

# FIRE & POLICE EMPLOYEES' RETIREMENT SYSTEM

City of Baltimore, Maryland



## Comprehensive Annual Financial Report

A Component Unit of the  
City of Baltimore, Maryland  
Year Ended June 30, 2010

# **FIRE & POLICE EMPLOYEES' RETIREMENT SYSTEM**

City of Baltimore, Maryland



## **Comprehensive Annual Financial Report**

A Component Unit of the  
City of Baltimore, Maryland  
Year Ended June 30, 2010

Prepared by:  
Thomas P. Taneyhill, CPA  
Executive Director

David A. Randall  
Accounting Manager

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
 Comprehensive Annual Financial Report  
 For the Year Ended June 30, 2010

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# Introductory Section



# Certificate of Achievement for Excellence in Financial Reporting

Presented to

Fire and Police Employees'  
Retirement System,  
City of Baltimore, Maryland

For its Comprehensive Annual

Financial Report

for the Fiscal Year Ended

June 30, 2009

A Certificate of Achievement for Excellence in Financial Reporting is presented by the Government Finance Officers Association of the United States and Canada to government units and public employee retirement systems whose comprehensive annual financial reports (CAFRs) achieve the highest standards in government accounting and financial reporting.



President

Executive Director

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## CITY OF BALTIMORE

STEPHANIE RAWLINGS-BLAKE, Mayor



## FIRE AND POLICE EMPLOYEES' RETIREMENT SYSTEM

THOMAS P. TANEYHILL, CPA, Executive Director  
7 E. Redwood Street  
19th Floor  
Baltimore, Maryland 21202

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December 31, 2010

The Honorable Members of the Board of Trustees  
Fire and Police Employees' Retirement System  
Baltimore, Maryland

The Fire and Police Employees' Retirement System of the City of Baltimore (F&P, Plan, System) has just completed its forty-eighth year of service to the uniformed officers of the Baltimore City Fire and Police Departments. On behalf of the dedicated staff that serves the System's membership, I am pleased to submit the Comprehensive Annual Financial Report of the F&P for the fiscal year ended June 30, 2010. The System's administration is responsible for both the accuracy of the data and the completeness of the presentation, including all disclosures. To the best of my knowledge and belief, the enclosed data is accurate in all material respects and is reported in a manner designed to present fairly the financial position and results of operations of the F&P. The F&P is a component unit of the City of Baltimore.

This report consists of five sections: the Introductory Section which contains the Letter of Transmittal, the Chairman's Report, the identification of the Board of Trustees (Board), the Organization Chart, and the identification of the professionals who provide services to the Board; the Financial Section which contains the Independent Auditor's Report, the Management's Discussion and Analysis, the financial statements of the System and certain required supplementary information; the Investment Section which contains the Investment Advisor's Report on Investment Activity, Investment Objectives and Policies, Investment Results, various investment schedules, and a Schedule of Investment Professionals; the Actuarial Section which contains the independent Actuary's Disclosure Certification, assumption tables, schedules of valuation data, and a Summary of Plan Provisions; and the Statistical Section which contains data pertaining to active and retired members of the System and benefit expenses.

Established July 1, 1962, by City ordinance, the F&P is a defined benefit plan that covers all uniformed officers of the Baltimore City Fire and Police Departments. The Plan also covers certain Maryland Aviation Administration firefighter/paramedics and certain Maryland Transportation Authority police officers. These State of Maryland employees were grandfathered into F&P plan coverage by State law.

All System-related administrative and benefit provisions are established by City ordinance, as contained in Article 22 of the Baltimore City Code, and may be amended only by the Mayor and City Council. The F&P provides normal service retirement benefits for members who attain the required age and/or service requirements, and now due to plan amendments passed in June 2010, early service retirement benefits. Coverage for line-of-duty disability benefits is immediate upon entry into the System. Disability benefits for non-duty-related injury or illness are provided after the attainment of five years of membership. Line-of-duty death benefits are provided upon membership for any member whose death results from an injury occurring in the actual performance of duty. After one year of System service, members are also covered for non-duty-related death benefits. Members who do not reach normal or early service retirement benefit eligibility remain vested only in their accumulated member contributions and interest credits, which are payable to the member upon termination from employment. A Deferred Retirement Option Plan (DROP) is available to members who entered the F&P prior to July 1, 2003, and who attained twenty or more years of service as of December 31, 2009. Members who do not meet the eligibility requirements for DROP may become eligible to participate in DROP 2 that commenced January 1, 2010. More information concerning the benefit provisions, DROP, and DROP 2 can be found in the Summary of

Plan Provisions beginning on page 75.

### **Major Initiatives**

The Board concluded its search for investment consulting services as the Board's contract with its investment advisor, the Summit Strategies Group, was to expire on September 30, 2009. The Board issued an RFP and interviewed three candidates out of the ten respondents. As a result of the search, the Board elected to renew its contract with Summit Strategies Group effective October 1, 2009.

The City Council approved and the Mayor signed the DROP 2 provisions into law in August 2009 with an effective date of January 1, 2010. Members who had not acquired 20 years of service credit required for DROP eligibility as of December 31, 2009, become eligible for DROP 2 upon meeting the new eligibility requirements. The passage of DROP 2 is intended to save the City \$5.0 million per year commencing with fiscal year 2013.

Following the unsuccessful introduction of legislation to amend the post-retirement increase provisions by the former City administration in fiscal year 2009, Mayor Stephanie Rawlings-Blake, the then President of the City Council, requested that the F&P benefit provisions, administrative structures, and investment policies be reviewed by the Greater Baltimore Committee (GBC), an independent group composed of Baltimore industry leaders. The GBC commenced its work in the summer of 2009 and issued its report Task Force on Sustainable Funding of Baltimore's Fire and Police Pension System in the third quarter of fiscal year 2010. The GBC noted that meaningful reforms are needed to preserve the pension system for Baltimore's police and fire officers. The committee further noted that the financial credibility of the City and the City's ability to attract qualified police and fire personnel are at stake and that Baltimore, along with many jurisdictions facing financial crises with their pension plans, must act decisively to address its fire and police pension issues.

On April 19, 2010, the City administration first introduced for consideration by the City Council F&P pension reform legislation that incorporated many of the recommendations detailed in the GBC report. This first pension reform bill was replaced by a second City Council bill, introduced on June 7, 2010, and passed on June 22, 2010; the second bill modified certain provisions of the first bill, taking into account many of the GBC report recommendations and conclusions of a second report commissioned by the City, the June 7, 2010 Financial Evaluation of the F&P issued by Public Financial Management, Inc. The second bill was amended by a third bill introduced on July 12, 2010 and passed on August 10, 2010, that clarified certain changes as they relate to the "grandfather" rules applicable to the plan amendments. See the Summary of Plan Provisions beginning on page 75 for the new plan provisions.

On June 3, 2010, the fire and police unions and certain individual members and retirees filed suit against the City of Baltimore and the F&P Board of Trustees in the United States District Court for the District of Maryland (Northern Division). The suit, amended on September 20, 2010, alleges the City impaired the contract between the members and the City with the enactment of the pension reform legislation, the City failed to adequately fund the System, and the F&P Board of Trustees acted improperly in the pursuit of its duties. See note 8 to financial statements on page 35 for more information.

### **Financial Information**

This report has been prepared in accordance with the principles of governmental accounting and reporting promulgated by the Governmental Accounting Standards Board. The accrual basis of accounting is used to record assets and liabilities, revenues and expenses. Revenues are recorded when earned, regardless of the date of collection. Expenses are recorded when liabilities are incurred, regardless of when payment is made.

Accounting principles generally accepted in the United States require that management provide a narrative introduction, an overview, and an analysis to accompany the basic financial statements in the form of Management's Discussion and Analysis (MD&A). This letter of transmittal is designed to complement the MD&A and should be read in conjunction with it. The MD&A begins on page 18 immediately following the report of the independent auditor in the Financial Section of this report.

The System's administration is responsible for establishing and maintaining an internal control structure designed to ensure that the assets of the F&P are protected from loss, theft, or misuse and to ensure that adequate accounting data are compiled to allow for the preparation of financial statements in conformity with accounting principles generally accepted in the United States. The internal control structure is designed to provide reasonable, but not absolute, assurance that these objectives are met. The concept of reasonable assurance recognizes that the cost of a control should not exceed the benefits likely to be derived, and that the valuation of costs and benefits requires estimates and judgments by the System's management. Sufficient internal accounting controls exist to provide reasonable assurance regarding the safekeeping of assets and the fair presentation of the financial statements and supporting schedules.

### **Investments**

As provided for in the plan provisions, the Board of Trustees is authorized to invest the System's assets and to take appropriate action regarding the investment, management, and custodianship of plan assets. The investment responsibilities of the Board include establishing reasonable investment objectives, developing investment policy guidelines, selecting investment managers, and evaluating performance results to assure adherence to guidelines and the achievement of objectives. The June 2010 legislation amending the plan included a provision lowering the System's investment earnings assumption rate from 8.25% to 8.0%.

The market rally that began in the fourth quarter of fiscal year 2009 continued through the first three quarters of fiscal year 2010 as the worst recession in seven decades waned. Even though market performance of the fourth quarter of fiscal year 2010 dissipated some of the gains of the first three quarters of the fiscal year, the F&P investment portfolio still provided strong first quartile performance of 15.3% when compared to other public plans in the BNY Mellon public fund universe.

### **Plan Funding**

A ten-year history of the System's funding progress is presented on page 38. This schedule compares the actuarial value of assets to the actuarial accrued liability. This required schedule illustrates the System's funding method which smoothes the recognition of investment gains and losses by releasing net actuarial investment gains and losses at the rate of 20% each year to the actuarial value of assets. The smoothing method is employed so that the City's contribution remains stable as a percentage of member compensation, so that the City's required contribution to the F&P does not vary dramatically from year to year due to investment market volatility. Because the actuarial value of assets excludes certain legislated actuarial reserves, as explained in the following paragraph, this schedule understated the funded status of the F&P when investment gains were realized and it now overstates the Plan funded status as realized investment losses were segregated and were not released to the actuarial value of assets according to the normal five year smoothing method.

In fiscal year 1996, the System's funding method was modified by legislation that established actuarial reserves in which "excess unallocated earnings" (gains and losses) were accumulated each year separate from the reserves maintained for funding purposes. The accumulated gains and losses were shared by the City and the members according to a formula in the provisions. Specific reserved investment gains could be utilized by the City to reduce or eliminate its required contributions to the F&P. Similarly, members could elect to utilize specific reserves to improve benefits. For the first several years, gains were accumulated and were utilized by the



City to take contribution reductions and by the members to “purchase” benefit improvements. Beginning with fiscal year 2001 and through fiscal year 2003, losses were accumulated in the separate reserves due to the extraordinary downturn in the global equities markets. At June 30, 2005 net losses of \$412.8 million were accumulated. The legislation that established the separate actuarial reserves had a June 30, 2005, sunset provision which required the Board of Trustees to apply the accumulated losses in accordance with an “appropriate asset valuation method.” This caveat effectively removed the members from the sharing of the remaining losses, which then became the responsibility of the Plan and the City.

With the June 30, 2006 actuarial valuation, a ten-year amortization period was employed for the release of the accumulated losses to the actuarial value of assets and was made retroactive to the June 30, 2005 valuation. At June 30, 2010, \$150 million of the accumulated losses remains in the segregated reserves and will be released to the unallocated earnings calculation at the rate of \$37.5 million per year over the remaining four years of the amortization period.

The positive investment performance of 15.3% for fiscal year 2010 provided excess earnings of \$117.2 million above the 8.0% assumption rate. The excess earnings helped to offset in part the \$616.6 million in losses mainly accumulated from the economic downturn recorded in fiscal years 2008 and 2009 and carried forward in the actuarial schedule of unallocated earnings and losses.

At June 30, 2010, the actuarial value of assets exceeded the market value of assets by \$576.3 million. This difference decreased from \$811.0 at June 30, 2009 due to the favorable investment performance.

The funded ratio at June 30, 2010 was 83.2% on an actuarial value of assets basis and 64.2% on a market value basis. At June 30, 2009, the funded ratio was 84.8% on an actuarial value of assets basis and 58.2% on a market value of assets basis.

