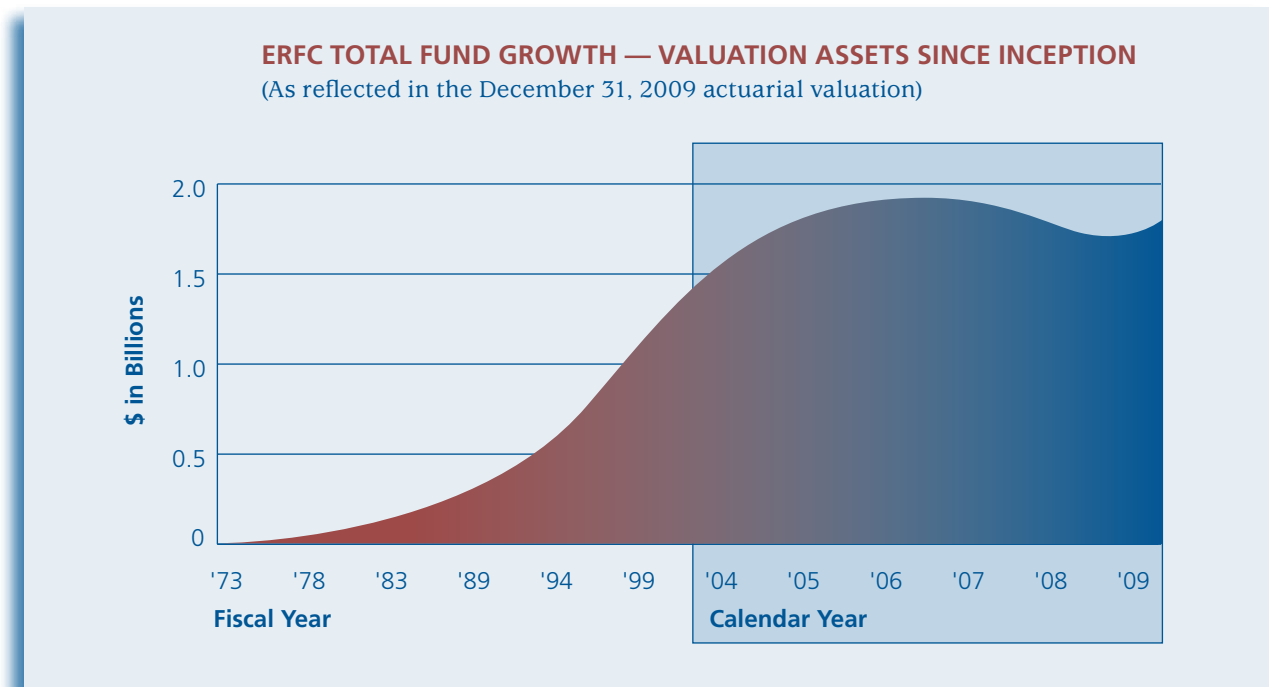
The members of the ERFC Board of Trustees have jurisdiction over and ultimate fiduciary responsibility for the investment of the System's assets. In carrying out their responsibilities, they must adhere to applicable laws, regulations, and rulings with respect to the duties of investment fiduciaries. Accordingly, they are required to "discharge their duties in the interest of plan participants" and "act with the same care, skill, prudence, and diligence under the circumstances then prevailing that a prudent person acting in a similar capacity and familiar with those matters would use in the conduct of a similar enterprise with similar aims." The Board of Trustees has established a Statement of Investment Policy that identifies a set of investment objectives, guidelines, and performance standards for the assets of the fund. The objectives are formulated in response to the following:

- the anticipated financial needs of the ERFC
- consideration of risk tolerance; and

- the need to document and communicate objectives, guidelines and standards to the investment managers.

## Investment Objectives

The investment objective of the ERFC is to ensure, over the long-term life of the fund, an adequate level of assets to fund the benefits for ERFC members and their beneficiaries at the time they are payable. The Trustees seek to achieve a high level of total investment return consistent with a prudent level of portfolio risk. Since the preservation of principle is a component of the long-term objective, it is expected that no manager will incur a negative rate of return over any rolling five-year period. The fund's actuary uses an investment return assumption of 7.5 percent, compounded annually, of which 3.75 percent constitutes an assumed rate of inflation and 3.75 percent reflects an assumed real rate of return on investments. The fund's objective is to meet or exceed the assumed real rate of return over time, while preserving the fund's principal.



## Investment Managers

### ASSETS UNDER MANAGEMENT

As of June 30, 2010 (Dollars in millions)

| Investment Manager                         | Investment Type           | Amount            |
|--|---------------------------|-------------------|
| <b>Equities</b>                            |                           |                   |
| <b>Large Capitalization</b>                |                           |                   |
| Aronson + Johnson + Ortiz                  | Value                     | \$ 104.6          |
| Mellon Capital Management Corp.            | Core Index (Russell 1000) | 167.4             |
| Turner Investment Partners                 | Growth                    | 102.4             |
| <b>Small/Mid Capitalization</b>            |                           |                   |
| Epoch Investment Partners, Inc.            | Value                     | 37.8              |
| Lazard Asset Management                    | Core                      | 44.5              |
| Westfield Capital Management               | Growth                    | 44.8              |
| <b>International</b>                       |                           |                   |
| Acadian Asset Management                   | Core                      | 74.6              |
| AllianceBernstein L.P.                     | Value                     | 73.2              |
| William Blair & Company                    | Growth                    | 82.5              |
| <b>Fixed Income</b>                        |                           |                   |
| Loomis-Sayles & Company                    | Core Plus                 | 134.7             |
| Mellon Capital Management Corp.            | Core Index                | 103.0             |
| Pacific Investment Management Co.          | Core Plus                 | 194.0             |
| <b>Global Asset Allocation/Better Beta</b> |                           |                   |
| Bridgewater Associates, Inc.               | Better Beta               | 89.3              |
| Wellington Management Co.                  | Global Asset Allocation   | 79.6              |
| Pacific Investment Management Co.          | Global Asset Allocation   | 84.7              |
| <b>Hedge fund of funds</b>                 |                           |                   |
| Grosvenor Institutional Partners, L.P.     | Hedge Fund of Funds       | 39.1              |
| Permal Group of Funds                      | Hedge Fund of Funds       | 38.2              |
| <b>Real Estate</b>                         |                           |                   |
| JP Morgan Asset Management                 | Private                   | 12.4              |
| Prudential Financial                       | Private                   | 13.2              |
| UBS Realty Investors, LLC                  | Private                   | 16.5              |
| Urdang Investment Management               | Public                    | 71.0              |
| <b>Cash (temporary cash)</b>               |                           | (0.2)             |
| <b>Total</b>                               |                           | <b>\$ 1,607.3</b> |

## Asset Structure

### Interim Strategic Target Allocation\*

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

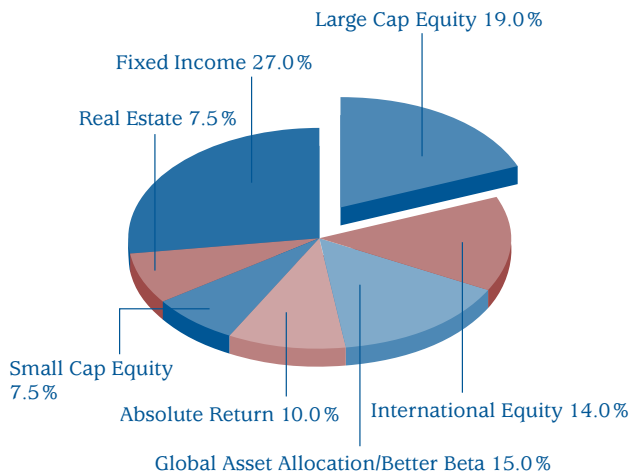
The table below provides a comparison between the target asset mix, consistent with the achievement of the long-term objective of the fund, and the actual asset allocation as of June 30, 2010.

\* These are referred to as interim targets because the approved target of 7.5% for the Absolute Return asset class is being funded incrementally.

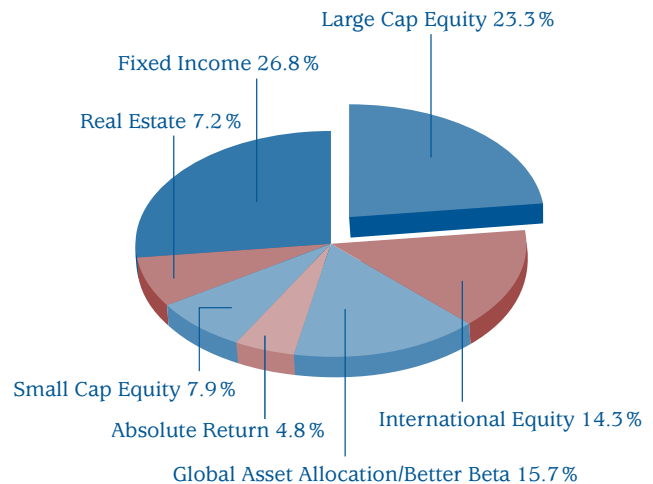
### Actual Asset Allocation as of June 30, 2010

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

#### INTERIM STRATEGIC TARGETS



#### ACTUAL ASSET ALLOCATION



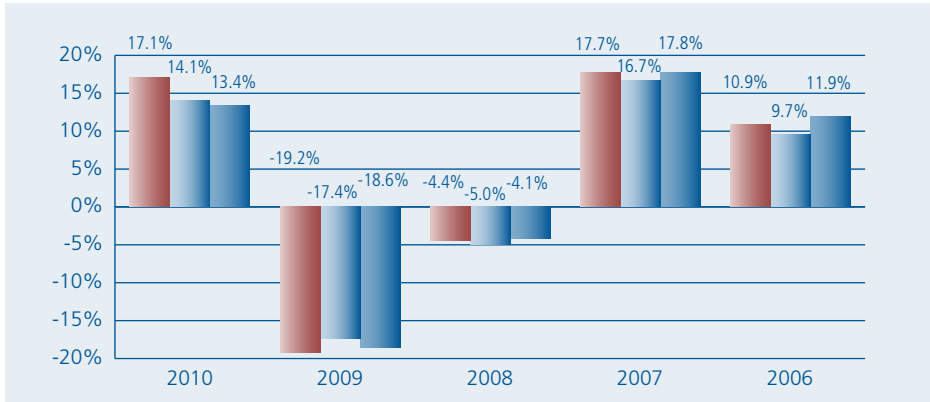
| Security Class                      | Interim Strategic Targets as of June 30, 2010 | Actual Asset Allocation as of June 30, 2010 |
|-------------------------------------|---|---|
| Domestic Large Cap Equity           | 19.0 %  | 23.3 %                                      |
| Domestic Small Cap Equity           | 7.5   | 7.9   |
| International Equity                | 14.0  | 14.3  |
| Real Estate                         | 7.5   | 7.2   |
| Fixed Income                        | 27.0  | 26.8  |
| Global Asset Allocation/Better Beta | 15.0  | 15.7  |
| Absolute Return                     | 10.0  | 4.8   |
| Cash                                | —   | —   |
| <b>Total</b>                        | <b>100.0%</b>                                 | <b>100.0%</b>                               |

# Investment Results

## Fiscal Years Ending June 30

### TOTAL FUND RETURNS

- ERFC
- Benchmark\*
- Public Funds\*\*



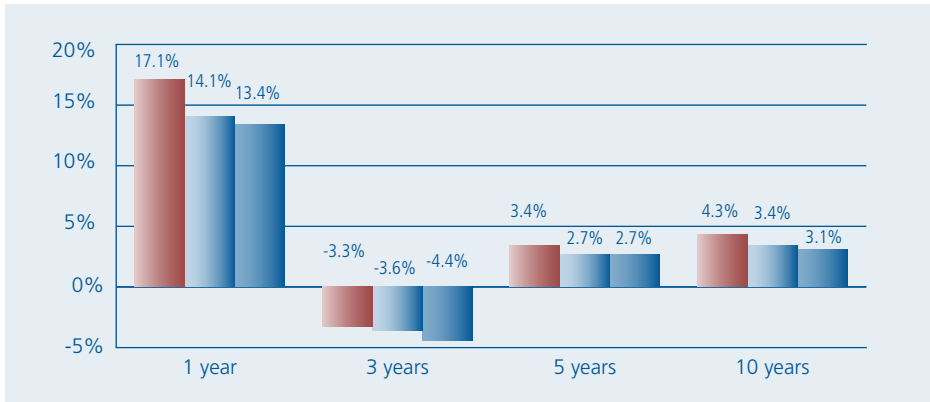
\* Diversified benchmark is 23.0% Russell 1000, 7.5% Russell 2000, 15% MSCI ACWI Ex-US, 3.75% NAREIT, 3.75% NCREIF, 19.0% Barclays Aggregate Bond Index, 4.0% BC Credit, 4.0% BC Long Credit, 7.5% MS World Net, 7.5% CitiWorld Govt Bond, 5% HFRI FoF

\*\* New England Pension Consultants Universe (Funds in excess of \$1 billion)

## For the Periods Ending June 30, 2010

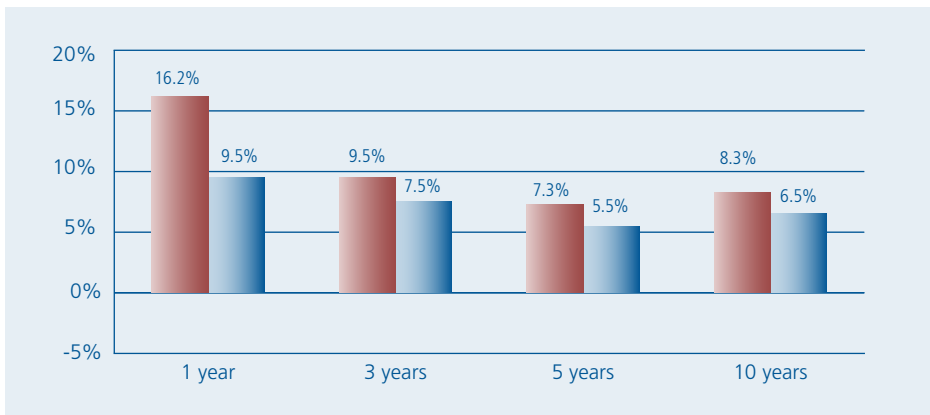
### TOTAL FUND

- ERFC
- Benchmark\*
- Public Funds\*\*



### FIXED INCOME

- Fixed Income
- Benchmark:  
Barclays  
Capital  
Aggregate Bond



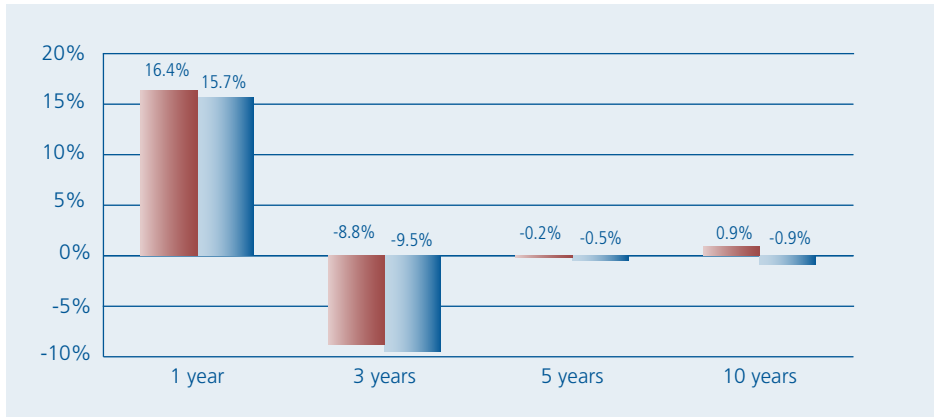
INVESTMENT

# Investment Results

(For the Periods Ending June 30, 2010)

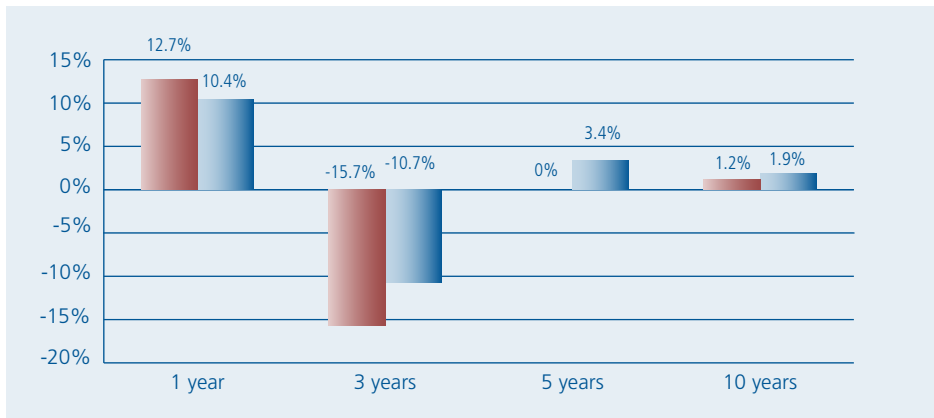
## DOMESTIC EQUITY

- Domestic Equity
- Benchmark: Russell 3000 Index



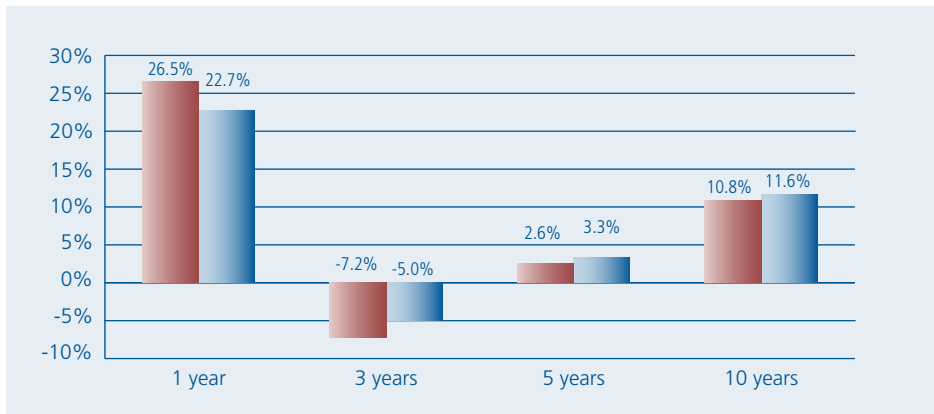
## INTERNATIONAL EQUITY

- International Equity
- Benchmark: MSCI/ACWI Ex-USA Index



## REAL ESTATE

- Real Estate
- Benchmark: 50% NAREIT 50% NCREIF



Note: All investment performance figures were calculated using a time-weighted rate of return based on market values.



## Schedules of Ten Largest Equity & Fixed Income Holdings

(As of June 30, 2010)

### TEN LARGEST EQUITY HOLDINGS\*

| No. Shares   | Description                  | Cost                 | Fair Value           | % of Total Portfolio |
|--------------|------------------------------|----------------------|----------------------|----------------------|
| 65,220.000   | SIMON PPTY GROUP INC NEW COM | \$ 3,721,160         | \$ 5,266,515         | 0.33%                |
| 56,980.000   | PUBLIC STORAGE COM           | 4,161,141            | 5,009,112            | 0.31%                |
| 19,770.000   | APPLE INC                    | 2,913,360            | 4,972,748            | 0.31%                |
| 104,800.000  | EQUITY RESIDENTIAL SH        | 3,408,863            | 4,363,872            | 0.27%                |
| 59,190.000   | VORNADO RLTY TR COM          | 4,102,548            | 4,317,911            | 0.27%                |
| 69,860.000   | PEPSICO INC/NC               | 3,947,478            | 4,257,967            | 0.26%                |
| 53,700.000   | CHEVRON CORP                 | 3,757,209            | 3,644,082            | 0.23%                |
| 165,180.000  | CISCO SYSTEMS INC            | 3,907,170            | 3,519,986            | 0.22%                |
| 128,200.000  | WELLS FARGO & CO             | 3,411,119            | 3,281,920            | 0.20%                |
| 88,400.000   | JPMORGAN CHASE & CO          | 3,593,517            | 3,236,324            | 0.20%                |
| <b>Total</b> |                              | <b>\$ 36,923,565</b> | <b>\$ 41,870,437</b> | <b>2.60%</b>         |

### TEN LARGEST FIXED INCOME HOLDINGS\*

| Par Value    | Security                      | Coupon | Maturity   | Cost                 | Fair Value           | % of Total Portfolio |
|--------------|-------------------------------|--------|------------|----------------------|----------------------|----------------------|
| 7,255,000    | INTER-AMERICAN DEVELOPMENT BK | 6.00%  | 12/15/2017 | \$ 4,980,586         | \$ 5,149,858         | 0.32%                |
| 5,500,000    | INTL BK RECON & DEVELOP       | 1.43%  | 03/05/2014 | 3,581,312            | 3,920,242            | 0.24%                |
| 2,800,000    | BMC SOFTWARE INC NT           | 7.25%  | 06/01/2018 | 2,783,368            | 3,345,692            | 0.21%                |
| 3,070,000    | GEORGIA PAC CORP DEB          | 7.75%  | 11/15/2029 | 2,713,566            | 3,100,700            | 0.19%                |
| 2,490,000    | U S TREASURY NOTE             | 1.00%  | 08/31/2011 | 2,490,106            | 2,506,135            | 0.16%                |
| 2,190,000    | GOVERNMENT OF CANADA          | 1.25%  | 12/01/2011 | 2,159,933            | 2,063,342            | 0.13%                |
| 12,205,000   | NORWAY (KINGDON OF)           | 4.25%  | 05/19/2017 | 1,841,944            | 2,040,352            | 0.13%                |
| 2,055,000    | GOVERNMENT OF CANADA          | 2.75%  | 12/01/2010 | 1,958,034            | 1,950,253            | 0.12%                |
| 2,425,000    | AMERICAN GEN FIN CORP MEDIUM  | 6.90%  | 12/15/2017 | 2,369,453            | 1,930,906            | 0.12%                |
| 1,800,000    | QUESTAR MKT RES INC NT        | 6.80%  | 04/01/2018 | 1,798,902            | 1,883,988            | 0.12%                |
| <b>Total</b> |                               |        |            | <b>\$ 26,677,203</b> | <b>\$ 27,891,468</b> | <b>1.74%</b>         |

\* A detailed list of the portfolio's equity and fixed income holdings are available upon request.

# Schedule of Brokerage Commissions

(Year Ended June 30, 2010)

| Broker Name                              | Base Volume             | Total Shares       | Base Commission     | Commission Percentage |
|--|-------------------------|--------------------|---------------------|-----------------------|
| CREDIT SUISSE, NEW YORK (CSFBUS33XXX)    | \$ 147,320,212          | 16,886,917         | \$ 87,820           | 0.06%                 |
| BNY CONVERGEX / LJR, HOUSTON             | 98,456,339              | 3,844,594          | 148,774             | 0.15%                 |
| LIQUIDNET INC, BROOKLYN                  | 86,384,984              | 3,692,425          | 77,703              | 0.09%                 |
| DEUTSCHE BK SECS INC, NY (NWSCUS33)      | 50,459,335              | 5,582,262          | 44,820              | 0.09%                 |
| INVESTMENT TECHNOLOGY GROUP, NEW YORK    | 47,423,002              | 1,535,523          | 23,684              | 0.05%                 |
| MORGAN STANLEY & CO INC, NY              | 41,827,048              | 3,560,911          | 34,668              | 0.08%                 |
| GOLDMAN SACHS & CO, NY                   | 41,013,328              | 5,066,412          | 38,333              | 0.09%                 |
| UBS SECURITIES LLC, STAMFORD             | 38,980,365              | 1,696,309          | 46,432              | 0.12%                 |
| SG AMERICAS SECURITIES LLC, NEW YORK     | 37,244,358              | 1,168,527          | 11,787              | 0.03%                 |
| BROADCOURT CAP CORP/SUB OF MLPF&S, NY    | 29,690,936              | 1,593,037          | 64,199              | 0.22%                 |
| BARCLAYS CAPITAL LE, JERSEY CITY         | 23,724,433              | 1,036,131          | 32,603              | 0.14%                 |
| MERRILL LYNCH PIERCE FENNER SMITH INC NY | 20,711,384              | 954,654            | 25,417              | 0.12%                 |
| MERRILL LYNCH INTL LONDON EQUITIES       | 20,496,478              | 1,456,819          | 20,023              | 0.10%                 |
| CITIGROUP GBL MKTS INC, NEW YORK         | 19,293,617              | 999,875            | 34,923              | 0.18%                 |
| INSTINET EUROPE LIMITED, LONDON          | 17,894,332              | 947,847            | 23,905              | 0.13%                 |
| UBS EQUITIES, LONDON                     | 17,755,433              | 1,580,601          | 13,479              | 0.08%                 |
| PULSE TRADING LLC, BOSTON                | 14,584,882              | 512,897            | 9,686               | 0.07%                 |
| ABN AMRO BANK NV, LONDON                 | 14,472,432              | 8,317,055          | 8,149               | 0.06%                 |
| GOLDMAN SACHS INTL, LONDON (GSILGB2X)    | 13,563,778              | 1,380,495          | 10,007              | 0.07%                 |
| JEFFERIES & CO INC, NEW YORK             | 12,656,357              | 534,612            | 18,655              | 0.15%                 |
| CITIGROUP GBL MKTS/SALOMON, NEW YORK     | 11,908,727              | 4,473,181          | 8,769               | 0.07%                 |
| J P MORGAN SECURITIES INC, BROOKLYN      | 11,589,081              | 483,934            | 18,222              | 0.16%                 |
| CREDIT SUISSE (EUROPE), LONDON           | 11,271,265              | 822,813            | 12,429              | 0.11%                 |
| J.P. MORGAN CLEARING CORP, NEW YORK      | 9,442,813               | 1,546,085          | 6,434               | 0.07%                 |
| MERRILL LYNCH PIERCE FENNER, WILMINGTON  | 9,166,143               | 2,930,279          | 7,385               | 0.08%                 |
| UBS WARBURG ASIA LTD, HONG KONG          | 9,123,459               | 2,753,273          | 6,648               | 0.07%                 |
| RAYMOND JAMES & ASSOC INC, ST PETERSBURG | 8,900,223               | 358,070            | 15,104              | 0.17%                 |
| KNIGHT SEC BROADCORT, JERSEY CITY        | 8,385,486               | 483,794            | 18,334              | 0.22%                 |
| STIFEL NICOLAUS                          | 8,336,850               | 525,517            | 20,075              | 0.24%                 |
| CITATION GROUP/BCC CLRG, NEW YORK        | 8,065,600               | 393,360            | 4,934               | 0.06%                 |
| NOMURA SECS INTL INC, NEW YORK           | 7,869,867               | 936,486            | 6,516               | 0.08%                 |
| INSTINET CORP, NY                        | 7,797,190               | 335,734            | 7,685               | 0.10%                 |
| J P MORGAN SECS LTD, LONDON              | 7,477,527               | 478,064            | 8,602               | 0.12%                 |
| WELLS FARGO SECURITIES LLC, CHARLOTTE    | 7,082,018               | 470,430            | 16,598              | 0.23%                 |
| PIPELINE TRADING SYSTEMS LLC, NEW YORK   | 6,527,294               | 216,810            | 4,336               | 0.07%                 |
| NOMURA SECS INTL, LONDON                 | 6,285,121               | 630,692            | 5,998               | 0.10%                 |
| ITG (EUROPE) LTD, DUBLIN                 | 5,567,244               | 569,495            | 2,783               | 0.05%                 |
| PERSHING LLC, JERSEY CITY                | 5,414,925               | 583,566            | 3,495               | 0.06%                 |
| CITIGROUP GLOBAL MARKETS LTD, LONDON     | 5,398,234               | 327,569            | 5,160               | 0.10%                 |
| RBC CAPITAL MARKETS CORP, MINNEAPOLIS    | 5,036,851               | 301,850            | 12,635              | 0.25%                 |
| Other Brokers                            | 203,324,204             | 24,098,597         | 247,753             | 0.12%                 |
| <b>TOTAL</b>                             | <b>\$ 1,157,923,155</b> | <b>106,067,502</b> | <b>\$ 1,214,962</b> | <b>0.10%</b>          |