Due to the June 2010 legislated amendments to the plan provisions, the fiscal year 2011 employer contribution due July 1, 2010 was reduced from \$101.0 million to \$90.6 million. The City, however, made the original contribution due July 1, 2010 of \$101.0 million, plus an additional contribution of \$5.7 million for a total contribution paid of \$106.7 million in fiscal 2011. The contributions in excess of the required amount will be used to offset the accumulated unallocated losses from prior years. The fiscal year 2012 required employer contribution due July 1, 2011 increases from \$90.6 to \$99.1 million. The employer contribution is projected to increase \$8.0 million to \$10.0 million a year to \$135.0 million payable in fiscal year 2016 if the baseline earnings assumption rate of 8.0% is met.

### **Independent Audit**

The Baltimore City Code stipulates that the Board of Estimates shall select an independent auditor for the F&P and that the auditor shall report his findings annually to the Board of Estimates and to the Board of Trustees. The Board of Estimates elected to have the City Auditor render his opinion as to the fairness of the System's financial statements. The auditor's report is contained in the Financial Section of this report.

### **Professional Services**

The Board of Trustees appoints consultants and investment managers subject to approval by the City's policy making and approval body, the Board of Estimates. These professionals have been chosen based on their ability to provide services that are essential to the effective and efficient operation of the System. All of the professionals who provide service to the Board of Trustees are listed in the Introductory Section on page 13 and in the Investment Section on pages 57 to 59.

### **Certificate of Achievement**

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the Fire and Police Employees' Retirement System, City of Baltimore, Maryland for its comprehensive annual financial report for the fiscal year ended June 30, 2009. This was the twenty-seventh consecutive year (fiscal years 1983-2009) that the F&P has achieved this prestigious award. In order to be awarded a Certificate of Achievement, a governmental unit must publish an easily readable and efficiently organized comprehensive annual financial report. This report must satisfy both accounting principles generally accepted in the United States and applicable legal requirements.

A Certificate of Achievement is valid for a period of one year only. I believe that this current report continues to meet the Certificate of Achievement Program requirements. I am submitting it to the GFOA to determine its eligibility for another certificate.

### **Acknowledgments**

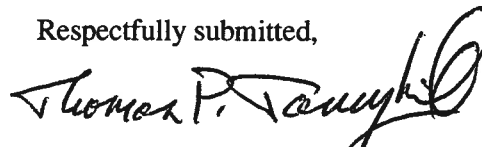
The preparation of this report could not be accomplished without the dedicated efforts of the System's accounting staff, investment advisor, and actuarial consultant. I would like to express my appreciation to all who assisted and contributed to its preparation.

This report is intended to provide complete and reliable information as a basis for making management decisions, as a means of determining compliance with legal provisions, and as a means for determining responsible stewardship for the assets contributed by the members and the City of Baltimore.

This report is being forwarded to the Mayor, the President of the City Council, the Comptroller, and other members of the Board of Estimates, to all members of the City Council, and to the Fire and Police Departments so that all members of the F&P will have the opportunity to review it. Hopefully, the administration of the City and the membership of the System will find this report both informative and helpful.

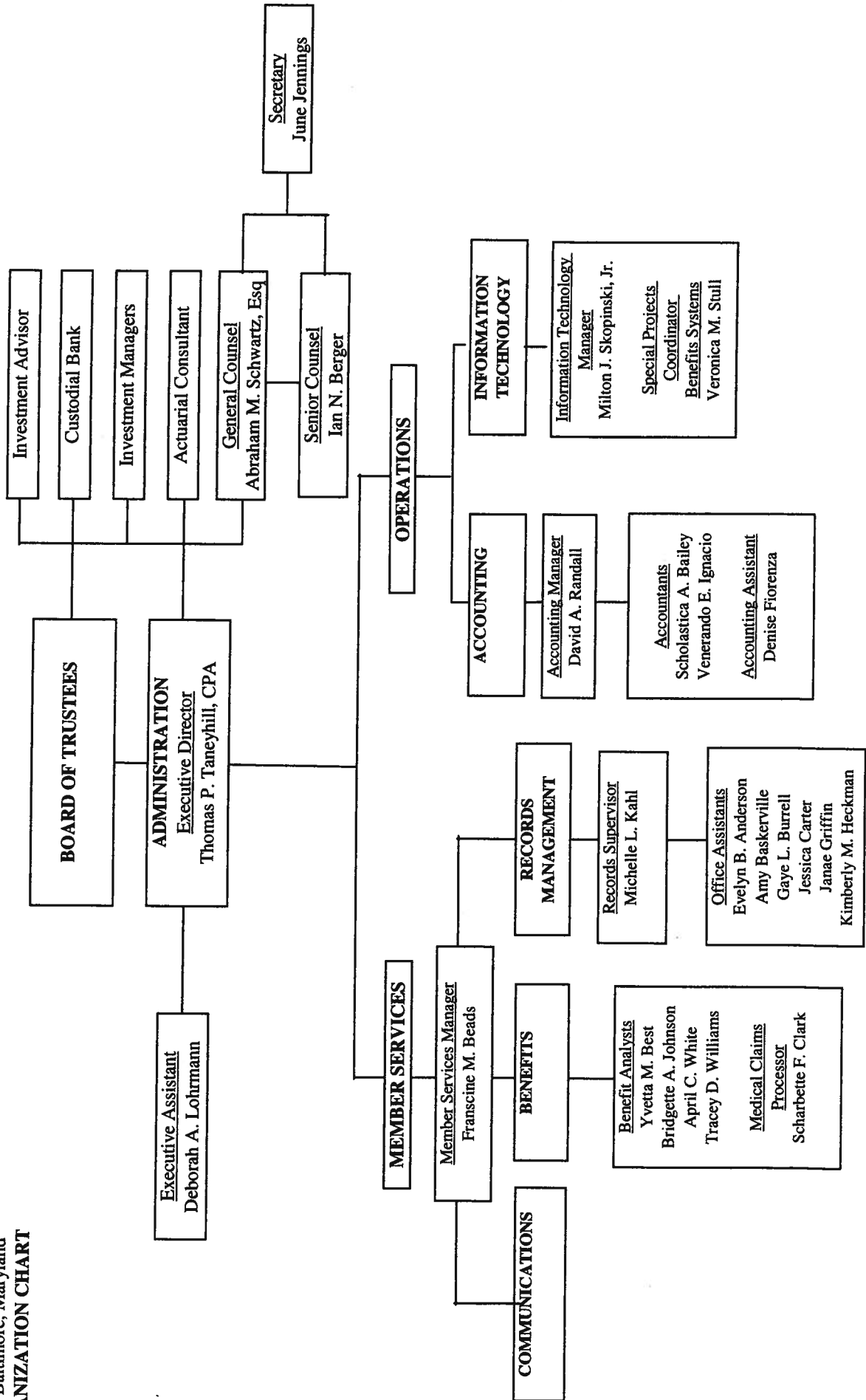
I would like to take this opportunity to express my gratitude to the Board of Trustees, the dedicated F&P staff, the System's consultants, investment managers and advisors, all of whom continue to work diligently to assure the successful operation of the System.

Respectfully submitted,



Thomas P. Taneyhill, CPA  
Executive Director

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**ORGANIZATION CHART**



Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**BOARD OF TRUSTEES**

Theodore I. Weintraub, Chairman  
Major, Retired  
Baltimore City Police Department

Elected by Retired Police Department members  
Term expires June 30, 2012  
Member of Investment Committee

Peter E. Keith, Esquire, Vice-Chairman  
Partner  
Gallagher, Evelius & Jones, LLP  
Baltimore, Maryland

Appointed by the Mayor  
Term expires December 13, 2011  
Member of the Investment Committee

Steven E. Histon  
Police Sergeant  
Baltimore City Police Department

Elected by active Police Department members  
Term expires June 30, 2012

Deborah A. Owens  
Deputy Commissioner  
Baltimore City Police Department

Ex-officio  
Appointed by Police Commissioner Frederick Bealefeld

Joan M. Pratt, CPA  
Comptroller  
City of Baltimore

Ex-officio  
Member of the Investment Committee

Edward J. Gallagher  
Director of Finance  
City of Baltimore

Ex-officio

James S. Clack  
Fire Chief  
Baltimore City Fire Department

Ex-officio

Joseph F. Machovec  
Lieutenant, Retired  
Baltimore City Fire Department

Elected by the Retired Fire Department members  
Term expires June 30, 2014

William "Ray" Hudson  
Fire Captain  
Baltimore City Fire Department

Elected by the active Fire Department members  
Term expires June 30, 2014  
Member of the Investment Committee

Vacancy

Appointment by the Mayor

Vacancy

Appointment by the Mayor

The ex-officio members to the Board are the City Comptroller, the Director of Finance, the Police Commissioner and the Fire Chief, all of whom may appoint a Deputy to represent her or him on the Board. Elected active and retired member Trustees serve four-year terms. There are no term limits for elected Trustees. Trustees appointed by the Mayor serve terms concurrent with the Mayor's term. Appointed Trustees continue to serve until replaced by the Mayor, or until the expiration of two consecutive full terms. The Board Chairman, Vice-Chairman, and members of the Investment Committee are elected by the members of the Board of Trustees.

CITY OF BALTIMORE

STEPHANIE RAWLINGS-BLAKE, Mayor



FIRE AND POLICE EMPLOYEES'  
RETIREMENT SYSTEM

THOMAS P. TANEYHILL, CPA, Executive Director  
7 E. Redwood Street  
19th Floor  
Baltimore, Maryland 21202

December 14, 2010

To All Members, Retirees, and Beneficiaries  
Fire and Police Employees' Retirement System

The fiscal year ended June 30, 2010, was another year of tremendous change for the Fire and Police Employees' Retirement System. On a very positive note, the System's investment performance exceeded 15 percent for the fiscal year. This performance provided some needed recovery from the negative 21.9 percent investment performance of the preceding fiscal year brought on by the credit crisis and the global economic meltdown. The Board's asset allocation plan provided for dramatic recovery in the domestic and international equity classes and the fixed income class of investments. Despite signs of recovery in the second half of the fiscal year, the real estate portfolio was not able to overcome the negative performance of the first half and ended negative for the year.

The Mayor and City Council enacted legislation that amended various plan provisions for current active plan participants and the post-retirement benefit increase provisions were amended for retired members and beneficiaries. Previously, retiree increases were based on investment portfolio performance and were not guaranteed by the City. Now, all previous increases and future increases will be guaranteed by the City. All future increases will be a fixed percentage dependent upon the age of the retiree or beneficiary, and the recipient must have been receiving retirement benefits for two or more years as of the June 30 prior to the January paid increase. The increases are to be phased-in with recipients age sixty-five and older as of June 30, 2010, paid 2% beginning in January 2011. Eligible recipients aged 55 to 64 will be paid 1% commencing January 2012.

Great change also came to the F&P's Board of Trustees. Retired Fire Pump Operator Ed Heckrotte stepped down from his trustee position after forty-two years of dedicated service on the Board as both an active member and as a retired member. Fire Captain Steve Fugate stepped down after 12 years of leadership service on the Board. The Board welcomes newly elected retired Fire Lt. Joe Machovec and active Fire Captain Ray Hudson, who replace Ed and Steve, respectively. The Board also welcomes new trustees Finance Director Ed Gallagher and mayoral appointee Frank Coakley.

Over the past decade, the global investment markets have challenged the funded status of the System. Please be assured that the Board will continue to work with its advisors to return the F&P to a more stable position.

Sincerely

Theodore I. Weintraub

Chairman

Board of Trustees

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**LEGAL AND GENERAL COUNSEL, ACTUARY, AND INDEPENDENT AUDITOR**

**LEGAL COUNSEL**

Law Department  
City of Baltimore  
George Nilson, Esq.  
Richard E. Kagan, Esq.

**GENERAL COUNSEL**

Fire and Police Employees' Retirement System  
City of Baltimore  
Abraham M. Schwartz, Esq.

**ACTUARY**

Mercer  
Douglas L. Rowe, F.S.A.  
Baltimore, Maryland

**INDEPENDENT AUDITOR**

Department of Audits  
City of Baltimore  
Robert L. McCarty, Jr., CPA

See pages 57 to 59 in the Investment Section for a list of investment professionals.