## Investment Summary

|                                    | As of June 30, 2009     |                | As of June 30, 2010     |                |
|------------------------------------|-------------------------|----------------|-------------------------|----------------|
|                                    | Market Value            | % Market Value | Market Value            | % Market Value |
| <b>Fixed Income</b>                |                         |                |                         |                |
| U.S. Government obligations        | \$ —                    | 0.0%           | \$ 2,506,135            | 0.2%           |
| Mortgage-backed securities         | 2,823,441               | 0.2%           | 2,926,721               | 0.2%           |
| Domestic corporate bonds           | 91,464,447              | 6.4%           | 88,503,776              | 5.5%           |
| Convertible bonds                  | 523,532                 | 0.0%           | 2,374,447               | 0.1%           |
| International bonds                | 35,143,080              | 2.5%           | 29,996,723              | 1.9%           |
| Preferred stocks                   | 2,141,515               | 0.2%           | 3,494,000               | 0.2%           |
| Index / Commingled fund            | 259,582,578             | 18.2%          | 255,166,910             | 15.9%          |
| Total fixed income                 | 391,678,593             | 27.4%          | 384,968,712             | 24.0%          |
| <b>Domestic Equities:</b>          |                         |                |                         |                |
| Basic industry                     | 10,576,651              | 0.7%           | 12,662,006              | 0.8%           |
| Consumer and services              | 137,596,194             | 9.6%           | 175,918,718             | 11.0%          |
| Financial and utility              | 51,612,265              | 3.6%           | 51,380,866              | 3.2%           |
| Technological                      | 51,353,915              | 3.6%           | 62,042,646              | 3.9%           |
| Index / Commingled fund            | 192,204,327             | 13.5%          | 165,366,431             | 10.3%          |
| Total domestic stock               | 443,343,352             | 31.1%          | 467,370,667             | 29.2%          |
| <b>International Equity</b>        |                         |                |                         |                |
| Basic industry                     | 17,905,392              | 1.3%           | 25,100,179              | 1.5%           |
| Consumer and services              | 108,172,021             | 7.6%           | 121,265,612             | 7.5%           |
| Financial and utility              | 57,631,888              | 4.0%           | 50,991,586              | 3.2%           |
| Technological                      | 17,602,395              | 1.2%           | 20,686,249              | 1.3%           |
| Index / Commingled fund            | 22,930,225              | 1.6%           | 21,998,614              | 1.4%           |
| Total international stock          | 224,241,921             | 15.7%          | 240,042,240             | 14.9%          |
| <b>Real Estate</b>                 |                         |                |                         |                |
| Public                             | 45,083,537              | 3.2%           | 72,804,056              | 4.5%           |
| Private Real Estate                | 51,843,546              | 3.6%           | 45,403,668              | 2.8%           |
| Total real estate                  | 96,927,083              | 6.8%           | 118,207,724             | 7.3%           |
| <b>Alternative investments</b>     |                         |                |                         |                |
| Better beta                        | 74,679,656              | 5.2%           | 89,324,001              | 5.6%           |
| Global asset allocation            | 136,329,577             | 9.6%           | 164,349,788             | 10.2%          |
| Hedge fund of funds                | 43,715,548              | 3.1%           | 77,259,135              | 4.8%           |
| Total alternative investments      | 254,724,781             | 17.8%          | 330,932,924             | 20.6%          |
| Subtotal investments at fair value | 1,410,915,730           | 98.9%          | 1,541,522,267           | 96.0%          |
| <b>Short-term Investments</b>      |                         |                |                         |                |
| Money Market                       | 16,300,070              | 1.1%           | 64,259,915              | 4.0%           |
| Commercial paper                   | —                       | 0.0%           | —                       | 0.0%           |
| Total short-term investments       | 16,300,070              | 1.1%           | 64,259,915              | 4.0%           |
| <b>Total</b>                       | <b>\$ 1,427,215,800</b> | <b>100.0%</b>  | <b>\$ 1,605,782,182</b> | <b>100.0%</b>  |

Note: This summary is comprised of investments at fair value and short-term investments.

## Schedule of Investment Management Fees

(Year Ended June 30, 2010)

| Investment Category      | Assets Under Management | Fees                |
|--------------------------|-------------------------|---------------------|
| Better Beta              | \$ 89,324,001           | \$ 345,712          |
| Domestic equity managers | 501,533,306             | 1,318,688           |
| Fixed income managers    | 431,708,051             | 1,047,671           |
| Global asset allocation  | 164,349,788             | 1,321,512           |
| Hedge fund of funds      | 77,259,135              | 464,205             |
| International managers   | 230,305,091             | 1,278,353           |
| Real estate managers     | 113,039,925             | 807,123             |
| <b>Total</b>             | <b>\$ 1,607,519,297</b> | <b>\$ 6,583,264</b> |

Note: Excludes temporary cash

# Actuarial Section

Actuary's Certification Letter

Summary of Actuarial Assumptions  
and Methods

Summary of Member Data

Short-Term Solvency Test

Analysis of Financial Experience

Summary of Benefit Provisions

Contribution Rates

Summary of Plan Changes



# Actuary's Certification Letter



**Gabriel Roeder Smith & Company**  
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November 10, 2010

Board of Trustees  
Educational Employees' Supplementary  
Retirement System of Fairfax County (ERFC)  
8001 Forbes Place, Suite 300  
Springfield, Virginia 22151

Dear Board Members:

The basic financial objective of ERFC is to establish and receive contributions which,

- when expressed in terms of percents of active member payroll will remain approximately level from generation to generation, and
- when combined with present assets and future investment return will be sufficient to meet the financial obligations of ERFC to present and future retirees and beneficiaries.

The financial objective is addressed within the annual actuarial valuation. The valuation process develops contribution rates that are sufficient to fund the plan's current cost (i.e., the costs assigned by the valuation method to the year of service about to be rendered) as well as to fund unfunded actuarial accrued liabilities as a level percent of active member payroll over a finite period. The most recent valuation was completed based upon population data, asset data, and plan provisions as of December 31, 2009.

The plan's administrative staff provides the actuary with data for the actuarial valuation. The actuary relies on the data after reviewing it for internal and year-to-year consistency. The actuary summarizes and tabulates population data in order to analyze longer term trends. The plan's external auditor also audits the actuarial data annually.

The actuary prepared the following supporting schedules for the Comprehensive Annual Financial Report.

#### Actuarial Section

- Summary of Actuarial Assumptions and Methods
- Sample Pay Increase Assumptions for an Individual Member
- Probabilities of Retirement for Members Eligible to Retire
- Single Life Retirement Values
- Sample Rates of Separation from Active Employment before Retirement
- Rates of Forfeiture Following Vested Separation

## Actuary's Certification Letter

Board of Trustees  
November 10, 2010  
Page 2

Summary of Member Data Included in Valuation as of December 31, 2009  
Active Members by Years of Service on December 31, 2009  
All Active Members in Valuation on December 31, 2009 by Attained Age and Years of Service  
Summary of Member Data  
Short-Term Solvency Test  
Analysis of Financial Experience Gains and Losses by Risk Area

### Financial Section

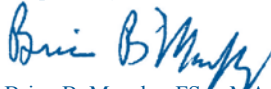
Schedule of Funding Progress  
Schedule of Employer Contributions  
Summary of Actuarial Methods and Assumptions

Assets are valued on a market-related basis that recognizes each year's difference between actual and assumed investment return over a closed five-year period, subject to a 75% to 125% corridor on market value.

Actuarial valuations are based upon assumptions regarding future activity in specific risk areas including the rates of investment return and payroll growth, eligibility for the various classes of benefits, and longevity among retired lives. These assumptions are adopted by the Board after considering the advice of the actuary and other professionals. The assumptions comply with the requirements of Statement No. 25 of the Governmental Accounting Standards Board. Each actuarial valuation takes into account all prior differences between actual and assumed experience in each risk area and adjusts the contribution rates as needed. The December 31, 2009 valuation was based upon assumptions that were recommended in connection with a study of experience during the period from July 1, 1999 to June 30, 2004.

**Based upon the results of the December 31, 2009 valuation, we are pleased to report to the Board that the Educational Employees' Supplementary Retirement System of Fairfax County (ERFC) is meeting its basic financial objective and continues to operate in accordance with actuarial principles of level percent of payroll financing.**

Respectfully submitted,



Brian B. Murphy, FSA, MAAA, EA



Judith A. Kermans, MAAA, EA

BBM:JAK:clh

Gabriel Roeder Smith & Company

ACTUARIAL

## Summary of Actuarial Assumptions and Methods

The actuarial assumptions and methods used in making the annual actuarial valuation are summarized in this section. They were established and used initially for the December 31, 2004 actuarial valuation, based upon a study of experience during the period July 1, 1999, to June 30, 2004.

### Economic Assumptions

The **investment return rate** used in making the valuation was 7.5 percent per year, compounded annually (net after administrative expenses). The real rate of return is the portion of total investment return, which is more than the wage inflation rate. Based upon an assumed wage inflation rate of 3.75 percent, the 7.5 percent investment return rate translates to an **assumed real rate of return over wages of 3.75 percent**.

**Pay increase assumptions** for individual active members are shown for sample ages on Table A. Part of the assumption for each age is for merit and/or seniority increase, and the other 3.75 percent recognizes wage inflation.

The **number of active members** is assumed to continue at the present number.

**Total active member payroll** is assumed to increase 3.75 percent annually, which is the portion of the individual pay increase assumptions attributable to wage inflation. This assumed increase is recognized in the funding of unfunded actuarial accrued liabilities.

### Non-Economic Assumptions

The **probabilities of retirement** for members eligible to retire are shown on Table C.

The **mortality table** used to measure active and retired life mortality was the 1994 Group Annuity Mortality Table set back 2 years for males and 1 year for females. Related values are shown on Table D.

The **probabilities of withdrawal** from service, death-in-service, and disability are shown for sample ages on Table B.

The **individual entry age actuarial cost method of valuation** was used for determining actuarial accrued liabilities and normal cost.

Actuarial gains and losses reduce or increase the unfunded liability. The unfunded actuarial accrued liabilities are amortized to produce contribution amounts (principal and interest) which are level percent of payroll contributions.

**Present assets (cash and investments)** are valued on a market-related basis *effective June 30, 1986*. A one time adjustment toward market was made in connection with the 1990–93 experience study and an additional one-time adjustment set the funding value equal to the market value as of December 31, 2004. Further, an 85–115% market value corridor was added in the December 31, 2005 valuation. Additionally, the market value corridor on assets was changed from 75% to 125% in the December 31, 2008 valuation.

The data about persons now covered and about present assets was furnished by the System's administrative staff. Although examined for general reasonableness, the data was not audited by the actuary.

The actuarial valuation computations were made by or under the supervision of a Member of the American Academy of Actuaries (MAAA).



## Summary of Actuarial Assumptions and Methods

**TABLE A: Sample Pay Increase Assumptions for an Individual Member**

| Sample Ages | PAY INCREASE ASSUMPTION |                |                    |
|-------------|-------------------------|----------------|--------------------|
|             | Merit & Seniority       | Base (Economy) | Increase Next Year |
| 20          | 4.45 %                  | 3.75 %         | 8.2 %              |
| 25          | 3.25                    | 3.75           | 7.0                |
| 30          | 2.75                    | 3.75           | 6.5                |
| 35          | 2.35                    | 3.75           | 6.1                |
| 40          | 2.05                    | 3.75           | 5.8                |
| 45          | 1.55                    | 3.75           | 5.3                |
| 50          | 1.15                    | 3.75           | 4.9                |
| 55          | 0.75                    | 3.75           | 4.5                |
| 60          | 0.35                    | 3.75           | 4.1                |
| 65          | 0.25                    | 3.75           | 4.0                |

**TABLE B: Sample Rates of Separation from Active Employment Before Retirement**

| Sample Ages |          | Years of Service |       | PERCENT OF ACTIVE MEMBERS SEPARATING WITHIN NEXT YEAR |       |       |       |            |       |       |       |       |       |
|-------------|----------|------------------|-------|---|-------|-------|-------|------------|-------|-------|-------|-------|-------|
|             |          |                  |       | DEATH   |       |       |       | DISABILITY |       |       |       | OTHER |       |
|             |          |                  |       | Ordinary  |       | Duty  |       | Ordinary   |       | Duty  |       |       |       |
|             |          |                  |       | Men   | Women | Men   | Women | Men        | Women | Men   | Women | Men   | Women |
| 25          | 3 & over | 0.04%            | 0.02% | 0.01%   | 0.00% | 0.06% | 0.03% | 0.01%      | 0.01% | 12.00 | 15.80 |       |       |
| 30          |          | 0.06             | 0.02  | 0.01  | 0.00  | 0.06  | 0.05  | 0.02       | 0.01  | 8.50  | 12.00 |       |       |
| 35          |          | 0.06             | 0.03  | 0.01  | 0.00  | 0.09  | 0.09  | 0.02       | 0.02  | 5.75  | 8.20  |       |       |
| 40          |          | 0.07             | 0.05  | 0.01  | 0.01  | 0.14  | 0.12  | 0.03       | 0.03  | 4.30  | 5.00  |       |       |
| 45          |          | 0.10             | 0.07  | 0.01  | 0.01  | 0.21  | 0.18  | 0.05       | 0.05  | 2.90  | 3.70  |       |       |
| 50          |          | 0.16             | 0.10  | 0.02  | 0.01  | 0.34  | 0.29  | 0.08       | 0.07  | 2.50  | 3.20  |       |       |
| 55          |          | 0.27             | 0.16  | 0.04  | 0.02  | 0.59  | 0.49  | 0.15       | 0.12  | 2.50  | 3.00  |       |       |
| 60          |          | 0.47             | 0.29  | 0.06  | 0.04  | 0.98  | 0.71  | 0.24       | 0.18  | 2.50  | 3.00  |       |       |

Rates of separation for members with less than 3 years of service are assumed to be 18% in the first year, 15% in the second year, and 12% in the third year.

ACTUARIAL

## Summary of Actuarial Assumptions and Methods

**TABLE C: Probability of Retirement for Members Eligible to Retire**

| <i>ERFC (Hired before 7/1/2001)</i> |         |                 | <i>ERFC 2001 (Hired on or after 7/1/2001)</i> |         |               |
|-------------------------------------|---------|-----------------|---|---------|---------------|
| Type of Retirement                  |         |                 | Type of Retirement                            |         |               |
| Ages                                | Service | Reduced Service | Age Based                                     | Service | Service Based |
| 45                                  |         | 5%              |   |         |               |
| 46                                  |         | 5               |   |         |               |
| 47                                  |         | 5               |   |         |               |
| 48                                  |         | 5               |   |         |               |
| 49                                  |         | 5               |   |         |               |
| 50                                  |         | 6               |   |         |               |
| 51                                  |         | 7               |   |         |               |
| 52                                  |         | 8               |   |         |               |
| 53                                  |         | 9               |   |         |               |
| 54                                  |         | 10              |   |         |               |
| 55                                  | 50%     | 10              |   | 30      | 35%           |
| 56                                  | 40      | 5               |   | 31      | 28            |
| 57                                  | 30      | 5               |   | 32      | 21            |
| 58                                  | 30      | 5               |   | 33      | 21            |
| 59                                  | 30      | 5               |   | 34      | 21            |
| 60                                  | 30      | 10              | 21%   | 35      | 21            |
| 61                                  | 40      | 10              | 28  | 36      | 28            |
| 62                                  | 40      | 20              | 28  | 37      | 28            |
| 63                                  | 25      | 20              | 18  | 38      | 35            |
| 64                                  | 25      | 20              | 18  | 39      | 50            |
| 65                                  | 50      |                 | 50  | 40 & up | 100           |
| 66                                  | 40      |                 | 40  |         |               |
| 67                                  | 30      |                 | 30  |         |               |
| 68                                  | 40      |                 | 40  |         |               |
| 69                                  | 20      |                 | 20  |         |               |
| 70                                  | 20      |                 | 20  |         |               |
| 71                                  | 20      |                 | 20  |         |               |
| 72                                  | 30      |                 | 30  |         |               |
| 73                                  | 40      |                 | 40  |         |               |
| 74                                  | 50      |                 | 50  |         |               |
| 75                                  | 100     |                 | 100   |         |               |
| 76                                  | 100     |                 | 100   |         |               |
| 77                                  | 100     |                 | 100   |         |               |
| 78                                  | 100     |                 | 100   |         |               |
| 79                                  | 100     |                 | 100   |         |               |
| 80                                  | 100     |                 | 100   |         |               |

# Summary of Actuarial Assumptions and Methods

**TABLE D: Single Life Retirement Values**

| Standard Mortality   |  |           |                                |       |
|----------------------|--|-----------|--------------------------------|-------|
| Sample Attained Ages | Present Value of \$1 Monthly for Life Increasing 3% Annually |           | Future Life Expectancy (years) |       |
|                      | Men  | Women     | Men                            | Women |
| 55                   | \$ 183.72  | \$ 195.47 | 27.95                          | 31.11 |
| 60                   | 165.91   | 178.85    | 23.52                          | 26.49 |
| 65                   | 146.49   | 160.36    | 19.39                          | 22.11 |
| 70                   | 126.51   | 140.71    | 15.66                          | 18.08 |
| 75                   | 106.26   | 119.31    | 12.34                          | 14.31 |
| 80                   | 85.94  | 97.25     | 9.40                           | 10.93 |

| Disabled Mortality   |  |           |                                |       |
|----------------------|--|-----------|--------------------------------|-------|
| Sample Attained Ages | Present Value of \$1 Monthly for Life Increasing 3% Annually |           | Future Life Expectancy (years) |       |
|                      | Men  | Women     | Men                            | Women |
| 55                   | \$ 128.18  | \$ 144.69 | 17.14                          | 20.34 |
| 60                   | 118.67   | 135.13    | 15.18                          | 18.04 |
| 65                   | 110.09   | 124.28    | 13.46                          | 15.71 |
| 70                   | 99.71  | 111.15    | 11.60                          | 13.27 |
| 75                   | 86.55  | 94.60     | 9.55                           | 10.66 |
| 80                   | 70.31  | 76.56     | 7.37                           | 8.17  |

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## Summary of Actuarial Assumptions and Methods

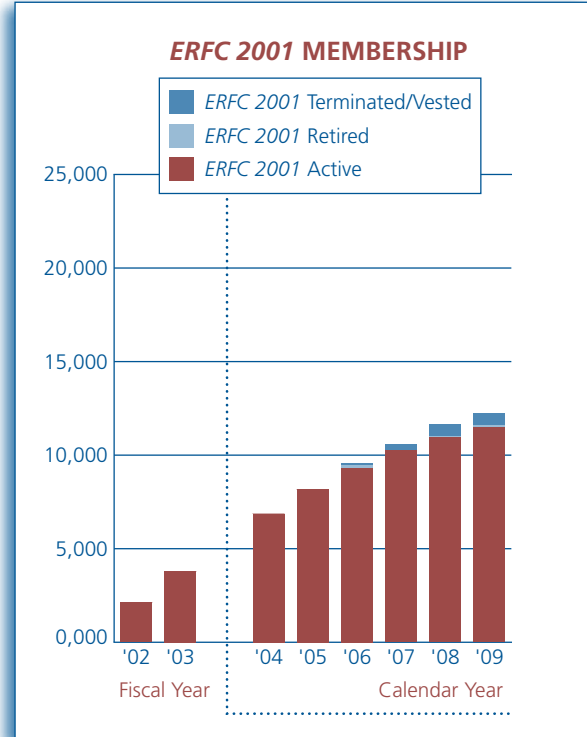
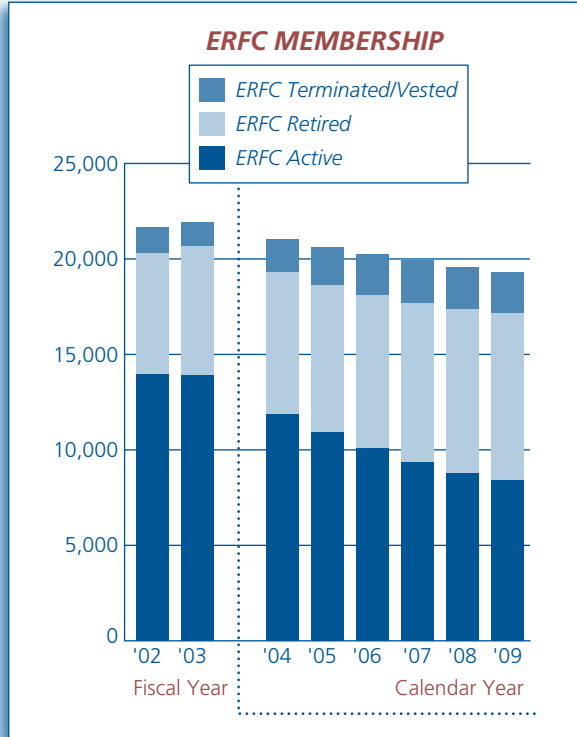
**TABLE E: Rates of Forfeiture Following Vested Separation**

Forfeiture occurs when a vested person separates from service and withdraws contributions thereby forfeiting future rights to an employer financed benefit. The total probability of forfeiture is obtained by multiplying the probability of “other separation” from Table B by the probability of forfeiture from this table. The table does not apply to individuals who are eligible for retirement at the time of termination.

| Age at Separation | Sample Entry Age |        |        |        |        |
|-------------------|------------------|--------|--------|--------|--------|
|                   | 25               | 30     | 35     | 40     | 45     |
| 30                | 0.5000           |        |        |        |        |
| 31                | 0.4854           |        |        |        |        |
| 32                | 0.4708           |        |        |        |        |
| 33                | 0.4563           |        |        |        |        |
| 34                | 0.4417           |        |        |        |        |
| 35                | 0.4271           | 0.5000 |        |        |        |
| 36                | 0.4125           | 0.4816 |        |        |        |
| 37                | 0.3979           | 0.4632 |        |        |        |
| 38                | 0.3833           | 0.4447 |        |        |        |
| 39                | 0.3688           | 0.4263 |        |        |        |
| 40                | 0.3542           | 0.4079 | 0.5000 |        |        |
| 41                | 0.3396           | 0.3895 | 0.4750 |        |        |
| 42                | 0.3250           | 0.3711 | 0.4500 |        |        |
| 43                | 0.3104           | 0.3526 | 0.4250 |        |        |
| 44                | 0.2958           | 0.3342 | 0.4000 |        |        |
| 45                | 0.2813           | 0.3158 | 0.3750 | 0.5000 |        |
| 46                | 0.2667           | 0.2974 | 0.3500 | 0.4611 |        |
| 47                | 0.2521           | 0.2789 | 0.3250 | 0.4222 |        |
| 48                | 0.2375           | 0.2605 | 0.3000 | 0.3833 |        |
| 49                | 0.2229           | 0.2421 | 0.2750 | 0.3444 |        |
| 50                | 0.2083           | 0.2237 | 0.2500 | 0.3056 | 0.5000 |
| 51                | 0.1938           | 0.2053 | 0.2250 | 0.2667 | 0.4125 |
| 52                | 0.1792           | 0.1868 | 0.2000 | 0.2278 | 0.3250 |
| 53                | 0.1646           | 0.1684 | 0.1750 | 0.1889 | 0.2375 |
| 54                | 0.1500           | 0.1500 | 0.1500 | 0.1500 | 0.1500 |

## Summary of Member Data

(Last Eight Years)



|                     | Year | ERFC   |         |                   | ERFC 2001 |         |                   | Total  |
|---------------------|------|--------|---------|-------------------|-----------|---------|-------------------|--------|
|                     |      | Active | Retired | Terminated/Vested | Active    | Retired | Terminated/Vested |        |
| Fiscal Year         | 2002 | 13,940 | 6,375   | 1,362             | 2,134     |         |                   | 23,811 |
| (As of June 30)     | 2003 | 13,934 | 6,729   | 1,301             | 3,804     |         |                   | 25,768 |
| Calendar Year       | 2004 | 11,856 | 7,430   | 1,780             | 6,864     |         |                   | 27,930 |
| (As of December 31) | 2005 | 10,895 | 7,710   | 2,030             | 8,186     |         |                   | 28,821 |
|                     | 2006 | 10,065 | 7,710   | 2,179             | 9,306     | 6       | 65                | 29,331 |
|                     | 2007 | 9,350  | 8,333   | 2,249             | 10,249    | 21      | 157               | 30,359 |
|                     | 2008 | 8,791  | 8,556   | 2,243             | 10,940    | 39      | 317               | 30,886 |
|                     | 2009 | 8,417  | 8,707   | 2,177             | 11,474    | 65      | 390               | 31,230 |

ACTUARIAL

## Summary of Member Data

(As of December 31, 2009)

### Active *ERFC* Members by Attained Age and Years of Service

| Age Group    | YEARS OF SERVICE TO VALUATION DATE |              |              |              |              |            |            | TOTALS       |                       |                  |
|--------------|------------------------------------|--------------|--------------|--------------|--------------|------------|------------|--------------|-----------------------|------------------|
|              | 0-4                                | 5-9          | 10-14        | 15-19        | 20-24        | 25-29      | 30 & Up    | No.          | Salary                | Average          |
| 15-19        |                                    |              |              |              |              |            |            |              |                       |                  |
| 20-24        |                                    |              |              |              |              |            |            |              |                       |                  |
| 25-29        |                                    | 4            |              |              |              |            |            | 4            | \$ 204,551            | \$ 51,138        |
| 30-34        | 5                                  | 233          | 120          |              |              |            |            | 358          | 22,396,062            | 62,559           |
| 35-39        | 10                                 | 267          | 527          | 69           |              |            |            | 873          | 60,453,133            | 69,248           |
| 40-44        | 11                                 | 197          | 439          | 314          | 40           | 2          |            | 1,003        | 72,823,776            | 72,606           |
| 45-49        | 11                                 | 217          | 375          | 262          | 244          | 42         |            | 1,151        | 82,994,118            | 72,106           |
| 50-54        | 12                                 | 202          | 496          | 301          | 288          | 226        | 41         | 1,566        | 116,501,659           | 74,394           |
| 55-59        | 5                                  | 236          | 573          | 370          | 321          | 192        | 91         | 1,788        | 132,170,583           | 73,921           |
| 60           |                                    | 30           | 100          | 79           | 71           | 32         | 14         | 326          | 24,848,491            | 76,222           |
| 61           |                                    | 21           | 106          | 84           | 56           | 26         | 3          | 296          | 21,173,062            | 71,531           |
| 62           | 2                                  | 26           | 84           | 65           | 72           | 23         | 2          | 274          | 19,648,891            | 71,711           |
| 63           |                                    | 23           | 74           | 63           | 61           | 18         | 4          | 243          | 17,083,043            | 70,301           |
| 64           | 1                                  | 14           | 37           | 55           | 39           | 12         |            | 158          | 11,875,362            | 75,161           |
| 65           |                                    | 16           | 32           | 31           | 26           | 8          | 1          | 114          | 8,316,540             | 72,952           |
| 66           |                                    | 9            | 19           | 17           | 14           | 7          | 2          | 68           | 4,817,095             | 70,840           |
| 67           |                                    | 8            | 17           | 20           | 24           | 11         | 2          | 82           | 5,894,995             | 71,890           |
| 68           |                                    | 3            | 6            | 6            | 10           | 4          | 3          | 32           | 2,366,740             | 73,961           |
| 69           |                                    | 3            | 5            | 7            | 5            | 3          | 1          | 24           | 1,493,605             | 62,234           |
| 70           |                                    |              | 9            | 3            | 2            | 2          |            | 16           | 867,681               | 54,230           |
| 71           |                                    |              | 4            |              | 4            | 2          |            | 10           | 537,677               | 53,768           |
| 72           |                                    |              | 2            | 1            | 5            | 1          | 2          | 11           | 705,147               | 64,104           |
| 73           |                                    |              |              | 1            | 2            | 1          | 2          | 6            | 363,370               | 60,562           |
| 74           |                                    |              |              | 1            |              |            |            | 1            | 85,284                | 85,284           |
| 75 & up      |                                    |              | 4            | 2            | 3            | 2          | 2          | 13           | 589,786               | 45,368           |
| <b>Total</b> | <b>57</b>                          | <b>1,509</b> | <b>3,029</b> | <b>1,751</b> | <b>1,287</b> | <b>614</b> | <b>170</b> | <b>8,417</b> | <b>\$ 608,210,651</b> | <b>\$ 72,260</b> |