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# Financial Section





CITY OF BALTIMORE  
STEPHANIE RAWLINGS-BLAKE, Mayor



DEPARTMENT OF AUDITS  
ROBERT L. McCARTY, JR., CPA  
City Auditor  
100 N. Holliday Street  
Room 321, City Hall  
Baltimore, Maryland 21202  
Telephone: 410-396-4783  
Telefax: 410-545-3961

December 31, 2010

Honorable Joan M. Pratt, Comptroller  
And Other Members of the  
Board of Estimates of the  
City of Baltimore  
Board of Trustees of the  
Fire and Police Employees' Retirement System

### INDEPENDENT AUDITOR'S REPORT

We have audited the accompanying financial statements of the Fire and Police Employees' Retirement System of the City of Baltimore, Maryland, a component unit of the City of Baltimore, as of and for the year ended June 30, 2010, as listed in the table of contents. These financial statements are the responsibility of the Fire and Police Employees' Retirement System's management. Our responsibility is to express an opinion on these financial statements based on our audit.

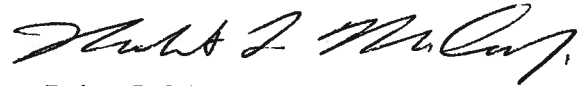
We conducted our audit in accordance with auditing standards generally accepted in the United States and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. Our most recent peer review was performed on July 26, 2006, and a peer review for the current cycle is being arranged. We were not engaged to perform an audit of the Fire and Police Employees' Retirement System's internal control over financial reporting. Our audit included 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 Fire and Police Employees' Retirement System's internal control over financial reporting. Accordingly, we express no such opinion. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, based on our audit, the financial statements referred to above present fairly, in all material respects, the plan net assets of the Fire and Police Employees' Retirement System as of June 30, 2010, and the respective changes in plan net assets for the year then ended, in conformity with accounting principles generally accepted in the United States.

In accordance with *Government Auditing Standards*, we have also issued our report, dated December 31, 2010, on our consideration of the Fire and Police Employees' Retirement System's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* and should be considered in assessing the results of our audit.

The Management's Discussion and Analysis, as listed in the table of contents, is not a required part of the basic financial statements but is supplementary information required by the Governmental Accounting Standards Board. We have applied certain limited procedures, which consisted principally of inquiries of management regarding the methods of measurement and presentation of the Management's Discussion and Analysis. However, we did not audit the information and express no opinion on it.

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the Fire and Police Employees' Retirement System's basic financial statements. The introductory section, required supplementary information and supporting schedules, investment section, actuarial section and statistical section, as listed in the table of contents, are presented for purposes of additional analysis and are not a required part of the basic financial statements. The required supplementary information and supporting schedules have been subjected to the auditing procedures applied by us in the audit of the basic financial statements and, in our opinion, are fairly stated in all material respects in relation to the basic financial statements taken as a whole. The introductory section, investment section, actuarial section and statistical section have not been subjected to the auditing procedures applied by us in the audit of the basic financial statements and, accordingly, we express no opinion on them.



Robert L. McCarty, Jr., CPA  
City Auditor

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**MANAGEMENT'S DISCUSSION AND ANALYSIS**

The following overview and analysis of the financial activities of the Fire and Police Employees' Retirement System (F&P, Plan, System) is provided for the fiscal year ended June 30, 2010. Readers are encouraged to consider the information presented here in conjunction with additional information furnished in the Transmittal Letter, which begins on page 5 of this report.

**Financial Summary**

- The net assets held in trust for pension benefits increased by \$164.4 million during the fiscal year from \$1,694.3 million at June 30, 2009, to \$1,858.7 million at June 30, 2010.
- Additions to Plan Net Assets (Revenues) for the year were \$364.0 million, an increase of \$632.8 million from the prior year revenues of a negative \$268.8 million. The increase in revenues was driven by market valuation gains in the equity and fixed income markets.
- Deductions from Plan Net Assets (Expenses) were \$199.6 million in the current year, an increase of \$11.0 million from the prior year expenses of \$188.6 million. The increase in expenses was driven by lump sum payments to retiring DROP participants.
- The managed investment portfolio total rate of return of 15.3% for the fiscal year ended June 30, 2010 provided very strong top quartile performance when compared to other public pension plans reported in the Russell/Mellon Public Fund Universe.
- The managed investment portfolio total rate of return of 15.3% was well above the total fund policy index of 12.6% and the median public fund performance of 12.9%.
- The F&P's domestic fixed income and international equity composites led the fiscal year 2010 investment portfolio with top decile performance of 22.1% and 22.0% rates of return respectively.
- The System's U.S. equity composite at an actual allocation of 37.4% of the total managed portfolio ended fiscal year June 30, 2010, with top quartile performance of 19.7%.
- The private equity portfolio and the hedge fund of funds portfolio composites a generated positive performance of 13.1% and 3.3%, respectively, for fiscal year 2010, while the real estate portfolio composite suffered the only portfolio loss at a negative 11.7%.
- The F&P's funding objective is to meet benefit obligations through employer and member contributions and by achieving an 8.0% investment rate of return over the long-term. The earnings assumption rate was lowered from 8.25% as provided by Ordinance 10-306 of June 2010.
- As of June 30, 2010, the date of the system's last actuarial valuation, the System's funded ratio was 83.2% on an actuarial value of assets basis and 64.2% on a market value of assets basis, compared to 84.8% and 58.2% at June 30, 2009.
- Capital assets are recorded at cost and include capitalized costs relating to leasehold improvements, computer equipment and office furniture.
- Plan provision amendments, legislated in June 2010, changed the eligibility requirements and percentages payable for post-retirement increases determined on and after June 30, 2010.

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**MANAGEMENT'S DISCUSSION AND ANALYSIS**

**Overview of Financial Statements**

The following discussion and analysis are intended to serve as an introduction to the F&P financial statements and the Financial Section of this report. The statements and the notes are in conformity with accounting principles generally accepted in the United States. These principles require certain financial statement presentations and disclosures including the use of the accrual basis of accounting to record assets and liabilities, and revenues and expenses.

The **Statement of Plan Net Assets** provides a snapshot of the financial position of the F&P at June 30, 2010, the end of the plan's financial year. It indicates the total assets and total liabilities at June 30, 2010, and the net assets available for future payment of retirement benefits and operating expenditures. The assets comprise cash and cash equivalents, which are fixed income instruments with three year or less expected lives; receivables, which are from investment activity; investments at fair market value; securities lending collateral; and capital assets, which includes leasehold improvements, computer equipment, and office furniture. Securities traded on national or international exchanges are valued at the last reported sale price at current exchange rates. Purchases and sales of investments are recorded on a trade date basis. The fair value of real estate holdings is based primarily on appraisals by third-party appraisers. The liabilities comprise payables for securities lending collateral, certain investment activity, retirement benefits, lump sums payable to members and administrative expenses.

The **Statement of Changes in Plan Net Assets**, on the other hand, summarizes the F&P financial activities that occurred during the plan's financial year from July 1, 2009 through June 30, 2010. Employer contributions are recognized when a formal commitment has been made by the employer to provide the contributions. Member contributions are recognized in the period in which the contributions are due. All investment gains and losses are recorded at trade date. Both realized and unrealized investment gains and losses are recorded. Benefits and refunds are recognized when due and payable in accordance with the terms of the plan provisions.

The **Notes to the Basic Financial Statements** provide additional information that is essential to a full understanding of the data provided in the financial statements. The notes are an integral part of the financial statements and include detailed information not readily evident in the basic financial statements.

The Statement of Plan Net Assets and the Statement of Changes in Plan Net Assets can be found on pages 25 and 26 of this report.

The **Required Supplementary Information** that follows immediately after the notes to the basic financial statements provides two schedules illustrating ten-year historical trend information. The first schedule, concerning the funded status of the F&P, compares the actuarial value of assets to the actuarial accrued liability. The second schedule provides a history of required contributions made by the employer. See the Required Supplementary Information beginning on page 38 of this report.

The remaining supplemental schedules provide additional detailed information concerning operating expenses, investment expenses and payments to consultants. All of this information is considered useful in understanding and evaluating the financial activities of the F&P.

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**MANAGEMENT'S DISCUSSION AND ANALYSIS**

**Financial Analysis**

The examination of plan net assets over time may serve as a useful indicator of the financial position of the F&P. At June 30, 2010, assets, as displayed below, exceeded liabilities by \$1.9 billion, an increase of \$164.4 million over the prior year. Prior to the passage of Ordinance 10-306 of June 2010, it was mandated that \$508.0 million in total assets of two reserves, the Paid-Up Benefit Reserve and the Contingency Reserve, were to be segregated and separately invested from the general plan assets. As required, the assets of these two reserves were dedicated to the payment of certain post-retirement benefit increases. With the passage of Ordinance 10-306, the assets of the two aforementioned reserves are to be included in the general asset pool as there is no longer a requirement to maintain those reserves and invest those assets separately. Subsequent to year end, the Board of Trustees approved maintaining the separate investment and management of those assets until at least the March 2011 trial date of the suit brought by the member unions against the City and the Board of Trustees. The general plan net assets of \$1,350.7 million are available to meet the ongoing regular benefit obligations to the F&P participants and beneficiaries. As of June 30, 2010, the general plan assets increased by 15.2% over the prior year mainly due to the improvement in the fair value of the System's investment portfolio. This fiscal year 2010 first quartile performance follows the unprecedented global economic meltdown and corresponding negative performance recorded in fiscal year 2009. Total liabilities increased mainly due to an increase in securities lending collateral and other investment activity.

**Plan Net Assets  
 For the Fiscal Years ended June 30, 2010 and 2009**

	2010	2009	Increase	Percentage Change
Current assets	\$ 70,384,022	\$ 54,615,246	\$ 15,768,776	28.9%
Capital assets	1,424,959	1,408,110	16,849	1.2
Investments at fair value	<u>2,073,290,000</u>	<u>1,806,556,977</u>	<u>266,733,023</u>	14.8
<b>Total Assets</b>	<b><u>2,145,098,981</u></b>	<b><u>1,862,580,333</u></b>	<b><u>282,518,648</u></b>	<b>15.2</b>
Current liabilities	<u>286,357,511</u>	<u>168,259,807</u>	<u>118,097,704</u>	70.2
<b>Total Liabilities</b>	<b><u>286,357,511</u></b>	<b><u>168,259,807</u></b>	<b><u>118,097,704</u></b>	<b>70.2</b>
<b>Net Assets</b>	<b><u>\$ 1,858,741,470</u></b>	<b><u>\$ 1,694,320,526</u></b>	<b><u>\$ 164,420,944</u></b>	<b>9.7%</b>

**Investment Assets**

The F&P invests in domestic and international equities, domestic fixed income, hedge fund of funds, private equity fund of funds, and real estate limited partnerships which totals \$1,350.7 million of the \$1,858.7 million net assets. The System also participates in a securities lending program that is managed by the System's custodian bank. All assets are managed by external investment management firms selected by the Board of Trustees and approved by the City's policy making body, the Board of Estimates. BNY Mellon Asset Servicing, the F&P's custodian bank, holds in custody all marketable securities except securities held in hedge fund of funds, private equity, and real estate portfolios. The Board of Trustees retains the services of the Summit Strategies Group, an investment advisory services firm that assists with investment allocation, manager selection, performance calculations, performance analytics, and other related services.