## Summary of Member Data

(As of December 31, 2009)

### Active *ERFC 2001* Members by Attained Age and Years of Service

| Age Group    | YEARS OF SERVICE TO VALUATION DATE |              |       |       |       |       | TOTALS  |               |                       |                  |
|--------------|------------------------------------|--------------|-------|-------|-------|-------|---------|---------------|-----------------------|------------------|
|              | 0-4                                | 5-9          | 10-14 | 15-19 | 20-24 | 25-29 | 30 & Up | No.           | Salary                | Average          |
| 15-19        | 1                                  |              |       |       |       |       |         | 1             | \$ 20,574             | \$ 20,574        |
| 20-24        | 460                                | 1            |       |       |       |       |         | 461           | 19,011,184            | 41,239           |
| 25-29        | 2,303                              | 321          |       |       |       |       |         | 2,624         | 128,186,435           | 48,852           |
| 30-34        | 1,198                              | 1,008        |       |       |       |       |         | 2,206         | 120,194,842           | 54,485           |
| 35-39        | 736                                | 553          |       |       |       |       |         | 1,289         | 72,474,176            | 56,225           |
| 40-44        | 714                                | 411          |       |       |       |       |         | 1,125         | 61,310,249            | 54,498           |
| 45-49        | 757                                | 468          |       |       |       |       |         | 1,225         | 60,821,270            | 49,650           |
| 50-54        | 617                                | 530          |       |       |       |       |         | 1,147         | 59,430,433            | 51,814           |
| 55-59        | 378                                | 467          |       |       |       |       |         | 845           | 46,860,232            | 55,456           |
| 60           | 53                                 | 67           |       |       |       |       |         | 120           | 6,751,433             | 56,262           |
| 61           | 48                                 | 69           |       |       |       |       |         | 117           | 6,793,845             | 58,067           |
| 62           | 36                                 | 56           |       |       |       |       |         | 92            | 5,053,786             | 54,932           |
| 63           | 36                                 | 42           |       |       |       |       |         | 78            | 4,975,744             | 63,792           |
| 64           | 15                                 | 27           |       |       |       |       |         | 42            | 2,408,364             | 57,342           |
| 65           | 15                                 | 18           |       |       |       |       |         | 33            | 1,739,906             | 52,724           |
| 66           | 5                                  | 14           |       |       |       |       |         | 19            | 1,214,023             | 63,896           |
| 67           | 7                                  | 11           |       |       |       |       |         | 18            | 950,019               | 52,779           |
| 68           | 6                                  | 6            |       |       |       |       |         | 12            | 612,070               | 51,006           |
| 69           | 3                                  | 3            |       |       |       |       |         | 6             | 346,032               | 57,672           |
| 70           |                                    | 2            |       |       |       |       |         | 2             | 150,468               | 75,234           |
| 71           | 2                                  | 1            |       |       |       |       |         | 3             | 157,262               | 52,421           |
| 72           | 1                                  | 2            |       |       |       |       |         | 3             | 83,293                | 27,764           |
| 73           | 1                                  |              |       |       |       |       |         | 1             | 73,254                | 73,254           |
| 74           | 2                                  | 1            |       |       |       |       |         | 3             | 154,175               | 51,392           |
| 75 & up      | 2                                  |              |       |       |       |       |         | 2             | 108,886               | 54,443           |
| <b>Total</b> | <b>7,396</b>                       | <b>4,078</b> |       |       |       |       |         | <b>11,474</b> | <b>\$ 599,881,955</b> | <b>\$ 52,282</b> |

ACTUARIAL

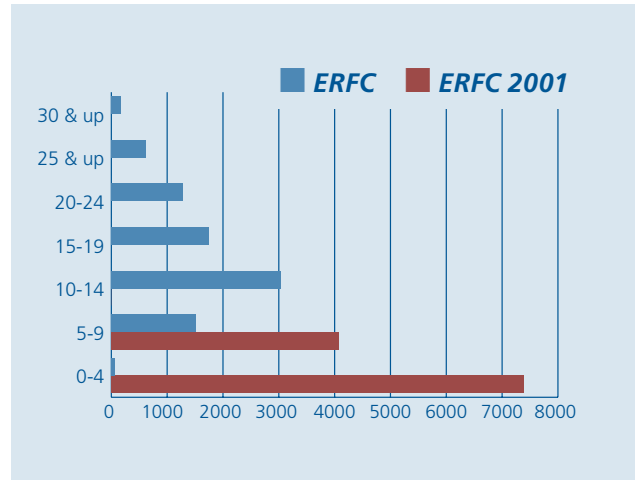
## Summary of Member Data

(As of December 31, 2009)

### ACTIVE MEMBER YEARS OF SERVICE

Average Service = 8.9 years

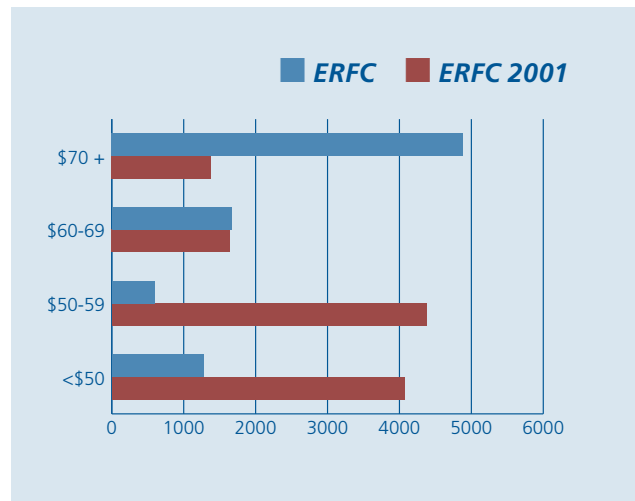
|                  | 0-4   | 5-9   | 10-14 | 15-19 | 20-24 | 25-29 | 30 & up |
|------------------|-------|-------|-------|-------|-------|-------|---------|
| <i>ERFC</i>      | 57    | 1,509 | 3,029 | 1,751 | 1,287 | 614   | 170     |
| <i>ERFC 2001</i> | 7,396 | 4,078 | -     | -     | -     | -     | -       |



### ACTIVE MEMBER SALARIES (\$ in thousands)

Average Annual Pay = \$60,736

|                  | < \$ 50 | \$ 50-59 | \$ 60-69 | \$ 70+ |
|------------------|---------|----------|----------|--------|
| <i>ERFC</i>      | 1,279   | 592      | 1,662    | 4,884  |
| <i>ERFC 2001</i> | 4,074   | 4,377    | 1,643    | 1,380  |

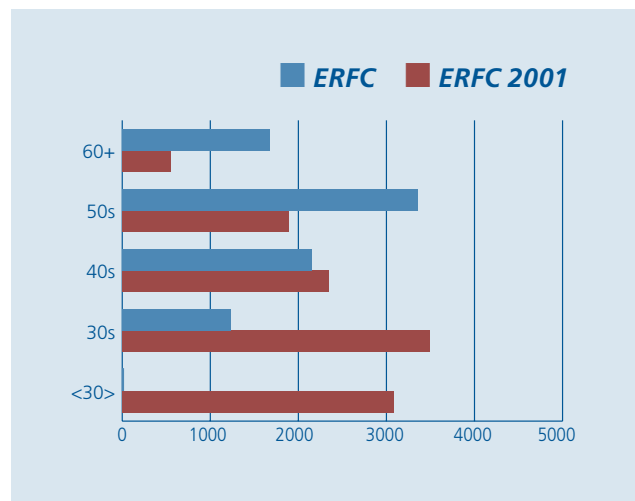


### ACTIVE MEMBER AGES

Average Age = 44.0 years

Total Active Members = 19,891

|                  | <30   | 30's  | 40's  | 50's  | 60+   |
|------------------|-------|-------|-------|-------|-------|
| <i>ERFC</i>      | 4     | 1,231 | 2,154 | 3,354 | 1,674 |
| <i>ERFC 2001</i> | 3,086 | 3,495 | 2,350 | 1,992 | 551   |





## Summary of Member Data

(Last Eight Years)

### ACTIVE MEMBER VALUATION DATA

| Valuation Date    | Annual Number | Annual Payroll | Annual Average Pay | % Increase in Annual Pay |
|-------------------|---------------|----------------|--------------------|--------------------------|
| June 30, 2002     | 16,074        | \$ 781,756,005 | \$ 48,635          | 2.1                      |
| June 30, 2003     | 17,738        | 866,501,799    | 48,850             | 0.4                      |
| December 31, 2004 | 18,720        | 977,817,281    | 52,234             | 6.9                      |
| December 31, 2005 | 19,081        | 1,050,216,544  | 55,040             | 5.4                      |
| December 31, 2006 | 19,371        | 1,111,827,576  | 57,396             | 4.3                      |
| December 31, 2007 | 19,599        | 1,161,431,668  | 59,260             | 3.2                      |
| December 31, 2008 | 19,731        | 1,211,140,009  | 61,383             | 3.6                      |
| December 31, 2009 | 19,891        | 1,208,092,606  | 60,735             | (0.01)                   |

### RETIREES AND BENEFICIARIES ADDED AND REMOVED

| Year              | Added to Payroll |                            | Removed from Payroll |                            | Payroll at End of Year |                            |                                    |                               |
|-------------------|------------------|----------------------------|----------------------|----------------------------|------------------------|----------------------------|------------------------------------|-------------------------------|
|                   | Number           | Annualized Monthly Benefit | Number               | Annualized Monthly Benefit | Number                 | Annualized Monthly Benefit | Average Annualized Monthly Benefit | % Increase in Monthly Benefit |
| As of June 30     |                  |                            |                      |                            |                        |                            |                                    |                               |
| 2002              | 741              | \$ 1,120,553               | 132                  | \$ 77,890                  | 6,375                  | \$ 7,245,460               | 1,137                              | 13.54%                        |
| 2003              | 625              | 951,989                    | 271                  | 91,665                     | 6,729                  | 7,942,436                  | 1,180                              | 9.62                          |
| As of December 31 |                  |                            |                      |                            |                        |                            |                                    |                               |
| 2004*             | 989              | 1,465,852                  | 288                  | 175,242                    | 7,430                  | 8,872,997                  | 1,194                              | 11.72                         |
| 2005              | 481              | 615,969                    | 201                  | 106,627                    | 7,710                  | 9,587,825                  | 1,244                              | 8.06                          |
| 2006              | 531              | 729,364                    | 212                  | 124,532                    | 8,029                  | 10,124,699                 | 1,261                              | 5.60                          |
| 2007              | 539              | 727,585                    | 214                  | 129,189                    | 8,354                  | 10,705,991                 | 1,282                              | 5.74                          |
| 2008              | 461              | 660,186                    | 220                  | 147,638                    | 8,595                  | 11,189,751                 | 1,302                              | 4.52                          |
| 2009              | 426              | 596,102                    | 249                  | 162,485                    | 8,772                  | 11,565,358                 | 1,318                              | 3.36                          |

\* With the transition from fiscal year to calendar year valuations, the added and removed calculations reflect an 18-month time span.

## Short-Term Solvency Test

If the contributions to ERFC are level in concept and soundly executed, the System **will pay all promised benefits when due — the ultimate test of financial soundness**. Testing for level contribution rates is the **long-term test**.

A **short-term solvency test** is one means of checking a system's progress under its funding program. In a short-term solvency test, the plan's present assets (cash and investments) are compared with:

- 1) Active member contributions on deposit,
- 2) The liabilities for future benefits to present retired lives, and

- 3) The liabilities for service already rendered by active members.

In a system that has been following the discipline of level percent of payroll financing, the liabilities for active member contributions on deposit (liability 1 in the table below) and the liabilities for future benefits to present retired lives (liability 2) will be fully covered by present assets (except in rare circumstances). In addition, the liabilities for service already rendered by active members (liability 3) will be partially covered by the remainder of present assets. The larger the funded portion of liability 3, the stronger the condition of the system.

| AGGREGATE ACTUARIAL ACCRUED LIABILITIES |                      |                             |                                     |                  |  |       |      |
|---|----------------------|-----------------------------|-------------------------------------|------------------|--|-------|------|
| Last 20 years                           |                      |                             |                                     |                  |  |       |      |
| Valuation Date                          | (1)                  | (2)                         | (3)                                 | Valuation Assets | Portion of Accrued Liabilities Covered by Assets |       |      |
|   | Member Contributions | Retirants and Beneficiaries | Members (Employer Financed Portion) |                  | (1)  | (2)   | (3)  |
|   | (\$ in thousands)    |                             |                                     |                  |  |       |      |
| 6/30/1990                               | \$ 83,920            | \$ 240,122                  | \$ 320,831                          | \$ 461,450       | 100 %  | 100 % | 43 % |
| 6/30/1991                               | 89,976               | 285,618                     | 342,133                             | 510,825          | 100  | 100   | 40   |
| 6/30/1992                               | 97,502               | 318,072                     | 347,996                             | 563,644          | 100  | 100   | 43   |
| @# 6/30/1993                            | 115,312              | 344,160                     | 448,895                             | 717,701          | 100  | 100   | 58   |
| 6/30/1994                               | 129,428              | 374,849                     | 467,802                             | 766,480          | 100  | 100   | 56   |
| \$ 6/30/1995                            | 143,150              | 395,249                     | 534,137                             | 839,930          | 100  | 100   | 56   |
| 6/30/1996                               | 146,228              | 436,181                     | 548,135                             | 934,572          | 100  | 100   | 64   |
| 6/30/1997                               | 144,063              | 464,345                     | 606,959                             | 1,045,412        | 100  | 100   | 72   |
| # 6/30/1998                             | 149,261              | 490,261                     | 638,891                             | 1,194,556        | 100  | 100   | 87   |
| 6/30/1999                               | 154,582              | 539,917                     | 651,160                             | 1,365,417        | 100  | 100   | 103  |
| 6/30/2000                               | 157,148              | 614,739                     | 595,484                             | 1,505,231        | 100  | 100   | 123  |
| 6/30/2001                               | 178,564              | 667,605                     | 674,857                             | 1,599,219        | 100  | 100   | 112  |
| \$ 6/30/2001                            | 178,564              | 667,605                     | 706,389                             | 1,599,219        | 100  | 100   | 107  |
| 6/30/2002                               | 170,849              | 699,251                     | 823,856                             | 1,619,889        | 100  | 100   | 91   |
| \$ 6/30/2003                            | 176,648              | 903,963                     | 691,807                             | 1,597,459        | 100  | 100   | 75   |
| # 12/31/2004                            | 227,725              | 1,083,988                   | 623,869                             | 1,643,020        | 100  | 100   | 53   |
| 12/31/2005                              | 257,142              | 1,130,378                   | 635,442                             | 1,718,399        | 100  | 100   | 52   |
| 12/31/2006                              | 239,780              | 1,176,979                   | 688,793                             | 1,818,930        | 100  | 100   | 58   |
| 12/31/2007                              | 269,404              | 1,221,969                   | 695,428                             | 1,924,886        | 100  | 100   | 62   |
| @12/31/2008                             | 302,910              | 1,237,613                   | 714,775                             | 1,733,946        | 100  | 100   | 27   |
| 12/31/2009                              | 342,663              | 1,264,675                   | 706,944                             | 1,769,540        | 100  | 100   | 23   |

@ After change in asset valuation method. \$ After changes in benefit structure. # After changes in actuarial assumptions.