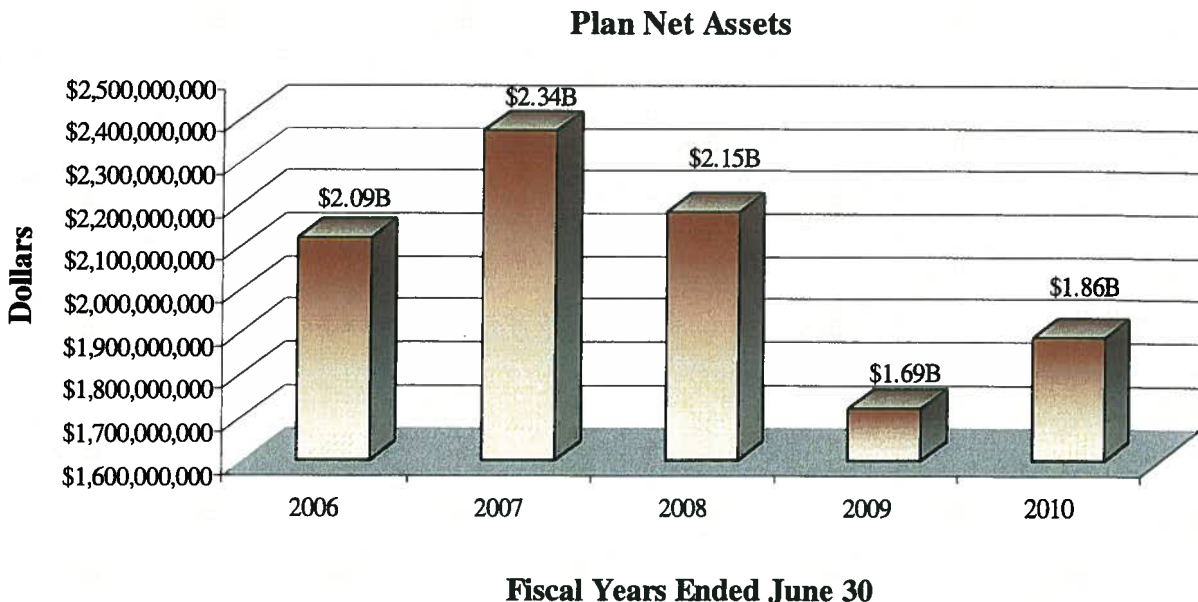
The remainder of the assets, \$508.0 million as of June 30, 2010, was separately invested from the Board's asset allocation targets and is managed in fixed income portfolios dedicated to immunize certain post-retirement increase liabilities. The Board's policy was to invest the dedicated assets in fixed income securities that are managed to match the payout streams

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**MANAGEMENT'S DISCUSSION AND ANALYSIS**

of the post-retirement increases. These benefit increases were not guaranteed by the City and the Board chose to immunize those benefit payments with fixed income securities to assure their continuation. Since the "dedicated" portfolio was managed to immunize the benefit liabilities and was not managed to the Board's general asset allocation, the rate of return for those assets is not included in the rates of return disclosed in this report. However, the "dedicated" assets are included and reported in the System's financial statements along with the "managed" assets.

All investments are stated at fair value rather than at cost and include the recognition of unrealized gains and losses in the current period. The rate of return on total "managed" assets for the year ended June 30, 2010 was 15.3%, a very strong first quartile positive return that provided relief from the fiscal year 2009 negative performance directly attributable to the global economic downturn. The managed portfolio annualized rates of return for the last three-year, five-year, and ten-year periods ended June 30, 2010, all of which include the unprecedented negative 21.9% performance recorded in fiscal year 2009, were (5.9)%, 2.3%, and 2.3% respectively. While the Board has diversified the "managed" assets across multiple classes and strategies as it seeks to lower investment risk and maximize opportunities, the Board's asset allocation plan is obviously subject to market volatility. The F&P's long-term actuarial investment return assumption is 8.0% which was lowered from 8.25% by legislation passed in June 2010.

Beginning on page 46 of this report, the Investment Section gives detailed information on the F&P investment policies. See page 53 for the comparison of the "managed" asset allocation targets established by the Board of Trustees to the actual asset allocation at June 30, 2010.



Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**MANAGEMENT'S DISCUSSION AND ANALYSIS**

**Liabilities**

The current liabilities are payables incurred mainly by investment portfolio transaction activity, the lump sum benefits payable to members, and the operating expenses of the F&P office.

**Changes in Plan Net Assets  
For the Fiscal Years Ended June 30, 2010 and 2009**

	<b>2010</b>	<b>2009</b>	<b>Increase (Decrease)</b>
<b>Additions</b>			
Net investment income	\$ 252,146,101	\$ (357,730,702)	\$ 609,876,803
Employer contributions	94,097,743	69,513,236	24,584,507
Member contributions	17,254,515	17,661,252	(406,737)
Net securities lending income	500,376	1,801,369	(1,300,993)
<b>Total Additions</b>	<b><u>363,998,735</u></b>	<b><u>(268,754,845)</u></b>	<b><u>632,753,580</u></b>
<b>Deductions</b>			
Retirement allowances	176,660,415	173,547,075	3,113,340
Lump sum DROP payments	18,078,701	10,379,493	7,699,208
Administrative expenses	3,311,686	3,334,851	(23,165)
Refunds of member contributions	1,372,214	1,114,334	257,880
Death benefits	154,775	251,544	(96,769)
<b>Total Deductions</b>	<b><u>199,577,791</u></b>	<b><u>188,627,297</u></b>	<b><u>10,950,494</u></b>
<b>Net Increase (Decrease)</b>	<b><u>\$ 164,420,944</u></b>	<b><u>\$ (457,382,142)</u></b>	<b><u>\$ 621,803,086</u></b>

**Investment Income**

For the current fiscal year, the F&P's total managed portfolio gained 15.3%. Positive performance was recognized in all asset portfolios except real estate. This overall portfolio gain was above the median public fund performance of 12.9% and the Board's comparative policy index of 12.6%.

The System's domestic equity, international equity, domestic fixed income, private equity fund of funds, and hedge fund of funds portfolios returned 19.7%, 22.0%, 22.1%, 13.1% and 3.3% respectively. All outperformed their respective benchmarks. The System's real estate portfolio returned a negative 11.7%, the only negatively performing asset class for the fiscal year, and the portfolio underperformed its comparative index.

The \$508.0 million Paid-Up Benefit Reserve and Contingency Reserve, which were formerly mandated to be segregated and separately invested from the general plan assets, were invested during the fiscal year in U.S. Treasury securities and high grade corporate bonds, and returned 13.7% for the year as investors fled to quality. The cash flow of those dedicated reserves, as explained above, is matched to the benefit payment streams of the post-retirement increases.

Fire and Police Employees' Retirement System  
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**MANAGEMENT'S DISCUSSION AND ANALYSIS**

The investment income is reduced by investment expenses which include the fees paid to firms hired by the Board to manage the System's assets, the Board's investment advisory firm, and the System's custodian bank that tracks and reports investment activity. Investment expenses increased from \$5.6 million in fiscal year 2009 to \$6.0 million for fiscal year 2010 due to the increase in portfolio market values.

**Member and Employer Contributions**

Member contributions were made at 6.0% of regular compensation during fiscal year 2010. Due to the passage of legislation in June 2010, the member contribution rate increased to 7.0% of regular compensation beginning in fiscal year 2011, and will increase to 8.0% in fiscal year 2012, 9.0% in fiscal year 2013, and 10.0% in fiscal year 2014. Overtime pay is not subject to the member contribution rate and is not included in the member's average final compensation calculation. The number of active members decreased slightly from 4,690 in fiscal year 2009 to 4,584 in fiscal year 2010; this led to a slight decrease in covered member compensation and the related member contributions to the F&P in the current fiscal year.

Employer contributions requirements are determined by the results of the actuarial valuation process which is performed as of the end of each fiscal year. The valuation results determine the contribution requirement due on July 1 two fiscal years hence. For example, the actuarial valuation report prepared as of fiscal year end June 30, 2008, determined the City's fiscal year 2010 contribution requirement due July 1, 2009; the actuarial valuation report prepared as of fiscal year end June 30, 2009 determined the City's contribution requirement due July 1, 2010, which is the fiscal year 2011 contribution requirement, and so on. The employer contribution is comprised of the contribution made by the City of Baltimore and a contribution made by the State of Maryland for a very small number of State employees whose F&P coverage was mandated by State law.

The required employer contribution due July 1, 2009 increased \$13.2 million to \$82.7 million in fiscal year 2010, from \$69.5 million in fiscal year 2009. The increase in the required contribution is due to the recognition of investment losses from prior fiscal years. The City of Baltimore contributed an additional \$11.4 million for a total employer contribution of \$94.1 million made in fiscal year 2010. The additional contributions were made to pay down accumulated tech bubble investment losses.

Plan amendments were enacted by the City of Baltimore in June 2010. The amendments reduced the City's required fiscal year 2011 contribution, due July 1, 2010, by approximately \$10.0 million to approximately \$91.0 million. Even with the amendments and due to the recognition of additional investment losses from prior years the City's required contribution is expected to increase \$8.0 million to \$10.0 million over each of the next five fiscal years.

Due to the enactment of the plan amendments, the fire and police unions and certain retired members filed suit in Federal Court claiming that the City wrongfully impaired the benefit rights of the membership and that the F&P Board of Trustees acted improperly in the conduct of its duties. Nullification of the benefit changes enacted in June 2010 could result in significant increases to the City's contribution to the plan. See note 8 to financial statements on page 35.

**Retirement Benefits and Administrative Expenses**

The F&P was created to provide lifetime service retirement and permanent disability benefits to eligible members, survivor benefits and death benefits to eligible beneficiaries. The cost of such programs includes recurring retirement benefit payments, post-retirement benefit increases, lump-sum payments to Deferred Retirement Option Plan (DROP) participants, lump sum death benefits, refunds of accumulated member contributions and interest to members who leave F&P covered employment and are not eligible for retirement benefits, and the cost of administering the System.

The primary expense during fiscal year 2010 was for the payment of continuing retirement benefits totaling \$176.7 million, an increase of \$3.2 million over the \$173.5 million in retirement allowances paid in fiscal year 2009. Lump sum DROP distributions increased \$7.7 million from \$10.4 million in fiscal year 2009 to \$18.1 million in fiscal year 2010 due to an increase in the number of DROP participant service retirements. Administrative expenses comprised primarily of personnel costs and other professional services costs. Leasehold improvements and office furniture are depreciated on a straight-line basis over 15 years, the life of the building lease. Computer equipment is depreciated on a straight-line basis



Fire and Police Employees' Retirement System  
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**MANAGEMENT'S DISCUSSION AND ANALYSIS**

over a five year useful life.

**Requests for Information**

This report is designed to provide a general overview of the F&P's financial activity. Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to:

**Thomas P. Taneyhill, CPA**  
**Executive Director**  
**Fire and Police Employees' Retirement System**  
**7 East Redwood Street, 19<sup>th</sup> Floor**  
**Baltimore, Maryland 21202**

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**STATEMENT OF PLAN NET ASSETS**  
June 30, 2010

**Assets**

Cash and Cash Equivalents		\$ 43,383,029
Receivables		
Forward Foreign Contracts	\$ 15,276,549	
Accrued income	6,205,174	
Investments sold	<u>5,519,270</u>	
Total Receivables		27,000,993
Investments, at fair value		
Stocks	817,915,248	
Bonds	703,501,757	
Real estate	143,366,959	
Private equity funds	81,874,471	
Hedge funds	<u>81,662,058</u>	
Total Investments		1,828,320,493
Capital Assets, net of depreciation		
Leasehold improvements	912,251	
Office furniture	269,541	
Computer equipment	<u>243,167</u>	
Total Capital Assets, net of depreciation		1,424,959
Securities Lending Collateral		<u>244,969,507</u>
Total Assets		<u>2,145,098,981</u>

**Liabilities**

Securities lending collateral	244,969,507	
Forward Foreign Contracts	15,337,055	
Investments purchased	13,067,578	
Lump sums payable to members	5,812,243	
Retirement allowances payable	2,944,728	
Security lending loss payable	2,295,719	
Investment management fees payable	1,521,687	
Administrative expenses payable	390,523	
Other accounts payable	<u>18,471</u>	
Total Liabilities		<u>286,357,511</u>

**Net Assets Held in Trust for Pension Benefits**

\$ 1,858,741,470

The notes to the basic financial statements are an integral part of this statement.

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**STATEMENT OF CHANGES IN PLAN NET ASSETS**  
For the Year Ended June 30, 2010

**Additions**

Contributions		
Employers	\$ 94,097,743	
Plan members	<u>17,254,515</u>	
Total Contributions		\$ 111,352,258

**Investment Income**

Net appreciation in fair value of investments	214,464,736	
Interest and dividends	37,967,197	
Real estate income	3,031,054	
Private equity income	1,387,694	
Hedge funds income	1,282,793	
Less: Investment expenses	<u>(5,987,373)</u>	
Net Investment Income		252,146,101

Securities lending income	666,977	
Less: Securities lending expenses	<u>(166,601)</u>	
Net Securities lending income		<u>500,376</u>

Total Additions		<u>363,998,735</u>
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**Deductions**

Retirement allowances	176,660,415	
Lump sum DROP payments	18,078,701	
Administrative expenses	3,311,686	
Refunds of member contributions	1,372,214	
Death benefits	<u>154,775</u>	
Total Deductions		<u>199,577,791</u>

<b>Net Increase</b>		164,420,944
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**Net Assets Held in Trust for Pension Benefits**

July 1, 2009		<u>1,694,320,526</u>
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June 30, 2010		<u><u>\$1,858,741,470</u></u>
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The notes to the basic financial statements are an integral part of this statement.

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**NOTES TO BASIC FINANCIAL STATEMENTS**

**1. Plan Description:**

The Fire and Police Employees' Retirement System of the City of Baltimore (F&P, Plan, System) is the administrator of a single employer defined benefit local government retirement plan. Established July 1, 1962, the Plan covers all uniformed personnel of the Baltimore City Fire and Police Departments. In addition, the Plan includes fifteen active fire and police officers who are employees of the State of Maryland; this contingent emanated from when the City of Baltimore owned the Baltimore/Washington International Thurgood Marshall Airport. Based on criteria established by the Governmental Accounting Standards Board, the F&P is a component unit of the City of Baltimore and is included in the City's financial report as a public employees retirement system (PERS).

At June 30, 2010, the F&P membership consisted of:

Retirees and beneficiaries currently receiving benefits	6,012
Active plan members	<u>4,584</u>
Total	<u>10,596</u>

The F&P provides normal service retirement benefits, as well as, death and disability benefits in accordance with Article 22 of the Baltimore City Code, which may be amended only by the Mayor and City Council. Certain provisions were recently amended by Ordinance 10-306 and 10-357, as noted in the Summary of Plan Provisions beginning on page 75. Membership in the System is mandatory upon employment. The System does not have a vested benefit plan.

Post-retirement benefit increases are provided to retirees and beneficiaries based on age and type of retirement.

**2. Summary of Significant Accounting Policies:**

**Basis of Presentation:**

The accounting and financial reporting policies of the F&P included in this report conform to accounting principles generally accepted in the United States and reporting standards as promulgated by the Governmental Accounting Standards Board, which designates accounting principles and financial reporting standards applicable to PERS. This report includes solely the accounts of the F&P, a component unit of the City of Baltimore.

There are no component units of the F&P based on the nature of operational or financial relationships.

**Basis of Accounting:**

These financial statements have been prepared on the accrual basis of accounting, whereby revenues are recorded when they are earned, expenses are recorded when liabilities are incurred, and investment purchases and sales are recorded as of their trade date. 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 plan.

**Method Used to Value Investments:**

Investments are reported at fair value. Securities traded on national or international exchanges are valued at the last reported sales price at the current exchange rates. The real estate holdings are based on the most recent appraisal (either internal to the manager or third party) as then presently available. Investments that do not have an established market are reported at estimated fair value.

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**NOTES TO BASIC FINANCIAL STATEMENTS**

**3. Contributions and Reserves:**

F&P members were required to contribute 6% of their regular compensation through payroll deduction for fiscal year 2010. The employer contributions are determined through an actuarial valuation. According to the plan provisions, contribution requirements of the plan members and the City are established and may be amended by the Mayor and City Council. The valuation method is stipulated in the plan provisions. Administrative costs of the F&P are paid from investment earnings.

The plan provisions, Article 22 of the Baltimore City Code, established the following reserves:

**Annuity Savings Reserve** - Accumulated in this reserve are members' contributions inclusive of interest credits, less amounts distributed upon termination of employment or death, or transferred to another reserve for retirement.

**Annuity Reserve** - Upon retirement, the accumulated contributions of members are transferred to this reserve. From this reserve, the members' accumulated contributions are paid as a life annuity.

**Pension Accumulation Reserve** - Employer contributions are credited and accumulated with earnings in this reserve. DROP benefits and certain death benefits are paid from here. In addition, when a member retires, an amount equal to the member's pension reserve is transferred from this reserve to the Pension Reserve.

**Pension Reserve** - From this reserve is paid the pension portion of the retirement allowance. The pension represents benefits for life derived from employer contributions and investment income.

The paid up benefit reserve and the contingency reserve were eliminated by Ordinance 10-306. The assets and the liabilities from these reserves are reflected as transferred to the pension reserve.

At June 30, 2010, the balances in the legally required reserves are as follows:

<u>Reserves</u>	<u>Balance</u>
Annuity savings reserve	\$ 246,799,329
Annuity reserve	273,155,496
Pension accumulation reserve	(365,578,469)
Pension reserve	1,704,365,114
Total Reserves	<u>\$ 1,858,741,470</u>

At June 30, 2010, the actuarially determined accrued liability exceeded plan assets by \$508,970,018.

**4. Securities Lending:**

The Board of Trustees (the Board) entered into a Securities Lending Authorization Agreement with the System's custodian bank, BNY Mellon Asset Servicing. All individual securities which are readily marketable and which are not restricted due to an outstanding short option are eligible for loan at the discretion of the custodian bank. The investment manager may loan securities held in custody of commingled accounts if authorized in the manager's contract with the F&P.

Collateral received in exchange for securities loaned is collected in an escrow account for the F&P's benefit for the duration of the loan. At no time will the System lose custody of the loaned securities. Collateral in exchange for the principal loaned may be in the form of cash, or securities issued or guaranteed by the U.S. government, its agencies or instrumentalities. Irrevocable Letters of Credit from banks approved by the custodian may not be used as collateral. The minimum levels of collateral will be set at 102% of the market value of domestic securities loaned, including all accrued income, and 105% of the market value of international securities loaned, including all accrued income. If the market value of the collateral falls below 100% of the loaned securities, additional collateral will be collected to maintain the appropriate minimum level. All collateral amounts will be marked to market daily. The F&P does not have the right to sell or pledge securities received as collateral without borrower default.

At June 30, 2010, the F&P had no credit risk exposure to borrowers because the amounts the F&P owed borrowers exceeded the amounts the borrowers owed the F&P. The market value of securities on loan at June 30, 2010, was \$237,697,848 and the market value of the collateral received for those securities on loan was \$244,969,507. In October 2008, the Board placed a restriction on the dollar amount of securities that can be out on loan at any one time at \$375 million. The terms of the Securities Lending Authorization Agreement require that the custodian indemnify the F&P against: (1) the failure to demand adequate and appropriate collateral from a borrower; (2) the failure to comply with the investment guidelines in connection with the investment and reinvestment of cash collateral; (3) the failure to obtain and perfect a security interest or rights equivalent thereto in and to the collateral; and (4) the failure to make a reasoned determination of the creditworthiness of any borrower.

Substantially all securities loans can be terminated on demand either by the custodian or by the borrower, although generally the average term of these loans is one week. Cash collateral is invested in the custodian's short-term investment pool. The short-term investment pool guidelines specify that a minimum of 20% of the invested cash collateral is to be available each business day and the dollar weighted average maturity of holdings should not exceed 90 days.

The custodian's lending program does not operate the collateral investments as a "matched program" where the length of the loaned assets would be specifically matched to the length of the portfolio investments. Because the System's active investments are currently engaged in the overnight investment fund, all assets in the portfolio mature within a 24 hour period.

As a participant in the custodian's short-term investment pool, the F&P suffered a principal loss of \$2.3 million in fiscal year 2009. The collateral pool had an interest in Sigma Finance Corporation. The security defaulted and was downgraded and transferred to a liquidating fund at a \$1.00 value per unit. Although recovery of the defaulted security is being sought through the bankruptcy court, BNY Mellon expects the loss of \$2.3 million to materialize. F&P recognized the loss in fiscal year 2009 and expects to fund the loss in fiscal year 2011.

The following represents the balances relating to the securities lending transactions as of June 30, 2010:

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**NOTES TO BASIC FINANCIAL STATEMENTS**

<u>Types of Securities On Loan</u>	<u>Market Value of Securities On Loan</u>	<u>Market Value of Collateral Received</u>	<u>Type of Collateral</u>
U.S. treasury notes and bonds	\$ 102,663,693	\$ 104,166,186	Cash
Domestic equities	78,647,030	81,934,071	Cash
Corporate bonds	33,560,841	34,382,817	Cash
International equities	16,450,683	17,976,019	Cash
U.S. Government agency bonds	5,867,121	5,984,439	Cash
Domestic equities	508,480	525,975	Securities
<b>Total Securities on Loan</b>	<b>\$ 237,697,848</b>	<b>\$ 244,969,507</b>	

**5. Cash and Investments:**

The System's cash deposits are entirely covered by federal depository insurance at all times.

The Board of Trustees of the F&P is authorized by the Baltimore City Code to make investments in accordance with the guidelines and limitations set forth in the Code. The Board accomplishes the daily management of the System's investments through an external investment advisor who acts as a fiduciary for the System and through external investment managers. The Board invests the assets of the F&P using the "prudent person standard" which allows the Board to consider the probable safety of investments, avoid speculative investments, and invest as people of prudence, discretion, and intelligence would in a similar situation. The Board has adopted an investment policy and guidelines to formally document its investment objectives and responsibilities.

Governmental Accounting Standards Board (GASB) Statement No. 40 updates and/or supersedes portions of GASB Statement No. 3. GASB Statement No. 40 establishes more comprehensive disclosure requirements related to investment risks: foreign currency risk exposure, interest rate risk, and credit risk by quality.

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**NOTES TO BASIC FINANCIAL STATEMENTS**

The F&P invested assets at June 30, 2010 are presented below:

<u>Investment Type</u>	<u>Fair Value</u>
<b>Debt Securities:</b>	
Corporate bonds	\$ 372,413,267
U.S. treasury notes and bonds	139,448,815
U.S. Government agency bonds	117,392,190
Absolute return strategic funds	66,755,171
Money mutual funds	43,383,029
Barclay aggregate index	7,492,314
Total debt securities	<u>746,884,786</u>
<b>Other:</b>	
Domestic equities	496,944,869
International equities	320,970,379
Real estate	143,366,959
Private equity funds	81,874,471
Hedge funds	81,662,058
Total other	<u>1,124,818,736</u>
Total investments	1,871,703,522
Less cash and cash equivalents	<u>43,383,029</u>
Total net investments	<u><u>\$1,828,320,493</u></u>

Concentration of Credit Risk

Concentration of credit risk is the risk of loss attributed to the magnitude of a government's investment in a single issuer. As of June 30, 2010, the F&P has no single issuer that exceeds 5% of total investments. Investments issued or explicitly guaranteed by the U.S. government and investments in mutual funds, external investment pools, and other pooled investments are excluded.

Foreign Currency Risk Exposure

Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of an investment or a deposit. It is the Board's policy that external managers demonstrate sensitivity to foreign currency risk. The foreign currency exposure of the System may be hedged back to the U.S. dollar using forward foreign exchange contracts. From 0% to 100% of the foreign currency exposure of a portfolio may be hedged. Cross-hedging to currency other than the U.S. dollar may reach 25% of the total portfolio. Currency speculation is not permitted.



Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**NOTES TO BASIC FINANCIAL STATEMENTS**

The F&P exposure to foreign currency risk is presented on the following table:

<u>Currency</u>	<u>Market Value</u>
Euro Currency Unit	\$ 63,741,423
British Pound Sterling	34,047,417
Japanese Yen	31,693,018
Swiss Franc	21,859,484
Hong Kong Dollar	9,780,808
South Korean Won	6,471,621
Canadian Dollar	5,719,174
Singapore Dollar	5,144,544
Brazil Real	4,911,936
Norwegian Krone	3,516,040
Taiwan Dollar	3,427,069
Indonesian Rupian	2,707,232
Swedish Krona	2,089,564
Danish Krone	1,887,461
South African Comm Rand	1,805,014
Israeli Shekel	1,047,206
Turkey Lira	1,027,825
Australian Dollar	965,111
Mexican New Peso	919,456
Chilean Peso	422,145
Egyptian Pound	354,172
Thailand Baht	235,752
Malaysian Ringgit	152,986
Polish Zloty	5,008
Russian Rubel	106
	<hr/>
Total Foreign Currency	<u>\$203,931,572</u>
U.S. Dollars (held in International Equity)	<u>\$117,038,807</u>

Interest Rate Risk

Interest rate risk is the risk that changes in interest rates of debt investments will adversely affect the fair value of an investment. F&P uses the Option Adjusted Duration as a measure of interest rate sensitivity for bonds. Duration is a measure of the approximate sensitivity of a bond's value to interest rate changes. The Board's fixed income interest rate policy states that the effective duration of a portfolio may not exceed 120% of the effective duration of the underlying Barclay Capital Aggregate benchmark.