## Analysis of Financial Experience

**Pay Increases.** If there are smaller pay increases than assumed, there is a gain. If greater increases, a loss.

**Investment Return.** If there is a greater investment return than assumed, there is a gain. If smaller return, a loss.

**Age & Service Retirement.** If members retire at older ages than assumed, there is a gain. If at younger ages, a loss.

**Disability & Death in Service.** If disability claims are less than assumed, there is a gain. If claims are more, a loss. If survivor claims are less than assumed, there is a gain. If claims are more, a loss.

**Other Separations.** If more liabilities are released by other separations than assumed, there is a gain. If smaller releases, a loss.

### EXPERIENCE GAINS AND LOSSES BY RISK AREA

(Dollars in Millions)

| Experience Period              | Economic Risk Area  |                   |                            | Demographic Risk Area           |                   |          | Total Gain (Loss) |                        |
|--------------------------------|---|-------------------|----------------------------|---------------------------------|-------------------|----------|-------------------|------------------------|
|                                | Pay Increases   | Investment Return | Age and Service Retirement | Disability and Death-in Service | Other Separations | Other    | Amount            | Percent of Liabilities |
| For Periods Ending June 30     |   |                   |                            |                                 |                   |          |                   |                        |
| 1990-91                        | \$ (2.1)  | \$ 14.4           | \$ (25.9)                  | \$ (5.5)                        | \$ 0.4            | \$ (5.0) | \$ (23.7)         | (3.7) %                |
| 1991-92                        | 21.2  | 21.7              | (28.4)                     | (6.0)                           | (4.0)             | 2.3      | 6.8               | 0.9                    |
| 1992-93                        | 15.1  | 34.6              | (16.3)                     | (1.0)                           | (6.5)             | (17.3)   | 8.6               | 1.1                    |
| #1993-94                       | (4.1)   | 4.7               | (1.6)                      | (3.7)                           | 3.5               | (15.2)   | (16.4)            | (1.8)                  |
| 1994-95                        | (9.7)   | 25.2              | 5.1                        | (1.4)                           | (4.4)             | (5.5)    | 9.3               | 0.9                    |
| 1995-96                        | (7.7)   | 45.4              | 4.1                        | (1.8)                           | (5.6)             | 4.3      | 38.7              | 3.6                    |
| 1996-97                        | 9.9   | 53.5              | 2.9                        | (1.7)                           | (4.5)             | (8.7)    | 51.4              | 4.5                    |
| #1997-98                       | (2.6)   | 81.1              | 5.9                        | (0.5)                           | 6.4               | (13.9)   | 76.4              | 6.3                    |
| *1998-99                       | (8.4)   | 95.4              | 0.3                        | (1.0)                           | 6.5               | (3.8)    | 89.0              | 7.0                    |
| 1999-00                        | (17.6)  | 62.3              | 3.8                        | (1.2)                           | 12.9              | 38.9     | 99.1              | 7.4                    |
| 2000-01                        | (9.1)   | 17.6              | (0.3)                      | (1.0)                           | 13.0              | (19.5)   | 0.7               | 0.0                    |
| 2001-02                        | 3.0   | (50.4)            | 3.5                        | (1.1)                           | 2.6               | (29.9)   | (72.3)            | (4.7)                  |
| 2002-03                        | 18.5  | (92.5)            | 11.0                       | (0.3)                           | 4.0               | (23.3)   | (82.6)            | (4.9)                  |
| For Periods Ending December 31 |   |                   |                            |                                 |                   |          |                   |                        |
| @2003-04                       | <i>Due to transition to calendar year valuations, a gain/loss analysis was not conducted for this valuation period.</i> |                   |                            |                                 |                   |          |                   |                        |
| #2005                          | (7.1)   | 1.9               | 1.0                        | 0.1                             | 0.0               | (3.2)    | (7.3)             | (0.4)                  |
| 2006                           | (4.7)   | 23.6              | 2.0                        | 0.0                             | (0.8)             | 2.6      | 22.7              | 1.1                    |
| 2007                           | 10.0  | 25.1              | 1.9                        | (0.2)                           | (2.2)             | (7.2)    | 27.4              | 1.4                    |
| 2008                           | 4.1   | (277.5)           | 5.2                        | (0.4)                           | (4.0)             | 13.5     | (259.1)           | (11.8)                 |
| 2009                           | 45.0  | (34.6)            | 8.8                        | (0.8)                           | (10.0)            | (11.6)   | (3.2)             | (0.1)                  |

# Experience Study

\* Updated Gain Formulas

@ Gain Loss analysis not performed

## Summary of Benefit Provisions

Available to a Member Retiring with Some Service **Before July 1, 1988** (ERFC Members)

### **Service Retirement: Alternate Amount**

#### **After Social Security Normal Retirement Age.**

By election at time of retirement, a member with service before July 1, 1988, may elect to receive 1988 new benefits with a special alternate amount for payment periods after the age the member becomes eligible for full Social Security benefits. The alternate amount is 103 percent of the total of:

- 1) the amount payable under June 30, 1987 benefit provisions,
- 2) plus, if the retiring member is younger than age 65 and if creditable Virginia service is less than 30 years, 1.65 percent of VRS average final compensation in excess of \$1,200, multiplied by years of creditable Virginia service, and further multiplied by a certain percent based upon the number of months that retirement occurs before reaching the earlier of the above two conditions; such percent is half of one percent for each of the first 60 such months and 4/10 of one percent for each of the next 60 such months, if any.

### **Reduced Service Retirement: With 25 Years**

**Service.** By election at time of retirement, such a member may elect to receive 103 percent of the following combination of benefits:

- **To age 55**, 2.85 percent of the 3-year average annual salary multiplied by years of credited service, then actuarially reduced to reflect retirement age younger than age 55; and
- **From age 55 to Social Security Normal Retirement Age**, the amount to age 55 reduced by: 1.65 percent of the portion of VRS average final compensation in excess of \$1,200, multiplied by applicable years of creditable Virginia service; provided if creditable Virginia service is less than 30 years, the result of such multiplication shall be actuarially reduced for each month before the earlier of (1) attainment of age 65, and (2) the date when 30 years service would have been completed; and
- **From Social Security Normal Retirement Age for life**, the greater of the amount payable at the age the member becomes eligible for full Social Security benefits according to June 30, 1987 provisions or the amount payable at that age according to July 1, 1988 provisions.

## Summary of Benefit Provisions

For a Person Becoming a Member after July 1, 1988 but Before July 1, 2001 (*ERFC Members*)

**Service Retirement: Eligibility.** A member may retire any time after reaching the service retirement date, which is either (i) age 65 with 5 years service or (ii) age 55 with 25 years of service.

**Service Retirement: Amount.** For payment periods during the retired member's lifetime 103 percent times (i) minus (ii) where:

- (i) means 1.85 percent of the 3-year average annual salary multiplied by years of credited service, and
- (ii) means 1.65 percent of the portion of VRS average final compensation in excess of \$1,200, multiplied by applicable years of creditable Virginia service; provided if the member is younger than age 65 and if creditable Virginia service is less than 30 years, the result of such multiplication shall be actuarially reduced for each month before the earlier of:
  - 1) attainment of age 65, and
  - 2) the date when 30 years service would have been completed.

For payment periods, if any, before the age the member becomes eligible for full Social Security benefits, an additional temporary benefit equal to 1 percent of the 3-year average annual salary multiplied by years of credited service.

**Reduced Service Retirement: Eligibility.** A member with 25 years service but younger than age 55 may retire as early as age 45. A member with less than 25 years service and younger than age 65 may retire on or after age 55.

**Reduced Service Retirement: Amount After 25 Years Service.** Service Retirement amount actuarially reduced to reflect retirement age younger than age 55.

**Reduced Service Retirement: Amount After 5-24 Years Service.** For payment periods during the retired member's lifetime, the

Service Retirement amount payable at age 65 is actuarially reduced to reflect that the retirement age is younger than age 65. For payment periods before the age the member becomes eligible for full Social Security benefits, an additional temporary benefit equal to the Service Retirement temporary benefit reduced to reflect that the retirement age is younger than age 65.

**Disability Retirement:** An active member with 5 or more years of service who becomes totally and permanently disabled may be retired and receive a disability pension. The 5 year service requirement is waived if the disability is service-connected.

The amount is 103 percent times a lifetime pension equal to 0.25 percent of the 3-year average annual salary multiplied by years of credited service. Credited service shall be increased by the time period from disability retirement to the date when member would have reached service retirement date.

**Death-in-Service Benefits:** An active member with 5 or more years of service who dies will have benefits payable to the surviving spouse and/or dependent children. The 5 year service requirement is waived if the death is service-connected and the member's benefit includes service credit that the member would have earned between the date of death and eligibility for service retirement (with a minimum of 10 years of service used).

**Deferred Retirement:** Calculated in the same manner as reduced service retirement.

**Member Contributions:** Members contribute 4 percent of their salaries. Interest credits of 5 percent are added annually. If a member leaves covered employment before becoming eligible to retire, accumulated contributions are returned upon request.

*Before July 1, 2001, continued on next page*

*Before July 1, 2001, continued from previous page*

**Post-Retirement Increases:** On March 31, most pensions are increased by 3 percent. These increases are compounded each year. Pensions of members or beneficiaries who retired in the immediately preceding calendar year are increased by 1.489 percent ( $\frac{1}{2}$  of a year's increase).

**Lifetime Level Benefit:** Members retiring after July 1, 2004 are eligible for a lifetime level benefit (LLB) that is calculated by determining

the annuitized value of the greater of their accumulated contribution balance or the present value of the currently provided benefit.

**Optional Forms of Payment:**

- Option A — 100% joint and survivor.
- Option B — 50% joint and survivor.
- Option C — 10 years certain and life.
- Option D — Single sum payment not exceeding member's accumulated contribution balance, plus a single life annuity actuarially reduced from the pension amount otherwise payable.

## Summary of Benefit Provisions

For a Person Becoming a Member **July 1, 2001 or Later** (*ERFC 2001* Members)

**Service Retirement: Eligibility.** A member may retire any time after reaching the service retirement date, which is either (i) age 60 with 5 years service or (ii) any age with 30 years of service.

**Service Retirement: Amount.** For payment periods during the retired member's lifetime.

The amount is a lifetime pension equal to 0.8 percent of the 3-year average annual salary multiplied by years of credited service.

**Death-in-Service Benefits:** An active member with 5 or more years of service who dies will have benefits payable to the nominated beneficiary.

The amount is a pension equal to the straight life amount (0.8 percent of the 3-year average annual salary multiplied by years of credited service at date of death), reduced in accordance with an option A election and payable at age 60. Beneficiaries may elect to receive benefits before age 60 if benefits are further reduced as follows:

- an additional reduction of the smaller of
  - 1)  $\frac{1}{2}$  of 1 percent for the first 60 months and  $\frac{4}{10}$  of 1 percent for each additional month between the member's age at the date of death and age 60, and

- 2)  $\frac{1}{2}$  of 1 percent for the first 60 months and  $\frac{4}{10}$  of 1 percent for each additional month between the member's service at the date of death and 30 years.

**Deferred Retirement:** An inactive member with 5 or more years of service will be entitled to a pension with payments beginning at age 60, provided she/he does not withdraw accumulated member contributions.

The amount is a pension equal to the straight life amount (0.8 percent of the 3-year average annual salary multiplied by years of credited service at termination date), payable at age 60.

**Member Contributions:** Members contribute 4 percent of their salaries. Interest credits of 5 percent are added annually. If a member leaves covered employment before becoming eligible to retire, accumulated contributions are returned upon request.

**Post-Retirement Increases:** On March 31, most pensions are increased by 3 percent. These increases are compounded each year. Pensions of members or beneficiaries who retired in the immediately preceding calendar year are increased by 1.489 percent.

## ERFC Contribution Rates

(Last 20 Years)

| Fiscal Year  | Support Employees |          |       | Instructional Employees |          |       |
|--|-------------------|----------|-------|-------------------------|----------|-------|
|  | Employee          | Employer | Total | Employee                | Employer | Total |
| 1991   | 2.00              | 5.08     | 7.08  | 2.00                    | 5.53     | 7.53  |
| 1992   | 2.00              | 5.08     | 7.08  | 2.00                    | 5.53     | 7.53  |
| 1993   | 2.00              | 5.08     | 7.08  | 2.00                    | 5.53     | 7.53  |
| 1994   | 2.00              | 5.08     | 7.08  | 2.00                    | 5.53     | 7.53  |
| 1995   | 2.00              | 5.08     | 7.08  | 2.00                    | 5.53     | 7.53  |
| 1996   | 2.00              | 5.08     | 7.08  | 2.00                    | 5.53     | 7.53  |
| 1997   | 2.00              | 5.58     | 7.58  | 2.00                    | 6.03     | 8.03  |
| 1998   | 2.00              | 5.58     | 7.58  | 2.00                    | 6.03     | 8.03  |
| 1999   | 2.00              | 5.58     | 7.58  | 2.00                    | 6.03     | 8.03  |
| <i>ERFC began using composite rates effective July 1, 1999</i> |                   |          |       |                         |          |       |
| 2000   | 2.00              | 4.99     | 6.99  |                         |          |       |
| 2001   | 2.00              | 3.69     | 5.69  |                         |          |       |
| 2002   | 2.00              | 3.69     | 5.69  |                         |          |       |
| 2003   | 2.00              | 4.00     | 6.00  |                         |          |       |
| 2004   |                   |          |       |                         |          |       |
| 7/1 to 5/30  | 2.00              | 4.29     | 6.29  |                         |          |       |
| 6/1 to 6/30  | 4.00              | 2.53     | 6.53  |                         |          |       |
| 2005   | 4.00              | 3.37     | 7.37  |                         |          |       |
| 2006   | 4.00              | 3.37     | 7.37  |                         |          |       |
| 2007   | 4.00              | 3.37     | 7.37  |                         |          |       |
| 2008   | 4.00              | 3.37     | 7.37  |                         |          |       |
| 2009   | 4.00              | 3.37     | 7.37  |                         |          |       |
| 2010   | 4.00              | 3.20     | 7.20  |                         |          |       |

## Summary of Plan Changes

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There were no significant plan changes during the valuation period ending December 31, 2009.