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**NOTES TO BASIC FINANCIAL STATEMENTS**

<u>Asset Type</u>	<u>Option Adjusted Duration</u> (in years)	<u>Fair Value</u>
Corporate bonds	4.96	\$372,413,267
U.S. treasury notes and bonds	14.23	139,448,815
U.S. Government agency bonds	4.95	117,392,190
Absolute return strategic funds	2.57	66,755,171
Money mutual funds	0.08	43,383,029
Barclay aggregate index	4.30	<u>7,492,314</u>
 Total debt securities		 <u><u>\$746,884,786</u></u>

Credit Risk by Quality

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligation. The Board has not adopted a formal policy to limit credit risk. The F&P's rated debt investments as of June 30, 2010 were rated by a nationally recognized statistical rating agency and are presented below using the Standard and Poor's rating scale:

<u>Asset Type</u>	<u>Quality Ratings</u>	<u>Fair Value</u>
Corporate bonds	AAA	\$42,579,744
	AA	25,144,597
	A	128,738,117
	BBB	82,914,314
	BB	28,389,938
	B	30,597,176
	CCC	7,228,071
	CC	419,190
	C	711,465
	D	13,064
	Not Rated	<u>25,677,591</u>
Total corporate bonds		<u><u>372,413,267</u></u>
U.S. treasury notes and bonds	Guaranteed	139,448,815
U.S. Government agency bonds	Guaranteed	117,392,190
Absolute return strategic funds	A	66,755,171
Money mutual funds	Not Rated	43,383,029
Barclay aggregate index	AA	<u>7,492,314</u>
 Total debt securities		 <u><u>\$746,884,786</u></u>

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**NOTES TO BASIC FINANCIAL STATEMENTS**

**6. Capital Assets:**

Capital Assets consisting of furniture and equipment, computer equipment and leasehold improvements are recorded at cost. Depreciation on computer equipment is calculated on a straight-line basis over a five year useful life; depreciation on leasehold improvements and office furniture is calculated on a straight-line basis over fifteen years, the life of the building lease. Accumulated depreciation for computer equipment is \$578,049; for office furniture is \$127,072; for leasehold improvements is \$441,863.

<u>Asset</u>	<u>June 2009 Balance</u>	<u>Additions</u>	<u>Depreciation</u>	<u>June 2010 Balance</u>
Computer equipment	\$ 109,602	\$ 175,651	\$ 42,086	\$ 243,167
Office furniture/equipment	295,982		26,441	269,541
Leasehold improvements	<u>1,002,526</u>	<u>                    </u>	<u>90,275</u>	<u>912,251</u>
Totals	<u>\$1,408,110</u>	<u>\$ 175,651</u>	<u>\$ 158,802</u>	<u>\$1,424,959</u>

**7. Funding:**

Funding of the System is accomplished through member and employer contributions and the investment earnings. The System uses the projected unit credit funding method. The required schedule of funding progress presents multi-year trend information about whether the actuarial value of plan assets is increasing or decreasing over time relative to the actuarial accrued liability for benefits. This schedule can be found on page 38. The following is a schedule of funding progress as of the actuarial valuation date of June 30, 2010.

Actuarial Assets (a)	Actuarial Accrued Liability (AAL) (b)	Unfunded AAL (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	Unfunded AAL as a percentage of Covered Payroll ((b-a)/c)
\$2,524,753,505	\$3,033,723,523	\$508,970,018	83.2%	\$276,576,626	184.0%

The information presented above and in the required supplementary schedules was derived from the annual actuarial valuations prepared as of each June 30. Additional information from the latest actuarial valuation dated June 30, 2010 follows:

Actuarial cost method:	Projected unit credit
Amortization method:	Level dollar, open
Amortization period:	20 year period; only one amortization base.
Asset valuation method:	Market value adjusted for investment surpluses and deficits over a five-year period.

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**NOTES TO BASIC FINANCIAL STATEMENTS**

Actuarial assumptions:

Investment rate of return	8.00%
Projected salary increases	4.00% to 8.00%, includes inflation at 3.00%
Post-retirement cost-of-living adjustments	Provided to retirees and beneficiaries dependent upon their age and retirement type as of the June 30 fiscal year end. Age 55 to 64, 1% increase commencing January 2012; Age 65 and over, 2% increase commencing January 2011; 100% line of duty disability retirees and beneficiaries, 2% regardless of age, commencing January 2011.

**8. Litigation:**

On September 20, 2010, Baltimore City Fraternal Order of Police, Lodge #3, Inc., Baltimore City Firefighters' IAFF, Local #734 and several individual F&P members and retirees filed a lawsuit against the Mayor and City Council of Baltimore, the F&P Board and Edward J. Gallagher, City Finance Director, in the United States District Court for the District of Maryland (Northern Division). The lawsuit principally alleges that the enactment of Ordinance 10-306 on June 22, 2010 impaired the contract between F&P members and the City. The lawsuit also alleges that the City has failed to adequately fund the Plan. Finally, the lawsuit asserts that the Board acted improperly by (a) allegedly ignoring certain recommendations made by the Plan's actuary concerning interest rate assumptions; (b) allegedly miscalculating retiree increases for the 2005, 2006 and 2007 fiscal years; (c) allegedly concealing the Plan's funding status; and (d) allegedly improperly recognizing certain Plan investment losses. The City and the Board deny each of these allegations and intend to vigorously defend their actions in court.

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**NOTES TO BASIC FINANCIAL STATEMENTS**

**9. Derivatives:**

Derivatives are generally defined as an investment contract or security with a value that depends on, or is derived from, the value of an underlying asset, reference rate or financial index. The F&P has classified the following hedging instruments as derivatives:

**Forward Currency Contracts**

The F&P enters into forward currency contracts to manage exposure to fluctuations in foreign currency exchange rates on portfolio holdings. The F&P also enters into forward exchange contracts to settle future obligations. A forward exchange contract is a commitment to purchase (payable) or sell (receivable) a foreign currency at a future date at a negotiated forward rate. Risk associated with such contracts includes movement in the value of a foreign currency relative to the U.S. dollar. Unrealized gain or loss on forward currency contracts is the difference between the contract and the closing market value of such contract and is included in the statement of changes in plan net assets as net appreciation/depreciation in fair value of investments. The table below summarizes the market value of foreign currency contracts as of June 30, 2010.

<u>Currency</u>	<u>Forward Foreign Contracts Cost Receivable</u>	<u>Forward Foreign Contracts Cost Payable</u>	<u>Forward Foreign Contracts Market Value Receivable</u>	<u>Forward Foreign Contracts Market Value Payable</u>
Australian Dollar	\$ 289,899	\$ 289,899	\$ 289,899	\$ 285,276
Brazil Real	235,772	235,772	234,177	235,772
British Pound Sterling	26,871	26,871	26,575	26,871
British Pound Sterling	2,207,632	2,207,632	2,207,632	2,254,037
Canadian Dollar	402,227	402,227	396,798	402,227
Danish Krone	67,150	67,150	67,150	67,285
Euro Currency Unit	220,631	220,631	221,091	220,631
Euro Currency Unit	4,116,143	4,116,143	4,116,143	4,118,880
Hong Kong Dollar	373,086	373,086	372,997	373,086
Hong Kong Dollar	1,291,742	1,291,742	1,291,742	1,291,689
Israel Shekel	26,806	26,806	26,806	26,902
Japanese Yen	33,414	33,414	33,556	33,414
Japanese Yen	4,010,623	4,010,623	4,010,623	4,016,045
Norwegian Krone	30,213	30,213	30,010	30,213
South African Rand	31,555	31,555	31,053	31,555
South African Rand	60,571	60,571	60,571	60,597
Singapore Dollar	1,492,431	1,492,431	1,490,827	1,492,431
South Korean Won	335,392	335,392	334,468	335,392
South Korean Won	20,319	20,319	20,319	20,659
Swiss Franc	14,093	14,093	14,112	14,093
Totals	<u>\$ 15,286,570</u>	<u>\$ 15,286,570</u>	<u>\$ 15,276,549</u>	<u>\$ 15,337,055</u>

# Required Supplementary Information and Supporting Schedules



Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
 Required Supplementary Information  
**SCHEDULE OF FUNDING PROGRESS**

Actuarial Valuation Date June 30	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) Projected Unit Cost (b)	Unfunded (Excess of) AAL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL (Excess of) as a Percentage of Covered Payroll ((b-a)/c)
2001	\$2,098,740,595	\$2,096,802,530	\$(1,938,065)	100.1%	\$209,527,825	(0.9)%
2002	2,127,393,333	2,173,188,430	45,795,097	97.9	227,785,032	20.1
2003	2,205,205,652	2,286,873,035	81,667,383	96.4	245,711,363	33.2
2004	2,320,027,717	2,395,522,699	75,494,982	96.8	241,245,198	31.3
2005	2,464,821,382	2,560,984,795	96,163,413	96.2	244,814,891	39.3
2006	2,505,470,848	2,709,929,913	204,459,065	92.5	248,558,248	82.3
2007	2,658,735,035	2,893,890,517	235,155,482	91.9	254,489,308	92.4
2008	2,676,354,876	2,994,393,758	318,038,882	89.4	269,690,209	117.9
2009	2,587,235,012	3,050,887,285	463,652,273	84.8	281,423,808	164.8
2010	2,524,753,505	3,033,723,523	508,970,018	83.2	276,576,626	184.0

See notes to required supplementary information.

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
 Required Supplementary Information

**SCHEDULE OF EMPLOYER CONTRIBUTIONS**

This schedule presents the required contributions due from the City of Baltimore and the State of Maryland. In addition, the schedule presents the amount of excess earnings elected by the City to reduce the contributions payable to the F&P, as allowed by the Plan Provisions, and the amount of additional contributions made by the City to the Plan.

<u>Fiscal Year Ended June 30</u>	<u>City Contribution Per Actuarial Valuation</u>	<u>Contributions Required From State of Maryland</u>	<u>Addition To (Reduction In) City Contributions Due To Excess/Deficit Earnings</u>	<u>Total Contributions Required</u>	<u>Total Contributions Made</u>	<u>Percentage Contributed</u>
2001	\$27,297,688	\$217,340	\$(27,297,688)	\$217,340	\$217,340	100%
2002	29,192,803	252,220	(29,192,803)	252,220	252,220	100
2003	34,415,552	263,326		34,678,878	34,678,878	100
2004	42,387,801	311,365		42,699,166	42,699,166	100
2005	48,321,205	345,496		48,666,701	48,666,701	100
2006	49,248,316	413,311		49,661,627	49,661,627	100
2007	54,092,757	530,750	5,505,220	54,623,507	60,128,727	110
2008	66,423,208	532,536	5,731,841	66,955,744	72,687,585	109
2009	68,928,188	585,048		69,513,236	69,513,236	100
2010	81,879,056	818,687	11,400,000	82,697,743	94,097,743	114

See notes to required supplementary information.



**NOTES TO REQUIRED SUPPLEMENTARY INFORMATION**

1. Ordinance 03-576 of 2003 provided amendments and clarifications to the plan provisions that affect current and future active members. The ordinance clarified the provisions regarding service credit while members are on military leave of absence to conform to federal and state laws. The improvements amended or added provisions to allow certain members to purchase previous service credits lost due to separation from service, to allow members to purchase up to 6 months of Maryland Police Corps training time for service credit, and to allow members to transfer certain service credits from former federal and state governmental pension and retirement systems outside the state of Maryland. The ordinance also placed restrictions on how much service credit can be transferred to the F&P from other qualified plans based on whether the service was in a uniformed position or civilian position. In addition, the ordinance added restrictions to the service retirement requirements and to the eligibility requirements to enter the Deferred Retirement Option Plan for members who enter the F&P on or after July 1, 2003, and required a minimum of ten years of service as a member of the F&P and as an employee paid by the Mayor and City Council of Baltimore. The ordinance did not have a material financial impact on the System.
2. Preceding the preparation of the June 30, 2005 Actuarial Valuation Report, the System's actuary performed an Actuarial Experience Study for the three year period ended June 30, 2005. As a result of the Experience Study, the Board of Trustees adopted changes in actuarial assumptions which included increases to the salary scale for most ages, reductions to pre-retirement and post-retirement mortality rates, increases to withdraw rates for members under age 50, decreases to withdraw rates for members over age 50, reductions to non-line-of-duty disability rates for members age 40 and above, increases to line-of-duty disability rates for ages 44 and below, an increase to the DROP participation rate, and changes to both DROP and non-DROP retirement rates. These assumption changes, which were incorporated into the June 30, 2005 actuarial valuation, increased the actuarial accrued liability \$39.5 million. The Board approved utilization of \$34.3 million of excess investment earnings to reduce the increase in the unfunded accrued liability.
3. A plan provision that required that excess earnings be credited and deficit earnings be charged to certain actuarial reserves, expired on June 30, 2005. The purpose of the reserves, established June 30, 1996, was to segregate excess positive earnings that could then be utilized by the City to reduce its required employer contributions to the plan and by the plan membership to "purchase" benefit improvements. The reserves were initially utilized for those two purposes. Subsequently, however, because of the downturn in the global equity markets in fiscal years 2001 through 2003, the reserves have instead accumulated net deficit earnings of \$412.8 million as of June 30, 2005. The plan provision requires that the Board of Trustees apply the deficit in the reserves in accordance with an appropriate asset valuation method. The City Administration requested that a 10-year amortization of the accumulated net deficit be utilized. It is expected that the City's employer contributions to the plan will substantially increase in future years due to this deficiency.
4. Ordinance 10-306, signed by the Mayor on June 22, 2010, provided amendments and clarifications to the plan that affect current and future members and retirees. The Ordinance, which was clarified by Ordinance 10-357 and signed by the Mayor on August 10, 2010: (1) modified the plan's variable post-retirement increase benefit provisions by changing to a guaranteed, fixed increase: 1% for eligible retirees and beneficiaries aged 55 to 64 who have been receiving periodic benefit payments for 2 or more years as of June 30, 2011, beginning in January 2012; and 2% for eligible retirees and beneficiaries aged 65 and older and for 100% line-of-duty disability retirees and their beneficiaries who have been receiving periodic benefit payments for 2 or more years as of June 30, 2010, beginning in January 2011; and no increases for retirees less than 55 years of age; (2) changed the age and service requirements for a normal service retirement benefit for all non-grandfathered members (members who, as of June 30, 2010, did not meet the eligibility requirements for a service retirement benefit or had fewer than 15 years of service) to the earlier of 25 years of service or age 55, with at least 15 years of service as an F&P member; (3) established a new early service retirement benefit for non-grandfathered members by allowing members who are not eligible for the new normal service retirement to retire at or after their former retirement eligibility date and receive a reduced early retirement benefit; (4) changed the definition of "average final compensation" for non-grandfathered members to mean a member's salary over 36 consecutive months during which pay was highest; (5) increased DROP 2 eligibility to 25 years of service as a contributing F&P member for non-grandfathered members with at least 15 years of service as of June 30, 2010; (6) increased the percentage of compensation contributable by all members to 7%, effective

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland

**NOTES TO REQUIRED SUPPLEMENTARY INFORMATION**

July 1, 2010, 8%, effective July 1, 2011, 9%, effective July 1, 2012, and 10%, effective July 1, 2013; (7) reduced interest paid by the plan on withdrawal of accumulated contributions and lump-sum death benefits from 5.5% to 3.0% for all members; (8) reduced interest paid by the plan on DROP 2 accounts from 5.5% to 3.0% for members with less than 15 years of service; (9) established a new minimum annual benefit of \$16,000 payable to spousal beneficiaries of sworn members who, before August 1, 1996, retired or died in service with 20 or more years of service; (10) allowed pre-employment military service to be used to satisfy eligibility for a normal service, DROP, or DROP 2 retirement for all members; (11) lowered the plan's long-term investment earnings assumption from 8.25% to 8.0%; and (12) expanded the plan's Board of Trustees to add the City's Director of Finance and a third mayoral appointee and established new professional qualifications for the mayoral appointees.

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**SCHEDULE OF ADMINISTRATIVE EXPENSES**  
For the Year Ended June 30, 2010

Salaries and Wages:		
Permanent full-time salaries	\$ 1,263,108	
Overtime	<u>16,190</u>	
Total Salaries and Wages		\$ 1,279,298
Other Personnel Costs:		
Medical insurance and health care	198,937	
Retirement	99,033	
Social security	93,802	
Other employee benefits	<u>11,276</u>	
Total Other Personnel Costs		403,048
Contractual Services:		
Technology systems support	460,251	
Retirement payroll processing	267,610	
Lease payments	235,449	
Actuarial services	198,440	
Other professional services	104,150	
Postage	35,501	
Equipment rental	33,673	
Financial audit fees	26,000	
Telephone systems	20,947	
Dues and publications	20,598	
Board meeting expense	14,071	
Trustee education	12,213	
Staff training	9,287	
Printing	8,981	
Equipment maintenance	<u>5,566</u>	
Total Contractual Services		1,452,737
Depreciation expense		158,802
Office supplies		12,282
Computer equipment		3,544
Office furniture		<u>1,975</u>
Total Administrative Expenses		<u>\$ 3,311,686</u>

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**SCHEDULE OF INVESTMENT EXPENSES**  
**SCHEDULE OF PAYMENTS TO CONSULTANTS**  
 For the Year Ended June 30, 2010

**Schedule of Investment Expenses**

<b>Investment Expenses</b>	<b>Fees</b>
Investment management fees	\$5,543,109
Securities lending fees	166,601
Investment advisor fees	277,334
Custodial fees	166,930
<b>Total Investment Expenses</b>	<b><u>\$6,153,974</u></b>

**Schedule of Payments to Consultants**

<b><u>Firm</u></b>	<b><u>Fees</u></b>	<b><u>Nature of Service</u></b>
Mercer	\$198,440	Actuarial services
TeleCommunication Systems	172,838	Technology systems support
Magothy Technology	106,563	Technology systems support
Baltimore City Department of Audits	26,000	Financial audit
Bogdan Computer Services	11,248	Technology systems support
Digicon Corporation	7,664	Technology systems support
<b>Total Paid to Consultants</b>	<b><u>\$522,753</u></b>	

Note: A schedule of fees and commissions is also illustrated in the Investment Section on page 56.

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Investment Section





December 14, 2010

To the Board of Trustees of the  
Fire & Police Employees' Retirement System of the City of Baltimore

**Introduction**

This report, prepared for the Fire & Police Employees' Retirement System of the City of Baltimore (System) by Summit Strategies Group (Summit) is based on information supplied by the System's custodian, BNY Mellon. BNY Mellon provides Summit with beginning and ending market values, cash flows, securities transactions and positions for the System as well as each manager, where applicable. BNY Mellon audits the information contained in its monthly accounting reports. Summit uses BNY Mellon's monthly reports to calculate performance returns for the System and the Trustees.

**Distinction of Responsibilities**

The System's Board of Trustees (the Trustees) is responsible for the investment and administration of System assets. This includes establishing the strategic asset allocation that, over time, is the primary determinant of investment return on assets. A thorough understanding of both the System's assets and liabilities is essential for determining an appropriate asset allocation. The key drivers of this analysis are the projections of the System's liabilities and the projections of expected future returns and risk (as measured by standard deviation of returns) for each asset class as well as correlation between asset classes. The liabilities include all key dimensions of the System's pension plan: membership, benefits, liabilities, assets, and funding requirements. In February 2010, the Trustees adopted a modified target asset allocation, which is shown in the table below. This was the target allocation in place at fiscal year-end 2010.

**Investment Policy/Structure**

The asset allocation adopted by the Trustees is included in the System's investment policy. The System employs various investment managers to implement the asset allocation within the guidelines and limitations contained in the investment policy. System assets are invested using numerous investment managers so as to diversify the System's assets among multiple asset classes and investment styles. Each investment manager is delegated full investment discretion for its respective portfolio including the discretion to purchase and sell individual securities, and control industry and economic sector exposure.

The System's investment policy is designed to provide broad diversification among asset classes in order to maximize return at an appropriate level of risk and to minimize the risk of large losses to the System. In addition, asset allocation ranges, target allocations and a process of periodic rebalancing are used to maintain compliance with the investment policy and to increase the likelihood that the System will achieve its long-term risk and return objectives. The following table outlines the System's long-term target asset allocation:

<b>Asset Class</b>	<b>Allocation Target</b>
US Equity	28%
International Equity	27%
Private Equity	5%
<b>Total Equity</b>	<b>60%</b>
Fixed Income	18%
Real Estate	10%
Hedge Funds	7%
Energy MLP	5%
<b>Total Portfolio</b>	<b>100%</b>

Within each asset class, the Trustees employ several investment managers to further diversify the investment approach and to minimize style biases. The Trustees may employ both active and passive investment strategies to obtain the desired asset allocation mix in a cost effective and efficient manner.

### **Investment Objectives**

The System's investment policy contains the following objectives:

1. To preserve the inflation-adjusted capital value of the System;
2. To ensure adequate liquidity to meet benefit liabilities as they fall due;
3. To meet the actuarial interest rate assumptions; and
4. To exceed the investment return objective without unduly jeopardizing objectives 1-3.

The investment return objective is a hypothetical policy portfolio constructed as follows (at fiscal year-end): 33% Russell 3000 Index, 27% MSCI All Country World Ex-US Index, 10% Barclays Capital Aggregate Index, 2% Barclays Capital US Corporate High Yield Index, 4% Barclays Capital US TIPS Index, 2% Barclays Capital Global Aggregate Index, 10% NCREIF Property Index, 7% HFRI Fund of Funds Composite Index, and 5% Alerian MLP Index. In addition, the System's investment performance is evaluated relative to the Mellon Trust Universe of Public Pension Funds; a performance universe representing the performance of 432 public pension plans with an aggregate market value of \$1.03 trillion as of June 30, 2010. Finally, each investment manager is measured and evaluated against its relevant broad market index and style peer universe.

### **Market Overview**

Capital markets returns were generally positive for the fiscal year ended 6/30/2010, performing well in the first three quarters but overall negative in the fourth fiscal quarter. US GDP (real) rose in all but the last quarter of the fiscal year ended June 30, 2010, for a fiscal year GDP increase of 3.0%. Inflation also rose, with CPI increasing 1.1% over the fiscal year. Unemployment remained high but consistent with the previous fiscal year, ending the 12-month period at 9.5%.

Global markets finally hit a bump in the road in the late spring and early summer of 2010. The Greek Debt Crisis and the "Flash Crash" in May put some fear back into the hearts of investors and the equity and fixed income markets show the scars. This kind of volatility shows that the worry and doubt fostered by the terrible market freefall of late 2008 and early 2009 have not been fully exorcised. It is naive to think that the capital markets would charge fearlessly forward without pause but it makes one wonder about what lessons we have learned.

The capital markets were generally negative in the last fiscal quarter (2Q10), but generally positive for the fiscal year ended June 30, 2010, as riskier assets continued to prevail. Emerging markets stocks (MSCI EM Index) posted the highest return during the 12-month period, up 23.2%. For the fiscal year, domestic equities, as measured by the Russell 3000 Index, rose 15.7%. International stocks, as measured by the MSCI EAFE Index, rose 5.9% for the fiscal year. In the credit markets, high yield was the place to be, with the Barclays Capital High Yield Index up 26.8%. For the fiscal year, the domestic investment grade bond market, as measured by the Barclays Capital Aggregate Bond Index, returned a positive 9.5% thanks to the continuing demand for U.S. Treasuries and corporate bond spreads narrowing.

For the quarter ended June 30, 2010, however, the story is a bit different. Domestic equity gave back the YTD gains as fears of a "Double Dip" recession sent investors running for cover. Surprisingly, large cap stocks fared slightly worse than small caps, but results were bad across the board. The mysterious "Flash Crash" and fears of a sovereign debt default in Europe lit the fuse that another global recession was coming, but it didn't materialize during the period. In fact, domestic markets rallied off the lows; while down substantially, market returns were not catastrophically bad and investors hung in.

Non-US equity also suffered due to a flight to the dollar in response to the Euro crisis – the German bailout of Greece was seen as a prelude of more to come. In an interesting decoupling, emerging markets outperformed the developed world; growth prospects, lack of debt, and a demographic advantage are all aligning for the developing world.

Bonds have benefited from a general flight from risk (equities) and a fear of deflation. Treasuries rallied strongly in the second quarter, driving low interest rates even lower. The pump is being primed for something to happen in the Treasury sector – there is little compensation for investors.



**Investment Performance**

For investment performance measurement purposes, the total investment portfolio is split between "actively managed" accounts and "other" assets. "Other" assets consist of the Cash Reserve, held for the payment of benefits and administrative expenses, and "Post Retirement" assets held in immunized portfolios dedicated solely to paying post retirement benefit increases. It is only the actively managed assets that are displayed below. Summit calculates and reports all returns in accordance with Global Investment Performance Standards (GIPS). As an investment consultant, Summit is prohibited from stating that investment performance is shown "in compliance with" or "in accordance with" GIPS, as GIPS compliance is reserved solely for use by investment management firms. However, Summit strives to uphold and maintain the guiding principles underlying GIPS standards, both ethically and in its performance calculation methodology. Accordingly, all performance returns are calculated using a time-weighted methodology known as the Modified Dietz method. This algorithm attempts to eliminate the effects of cash flows and geometrically links period returns.