# Statistical Section

## Financial Trends Information

Net Assets

Changes in Net Assets

Assets and Liabilities Comparative Statement

Benefit Deductions by Type

Benefit Refunds by Type

## Operating Information

Retired Members by Type of Benefit

Average Benefit Payments by Years of Service

Average Composite Monthly Benefit Payments

Current Benefits by Attained Ages

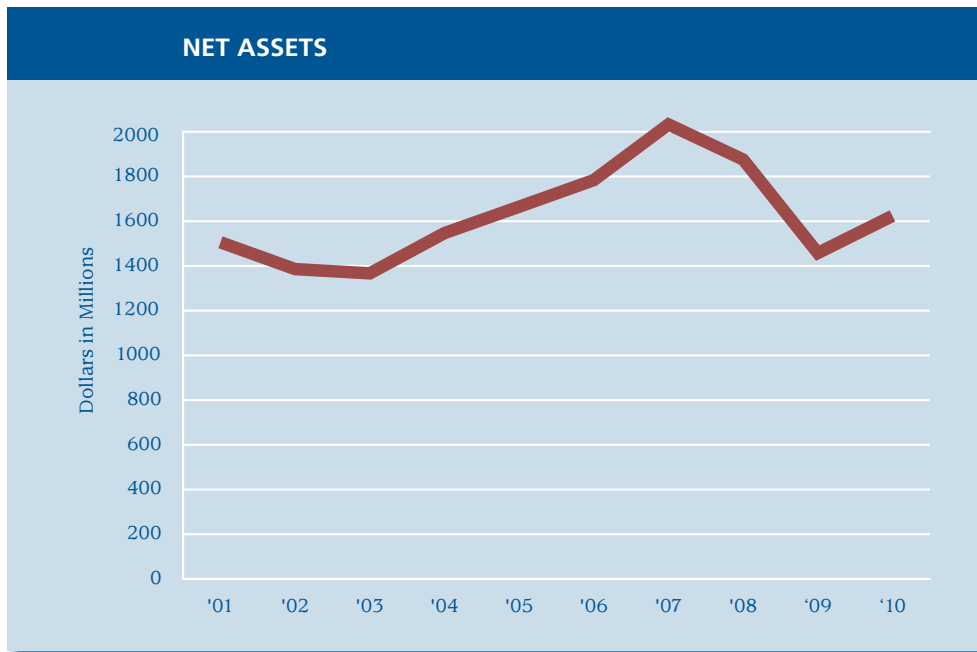
Deferred Benefits by Attained Ages



# Net Assets

Last Ten Fiscal Years

| FISCAL YEARS | NET ASSETS       |
|--------------|------------------|
| 2001         | \$ 1,488,764,682 |
| 2002         | 1,369,372,874    |
| 2003         | 1,349,792,227    |
| 2004         | 1,528,120,115    |
| 2005         | 1,647,713,156    |
| 2006         | 1,766,534,921    |
| 2007         | 2,015,738,092    |
| 2008         | 1,858,571,973    |
| 2009         | 1,441,434,430    |
| 2010         | 1,607,663,423    |

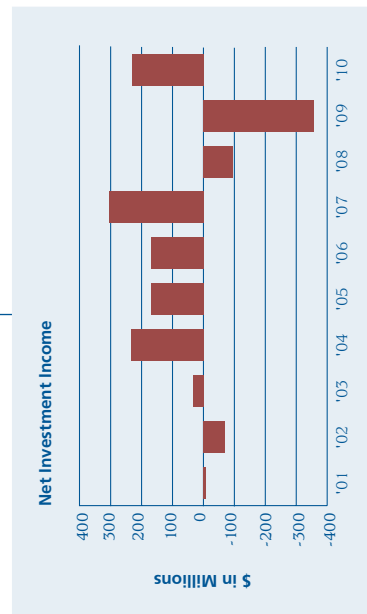


# Changes in Net Assets

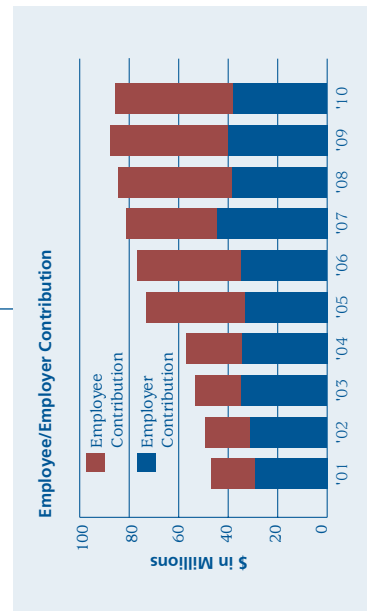
Last Ten Fiscal Years

|   | 2001                   | 2002                    | 2003                   | 2004                  | 2005                  | 2006                  | 2007                  | 2008                    | 2009                    | 2010                  |
|---|------------------------|-------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|-------------------------|-----------------------|
| <b>ADDITIONS</b>                            |                        |                         |                        |                       |                       |                       |                       |                         |                         |                       |
| Employee contributions                      | \$ 17,744,273          | \$ 18,472,712           | \$ 18,750,568          | \$ 22,340,870         | \$ 59,818,585         | \$ 42,292,828         | \$ 44,453,617         | \$ 46,143,803           | \$ 47,996,408           | \$ 47,918,341         |
| Employer contributions                      | 29,145,883             | 30,849,067              | 34,506,630             | 37,331,203            | 52,198,596            | 34,648,918            | 36,644,001            | 38,334,140              | 40,012,480              | 37,868,623            |
| Investment income (net of expenses)         | (7,290,226)            | (69,121,464)            | 32,857,465             | 233,807,964           | 168,479,920           | 169,944,356           | 304,119,327           | (96,855,060)            | (357,672,266)           | 231,574,404           |
| Fixed assets                                | —                      | —                       | —                      | —                     | —                     | —                     | 27,632                | —                       | (5,494)                 | —                     |
| <b>Total additions to plan net assets</b>   | <b>39,599,930</b>      | <b>(19,799,685)</b>     | <b>86,114,663</b>      | <b>293,480,037</b>    | <b>240,497,101</b>    | <b>246,886,102</b>    | <b>385,244,577</b>    | <b>(12,377,117)</b>     | <b>(269,668,872)</b>    | <b>317,561,368</b>    |
| <b>DEDUCTIONS</b>                           |                        |                         |                        |                       |                       |                       |                       |                         |                         |                       |
| Benefit payments                            | 79,969,985             | 94,247,498              | 100,979,864            | 110,236,424           | 114,999,379           | 121,687,318           | 128,739,638           | 135,927,308             | 139,594,144             | 143,128,569           |
| Contribution refunds                        | 2,092,580              | 2,153,958               | 1,848,428              | 1,996,947             | 2,794,118             | 3,087,501             | 3,583,007             | 4,229,850               | 3,975,907               | 3,339,910             |
| Administrative expenses                     | 3,759,617              | 3,190,667               | 2,867,018              | 2,918,778             | 3,110,563             | 3,289,518             | 3,718,761             | 4,631,844               | 3,898,620               | 4,663,896             |
| <b>Total deductions to plan net assets</b>  | <b>85,822,182</b>      | <b>99,592,123</b>       | <b>105,695,310</b>     | <b>115,152,149</b>    | <b>120,904,060</b>    | <b>128,064,337</b>    | <b>136,041,406</b>    | <b>144,789,002</b>      | <b>147,468,671</b>      | <b>151,132,375</b>    |
| <b>Change in net assets net of expenses</b> | <b>\$ (46,222,252)</b> | <b>\$ (119,391,808)</b> | <b>\$ (19,580,647)</b> | <b>\$ 178,327,888</b> | <b>\$ 119,593,041</b> | <b>\$ 118,821,765</b> | <b>\$ 249,203,171</b> | <b>\$ (157,166,119)</b> | <b>\$ (417,137,543)</b> | <b>\$ 166,228,993</b> |

**ADDITIONS BY SOURCE**



**DEDUCTIONS BY TYPE**



# Assets and Liabilities Comparative Statement

Last 20 Years—Dollars in Thousands

| Valuation Date | Active Member Payroll | Computed Liabilities |            |            | Valuation Assets | [Excess of Assets] Unfunded Accrued Liabilities | Funded Percent |
|----------------|-----------------------|----------------------|------------|------------|------------------|---|----------------|
|                |                       | Retired              | Members    | Total      |                  |   |                |
| 6/30/1990      | \$ 411,970            | \$ 240,122           | \$ 404,751 | \$ 644,873 | \$ 461,450       | \$ 183,423                                      | 71.6%          |
| 6/30/1991      | 451,873               | 285,618              | 432,109    | 717,727    | 510,825          | 206,902   | 71.2           |
| 6/30/1992      | 447,474               | 318,072              | 445,498    | 763,570    | 563,644          | 199,926   | 73.8           |
| @# 6/30/1993   | 450,530               | 344,160              | 564,207    | 908,367    | 717,701          | 190,666   | 79.0           |
| 6/30/1994      | 480,995               | 374,849              | 597,230    | 972,079    | 766,480          | 205,599   | 78.8           |
| \$ 6/30/1995   | 521,044               | 395,249              | 677,287    | 1,072,536  | 839,930          | 232,606   | 78.3           |
| 6/30/1996      | 531,060               | 436,181              | 694,363    | 1,130,544  | 934,571          | 195,973   | 82.7           |
| 6/30/1997      | 553,709               | 464,345              | 751,022    | 1,215,367  | 1,045,412        | 169,955   | 86.0           |
| # 6/30/1998    | 582,755               | 490,261              | 788,111    | 1,278,372  | 1,194,556        | 83,816  | 93.4           |
| 6/30/1999      | 626,015               | 539,917              | 805,742    | 1,345,659  | 1,365,417        | (19,758)  | 101.5          |
| 6/30/2000      | 678,937               | 614,739              | 752,632    | 1,367,371  | 1,505,231        | (137,860)                                       | 110.1          |
| \$ 6/30/2001   | 759,906               | 667,605              | 884,953    | 1,552,558  | 1,599,219        | (46,661)  | 103.0          |
| 6/30/2002      | 781,756               | 699,251              | 994,705    | 1,693,956  | 1,619,889        | 74,067  | 95.6           |
| \$ 6/30/2003   | 866,502               | 903,963              | 868,455    | 1,772,418  | 1,597,459        | 174,959   | 90.1           |
| 12/31/2004     | 977,817               | 1,043,677            | 853,565    | 1,897,242  | 1,640,216        | 257,026   | 86.5           |
| # 12/31/2004   | 977,817               | 1,083,988            | 851,594    | 1,935,582  | 1,643,020        | 292,562   | 84.9           |
| 12/31/2005     | 1,050,271             | 1,130,378            | 892,584    | 2,022,962  | 1,718,399        | 304,563   | 84.9           |
| 12/31/2006     | 1,111,828             | 1,176,979            | 928,573    | 2,105,552  | 1,818,930        | 286,662   | 86.4           |
| 12/31/2007     | 1,161,432             | 1,221,969            | 964,832    | 2,186,801  | 1,924,886        | 261,915   | 88.0           |
| @ 12/31/2008   | 1,211,140             | 1,237,613            | 1,017,685  | 2,255,298  | 1,733,946        | 521,352   | 76.9           |
| 12/31/2009     | 1,208,093             | 1,264,675            | 1,049,607  | 2,314,282  | 1,769,540        | 544,742   | 76.5           |

@ After change in asset valuation method.

\$ After change in benefits.

# After changes in actuarial assumptions.

# Benefit Deductions from Net Assets by Type

Last Ten Years

|                       | Service Benefits |               |        | Death Benefits |        | Disability Benefits |          |            |        | Total        |              |               |
|-----------------------|------------------|---------------|--------|----------------|--------|---------------------|----------|------------|--------|--------------|--------------|---------------|
|                       | Normal           | Early         |        | Duty/Non-Duty  |        | Duty                | Non-Duty |            |        | Participants | Benefits     |               |
|                       | Number           | Amount        | Number | Amount         | Number | Amount              | Number   | Amount     | Number | Amount       | Participants | Benefits      |
| <b>Fiscal Years</b>   |                  |               |        |                |        |                     |          |            |        |              |              |               |
| 2000                  | 2,729            | \$ 46,386,613 | 2,326  | \$ 22,480,107  | 52     | \$ 351,142          | 23       | \$ 260,556 | 214    | \$ 1,069,656 | 5,344        | \$ 70,548,074 |
| 2001                  | 2,924            | 50,415,043    | 2,561  | 23,851,414     | 54     | 380,950             | 23       | 268,374    | 204    | 1,006,855    | 5,766        | 75,922,636    |
| 2002                  | 3,286            | 59,760,307    | 2,787  | 25,449,657     | 55     | 366,736             | 33       | 312,046    | 214    | 1,096,861    | 6,375        | 86,985,607    |
| 2003                  | 3,537            | 68,619,019    | 2,857  | 26,854,190     | 116    | 793,302             | 24       | 286,818    | 195    | 969,233      | 6,729        | 97,522,562    |
| <b>Calendar Years</b> |                  |               |        |                |        |                     |          |            |        |              |              |               |
| 2004                  | 3,890            | 77,911,030    | 3,174  | 29,941,238     | 111    | 812,149             | 26       | 298,169    | 229    | 1,066,414    | 7,430        | 110,029,000   |
| 2005                  | 3,989            | 81,734,466    | 3,364  | 32,279,036     | 110    | 850,781             | 27       | 309,656    | 220    | 1,049,826    | 7,710        | 116,223,765   |
| 2006                  | 4,156            | 87,010,607    | 3,513  | 34,096,345     | 112    | 910,194             | 27       | 318,947    | 221    | 1,066,747    | 8,029        | 123,402,840   |
| 2007                  | 4,334            | 91,777,998    | 3,658  | 36,100,474     | 120    | 1,048,496           | 26       | 322,317    | 216    | 1,057,794    | 8,354        | 130,307,079   |
| 2008                  | 4,476            | 94,522,827    | 3,760  | 37,401,953     | 124    | 1,059,054           | 25       | 319,262    | 210    | 1,043,164    | 8,595        | 134,346,260   |
| 2009                  | 4,615            | 96,983,027    | 3,791  | 38,266,346     | 134    | 1,105,438           | 24       | 294,234    | 208    | 1,043,259    | 8,772        | 137,692,304   |
| <b>Fiscal Years</b>   |                  |               |        |                |        |                     |          |            |        |              |              |               |
| 2010                  | 4,600            | 100,020,271   | 3,783  | 40,614,214     | 145    | 1,167,515           | 23       | 308,454    | 194    | 1,018,115    | 8,745        | 143,128,569   |

## Benefit Refunds by Type

Last Ten Years

| Fiscal Year | Separation |              | Deaths |            | TOTAL |              |
|-------------|------------|--------------|--------|------------|-------|--------------|
|             | No.        | Amount       | No.    | Amount     | No.   | Amount       |
| 2001        | 744        | \$ 2,092,580 | n/a    | n/a        | 744   | \$ 2,092,580 |
| 2002        | 851        | 2,153,958    | n/a    | n/a        | 851   | 2,153,958    |
| 2003        | 695        | 1,717,293    | 19     | \$ 131,135 | 714   | 1,848,428    |
| 2004        | 719        | 1,840,349    | 15     | 156,598    | 734   | 1,996,947    |
| 2005        | 871        | 2,620,070    | 26     | 174,048    | 897   | 2,794,118    |
| 2006        | 818        | 2,865,448    | 20     | 222,052    | 838   | 3,087,500    |
| 2007        | 746        | 3,407,248    | 18     | 175,759    | 764   | 3,583,007    |
| 2008        | 857        | 4,064,627    | 24     | 165,223    | 881   | 4,229,850    |
| 2009        | 722        | 3,644,789    | 25     | 331,118    | 747   | 3,975,907    |
| 2010        | 648        | 3,201,604    | 15     | 138,306    | 663   | 3,339,910    |

*n/a — Information not readily available*

## Retired Members by Type of Benefit

(As of December 31, 2009)

| Amount of Monthly Benefit | Number of Retired Members | Type of Retirement* |              |           |            |           | Basic Benefit | Option Selected** |            |            |           |              |
|---------------------------|---------------------------|---------------------|--------------|-----------|------------|-----------|---------------|-------------------|------------|------------|-----------|--------------|
|                           |                           | 1                   | 2            | 3         | 4          | 5         |               | 1                 | 2          | 3          | 4         | 5            |
| \$ 1-\$ 250               | 1,543                     | 214                 | 1,243        | 23        | 53         | 10        | 1,133         | 55                | 7          | 29         | 12        | 307          |
| 251-500                   | 1,205                     | 311                 | 773          | 12        | 104        | 5         | 840           | 43                | 14         | 22         | 18        | 268          |
| 501-750                   | 766                       | 326                 | 404          | 12        | 24         | —         | 550           | 16                | 13         | 25         | 11        | 151          |
| 751-1,000                 | 822                       | 508                 | 292          | 4         | 18         | —         | 596           | 18                | 19         | 30         | 7         | 152          |
| 1,001-1,250               | 697                       | 490                 | 195          | 5         | 7          | —         | 556           | 7                 | 9          | 28         | 7         | 90           |
| 1,251-1,500               | 587                       | 450                 | 132          | 3         | 2          | —         | 431           | 11                | 14         | 32         | 3         | 96           |
| 1,501-1,750               | 519                       | 394                 | 122          | 2         | —          | 1         | 387           | 6                 | 13         | 25         | 2         | 86           |
| 1,751-2,000               | 375                       | 267                 | 104          | 2         | —          | 2         | 251           | 8                 | 7          | 23         | 2         | 84           |
| Over 2,000                | 2,258                     | 1,698               | 550          | 4         | —          | 6         | 980           | 85                | 12         | 129        | 22        | 1,030        |
| <b>Total</b>              | <b>8,772</b>              | <b>4,658</b>        | <b>3,815</b> | <b>67</b> | <b>208</b> | <b>24</b> | <b>5,724</b>  | <b>249</b>        | <b>108</b> | <b>343</b> | <b>84</b> | <b>2,264</b> |

**\* TYPE OF RETIREMENT:**

1 Full Service

2 Reduced Service

3 Ordinary Death

4 Ordinary Disability

5 Service Connected Disability

**\*\* OPTION SELECTED:**

Basic Benefit

1 Beneficiary receives 100% of member's reduced monthly benefit

2 Beneficiary receives 67% of member's reduced monthly benefit

3 Beneficiary receives 50% of member's reduced monthly benefit

4 Beneficiary receives a specified number of payments equal to 120 minus the number of payments the member has received.

5 Member receives partial lump sum and reduced monthly benefit

*Note: The source of information presented above is from the most recent actuarial valuation report.*

## Average Benefit Payments by Years of Service

|                                   | YEARS CREDITED SERVICE |             |             |             |             |             |
|-----------------------------------|------------------------|-------------|-------------|-------------|-------------|-------------|
|                                   | 5-10                   | 10-15       | 15-20       | 20-25       | 25-30       | 30+         |
| <b>Retirement Effective Dates</b> |                        |             |             |             |             |             |
| <b>Period 1/1/05 to 12/31/05</b>  |                        |             |             |             |             |             |
| Avg Monthly Benefit               | \$ 234.91              | \$ 406.79   | \$ 617.89   | \$ 828.81   | \$ 2,388.75 | \$ 2,557.08 |
| Avg Final Average Salary          | \$ 4,466.69            | \$ 4,914.15 | \$ 4,924.77 | \$ 5,230.64 | \$ 6,541.46 | \$ 6,989.21 |
| No. of Retired Members            | 62                     | 59          | 103         | 48          | 128         | 60          |
| <b>Period 1/1/06 to 12/31/06</b>  |                        |             |             |             |             |             |
| Avg Monthly Benefit               | \$ 205.22              | \$ 394.76   | \$ 647.03   | \$ 880.16   | \$ 2,436.76 | \$ 2,596.68 |
| Avg Final Average Salary          | \$ 4,218.58            | \$ 4,440.82 | \$ 5,200.61 | \$ 5,547.99 | \$ 6,707.84 | \$ 7,076.66 |
| No. of Retired Members            | 54                     | 83          | 87          | 60          | 162         | 61          |
| <b>Period 1/1/07 to 12/31/07</b>  |                        |             |             |             |             |             |
| Avg Monthly Benefit               | \$ 247.08              | \$ 413.63   | \$ 691.25   | \$ 943.45   | \$ 2,425.67 | \$ 2,757.24 |
| Avg Final Average Salary          | \$ 4,806.27            | \$ 4,496.84 | \$ 5,343.67 | \$ 5,809.65 | \$ 6,778.91 | \$ 7,061.31 |
| No. of Retired Members            | 56                     | 78          | 97          | 69          | 155         | 59          |
| <b>Period 1/1/08 to 12/31/08</b>  |                        |             |             |             |             |             |
| Avg Monthly Benefit               | \$ 273.32              | \$ 360.11   | \$ 730.56   | \$ 905.71   | \$ 2,442.16 | \$ 2,721.16 |
| Avg Final Average Salary          | \$ 4,807.02            | \$ 4,918.32 | \$ 5,626.34 | \$ 5,648.77 | \$ 6,985.58 | \$ 7,405.08 |
| No. of Retired Members            | 64                     | 60          | 80          | 45          | 146         | 49          |
| <b>Period 1/1/09 to 12/31/09</b>  |                        |             |             |             |             |             |
| Avg Monthly Benefit               | \$ 237.69              | \$ 390.72   | \$ 791.10   | \$ 1,067.98 | \$ 2,451.95 | \$ 2,782.62 |
| Avg Final Average Salary          | \$ 4,839.74            | \$ 4,776.32 | \$ 5,974.65 | \$ 6,496.54 | \$ 7,376.69 | \$ 7,595.88 |
| No. of Retired Members            | 58                     | 63          | 58          | 59          | 115         | 56          |



# Average Composite Monthly Benefit Payments for Retirees

Last Ten Years

## By Type of Benefit Being Paid

|               | Year | Service Retirement | Reduced Service | Ordinary Disability |
|---------------|------|--------------------|-----------------|---------------------|
| Fiscal Year   | 2000 | \$ 1,416           | \$ 805          | \$ 468              |
|               | 2001 | 1,437              | 776             | 468                 |
|               | 2002 | 1,516              | 761             | 475                 |
|               | 2003 | 1,617              | 783             | 478                 |
| Calendar Year | 2004 | 1,663              | 784             | 446                 |
|               | 2005 | 1,707              | 800             | 459                 |
|               | 2006 | 1,745              | 809             | 466                 |
|               | 2007 | 1,765              | 822             | 475                 |
|               | 2008 | 1,760              | 829             | 469                 |
|               | 2009 | 1,751              | 841             | 480                 |

# Retirees and Beneficiaries Current Annual Benefits Tabulated by Attained Ages

(As of December 31, 2009)

| Attained Ages | Total        |                       |
|---------------|--------------|-----------------------|
|               | No.          | Annual Amount         |
| Under 40      | 6            | \$ 29,740             |
| 40 - 44       | 5            | 10,726                |
| 45            | 1            | 753                   |
| 46            | 6            | 18,159                |
| 47            | 3            | 13,752                |
| 49            | 3            | 92,871                |
| 50            | 7            | 92,260                |
| 51            | 5            | 57,109                |
| 52            | 12           | 186,111               |
| 53            | 19           | 374,526               |
| 54            | 33           | 786,785               |
| 55            | 103          | 2,054,659             |
| 56            | 141          | 3,075,908             |
| 57            | 207          | 4,564,003             |
| 58            | 249          | 5,545,721             |
| 59            | 309          | 6,683,448             |
| 60            | 365          | 8,571,489             |
| 61            | 455          | 10,165,257            |
| 62            | 568          | 12,365,627            |
| 63            | 582          | 12,106,139            |
| 64            | 470          | 9,316,676             |
| 65            | 514          | 10,909,405            |
| 66            | 424          | 4,789,729             |
| 67            | 409          | 4,214,715             |
| 68            | 328          | 3,293,959             |
| 69            | 330          | 3,334,691             |
| 70 - 74       | 1,394        | 15,854,592            |
| 75 - 79       | 914          | 10,844,480            |
| 80 & up       | 910          | 8,339,014             |
| <b>Total</b>  | <b>8,772</b> | <b>\$ 137,692,304</b> |

*Note: This source of information presented is from the most recent actuarial valuation report.*

## Inactive Vested Members Deferred Benefits by Attained Ages

(As of December 31, 2009)

| Attained Ages | Total        |                     |
|---------------|--------------|---------------------|
|               | No.          | Annual Amount       |
| 27            | 2            | \$ 4,994            |
| 28            | 19           | 63,248              |
| 29            | 22           | 63,267              |
| 30            | 37           | 114,527             |
| 31            | 59           | 148,692             |
| 32            | 75           | 172,648             |
| 33            | 78           | 174,425             |
| 34            | 85           | 187,557             |
| 35            | 111          | 229,213             |
| 36            | 99           | 214,949             |
| 37            | 113          | 242,634             |
| 38            | 120          | 276,420             |
| 39            | 127          | 273,864             |
| 40            | 122          | 285,488             |
| 41            | 121          | 297,868             |
| 42            | 111          | 252,927             |
| 43            | 88           | 172,249             |
| 44            | 93           | 207,952             |
| 45            | 86           | 186,306             |
| 46            | 88           | 217,024             |
| 47            | 71           | 160,699             |
| 48            | 65           | 223,335             |
| 49            | 67           | 159,205             |
| 50            | 70           | 222,727             |
| 51            | 57           | 184,032             |
| 52            | 56           | 168,901             |
| 53            | 76           | 260,751             |
| 54            | 80           | 246,957             |
| 55            | 46           | 126,151             |
| 56            | 54           | 149,167             |
| 57            | 51           | 163,275             |
| 58            | 49           | 164,951             |
| 59            | 41           | 135,120             |
| 60            | 26           | 85,433              |
| 61            | 30           | 152,943             |
| 62            | 21           | 97,398              |
| 63            | 20           | 74,565              |
| 64            | 19           | 75,885              |
| 65 & over     | 16           | 44,024              |
| <b>Total</b>  | <b>2,571</b> | <b>\$ 6,681,771</b> |

*Note: This source of information presented is from the most recent actuarial valuation report.*

STATISTICAL



THE EDUCATIONAL EMPLOYEES'  
SUPPLEMENTARY RETIREMENT SYSTEM  
*of Fairfax County*

## THE ABC'S OF ORCHESTRATION AND INVESTING

Appreciation · Best Practices · Commitments · Due Diligence  
Energy · Fears · Guidance · High Notes · Innovation · Judgment  
Knowledge · Leadership · Maturity · Notes · Order · Performance  
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Vested Interest · Worth · eXaminations · Yields · Zeal

The ERFC bows low to the educators whose patient expertise and best practices with the young musicians of Fairfax County Public Schools yield such high quality results! ERFC's Board and administrative staff strive to achieve similar success by adhering to sound investment practices and stringent due diligence.

With special thanks to our featured performers from:

Hybla Valley Elementary, Silverbrook Elementary, Mark Twain Middle School, Oakton High School, Lake Braddock Secondary and the marching bands from Mount Vernon High School and Hayfield Secondary.



Educational Employees'  
Supplementary Retirement System  
of Fairfax County

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