For the fiscal year ended June 30, 2010, the System's rate of return was 15.3% and ranked in the 12th percentile of the Mellon Trust Public Fund Universe. The System's Investment Policy calls for measuring performance over rolling 3-5 year periods. Accordingly, the System has compounded at annual rates of return of (5.9%) and 2.3% for the last 3 and 5 years, ranking in the 92nd and 66th percentiles for those periods respectively. For the previous four consecutive fiscal years, however, the System ranked in the 93rd, 85th, 3rd, and 12th percentiles respectively. The Fund outperformed its policy benchmark return of 12.6% for the current fiscal year, due in part to:

- Strong outperformance by the domestic equity managers in aggregate.
- Higher than average allocation to international equity, and significant outperformance by active managers.
- Significant outperformance of the fixed income portfolio.

The market value of the actively managed accounts increased from \$1.21 billion on June 30, 2009, to \$1.36 billion on June 30, 2010. The increase in value is primarily attributable to strong market returns in all but the last fiscal quarter, outperformance of strategic asset allocation, and outperformance by most active managers for the 12-month period. At the end of fiscal year 2010, the System's assets were allocated as follows:

	Market Value (\$ in millions)	Percent of Total	Fiscal Year Rate of Return	
			System	Benchmark
US Equity	\$507.7	37.4%	19.7%	15.7%
International Equity	\$326.2	24.0%	22.0%	10.9%
US Fixed Income	\$213.0	15.7%	22.1%	9.5%
Hedge Funds	\$81.7	6.0%	3.3%	5.1%
Real Estate	\$144.9	10.7%	(11.7%)	(1.5%)
Private Equity	\$84.0	6.2%	N/A	N/A
<b>Total Managed Assets</b>	<b>\$1,357.5</b>	<b>100.0%</b>	<b>15.3%</b>	<b>12.6%</b>

**Of Note**

Pending at the end of the fiscal year was: in-depth review of underperforming managers, restructuring the fixed income portfolio, identification of private equity and real assets managers for new commitments, and an asset/liability study.

Regardless of the economic or capital market climate, it is a pleasure to serve the System, and to work with Staff and the Trustees. I look forward to the continued search for competitive investment returns in the current challenging capital market environment.

Sincerely,



Daniel J. Holmes  
 Managing Director

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**OUTLINE OF INVESTMENT OBJECTIVES AND POLICIES**

**Investment Objectives**

The primary investment objectives of the Board of Trustees (Board) of the Fire and Police Employees' Retirement System (F&P, System) are set forth below. It is recognized that maximizing any one objective may compromise the achievement of other objectives. For example, maximizing liquidity may reduce investment return; seeking maximum investment return may subject capital preservation to higher risk. Accordingly, the investment objectives are given in descending order of priority:

1. To preserve the capital value of the System assets adjusted for inflation;
2. To ensure adequate System liquidity to meet benefit liabilities as they fall due;
3. To meet the actuarial interest rate assumption; and
4. Without unduly jeopardizing the above objectives, to exceed the investment return objective by the astute management of funds.

**General Investment Policy**

The Board must comply with investment restrictions imposed by the laws of the City of Baltimore and any other State or Federal laws dealing with investment of public retirement plan assets. System investment managers are expected to familiarize themselves with these laws.

Investment policy for the System relates to the portfolio of all assets that comprise the total holdings of the System. The Board recognizes that the objective of a sound and prudent policy is to produce investment results that will preserve the assets of the System, as well as to maximize earnings of the F&P consistent with its long-term needs. These long-term needs have been ascertained through various studies performed on behalf of the Board by its actuary and its investment advisor. Investment policy and the long-term average allocation of plan assets to which they refer are deemed to be consistent with the projected pattern of cash flows to the F&P and its projected benefit payments. Should the projected finances of the System change significantly, the applicable Federal or State statutes be amended, or changes in the System's asset valuation methods be adopted, these policies and average asset allocations will be reviewed and modified by the action of the Board, if appropriate.

The Board recognizes that its investment portfolio must be diversified over several different asset classifications in order to reduce risk. The following asset allocation has been established as an overall objective for the total holdings of the System:

**Percentage of Total Fund  
at Market Value**

<u>Asset Category</u>	<u>Target</u>
Domestic Equity	28%
International Equity	27%
Private Equity	5%
Energy MLP	5%
Fixed Income	18%
Real Estate	10%
Hedge Funds	7%

Within each major asset classification, investments are further diversified. Excessive concentration in any particular security, company or industry is to be avoided. Investment guidelines have been supplied to each of the System's investment managers. Subject to these objectives and guidelines, and the System laws, the investment managers have full discretion in investment decisions. Managers are advised to notify the Board in writing if these objectives cannot be met or if the guidelines constrict performance. The investment managers are encouraged to suggest changes to the guidelines at any time.

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland

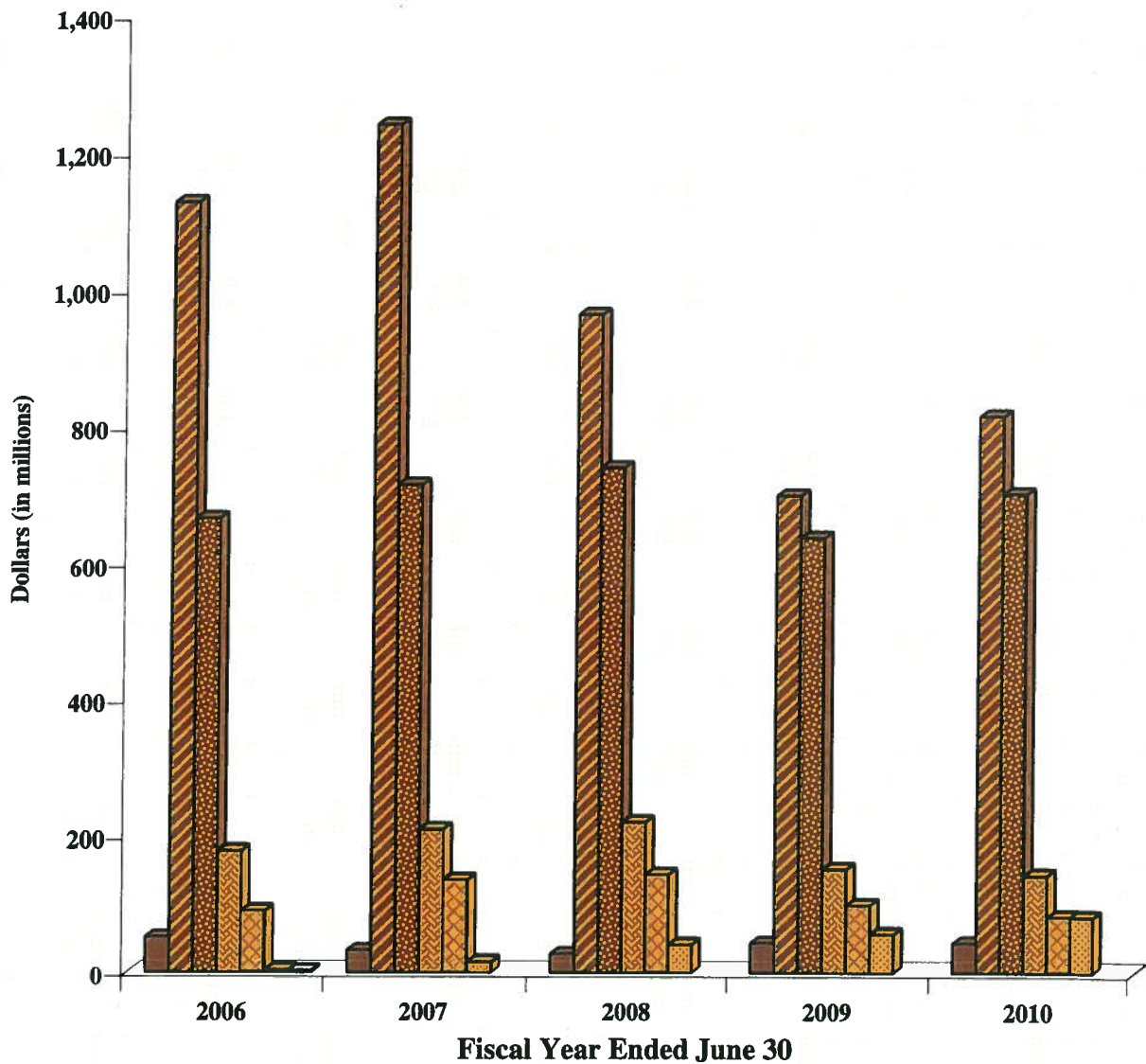
## **OUTLINE OF INVESTMENT OBJECTIVES AND POLICIES**

### **Proxy Voting**

Pursuant to a U.S. Department of Labor directive, the Board has a long standing policy that, when solicitations of proxies with respect to securities are received by an investment manager, the decisions as to whether and how to vote such proxies are delegated to that investment manager.

The Board also recognizes, however, that the investment manager's decisions must be made in accordance with applicable legal standards and that the Board has an obligation to ensure that those standards are being observed. Therefore, the Board requests that annually (June 30) each management firm furnish the System with a written statement of their policy and practices with respect to the voting of securities held in their employee benefit plan asset portfolios, together with their written assurance that such policies and practices are being followed. These statements and assurances will be included, and will be given appropriate weight, in the Board's continuing evaluation of each manager's overall investment performance.

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**TOTAL PORTFOLIO COMPOSITION**  
**MARKET VALUE OF INVESTMENTS**



Cash
  Stock
  Bonds
  Real Estate
  Hedge Funds
  Private Equity

	2006		2007		2008		2009		2010	
Cash	\$ 51	3%	\$ 32	1%	\$ 27	1%	\$ 43	3%	\$ 43	2%
Stock	1,129	54	1,242	53	966	45	701	41	818	44
Bonds	666	31	716	30	742	35	639	38	704	38
Real Estate	178	8	210	9	221	10	152	9	143	8
Hedge Funds	90	4	136	6	144	7	99	6	82	4
Private Equity	4	0	16	1	41	2	57	3	82	4
<b>Total</b>	<b>\$ 2,118</b>	<b>100%</b>	<b>\$ 2,352</b>	<b>100%</b>	<b>\$ 2,141</b>	<b>100%</b>	<b>\$ 1,691</b>	<b>100%</b>	<b>\$ 1,872</b>	<b>100%</b>

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**INVESTMENT RESULTS - TIME WEIGHTED RATE OF RETURN**

<u>Total Returns</u>	<u>Annualized</u>			
	<u>FY 2010</u>	<u>3 Years</u>	<u>5 Years</u>	<u>10 Years</u>
<b>TOTAL PORTFOLIO</b>	15.3%	(5.9)%	2.3%	2.3%
Composite Benchmark	12.6	(3.8)	3.0	2.8
<b>DOMESTIC EQUITIES</b>	19.7	(9.9)	(0.5)	(0.4)
S&P 500 Index	14.4	(9.8)	(0.8)	(1.6)
Russell 1000	15.2	(9.5)	(0.6)	(1.2)
Russell 2000	21.5	(8.6)	0.4	3.0
Russell 3000	15.7	(9.5)	(0.5)	(0.9)
<b>INTERNATIONAL EQUITIES</b>	22.0	(6.0)	7.0	4.6
MSCI ACWI Free Ex-US	10.9	(10.3)	3.8	2.3
<b>DOMESTIC FIXED INCOME</b>	22.1	9.1	6.8	7.1
Barclays Capital US Government/Credit	9.7	7.4	5.3	6.5
Barclays Capital Aggregate	9.5	7.6	5.5	6.5
<b>PRIVATE EQUITY</b>	13.1	(1.1)	(0.2)	N/A
<b>HEDGE FUND</b>	3.3	(2.1)	3.8	N/A
HFRI FOF Conservative Index	5.1	(3.8)	1.6	3.1
<b>REAL ESTATE</b>	(11.7)	(14.5)	(2.7)	3.8
NCREIF Property Index	(1.5)	(4.7)	3.8	7.2

Notes:

This schedule illustrates the investment results of the "managed" investment portfolio which excludes assets of the Paid Up Benefit Reserve, Contingency Reserve and the operating cash reserve.

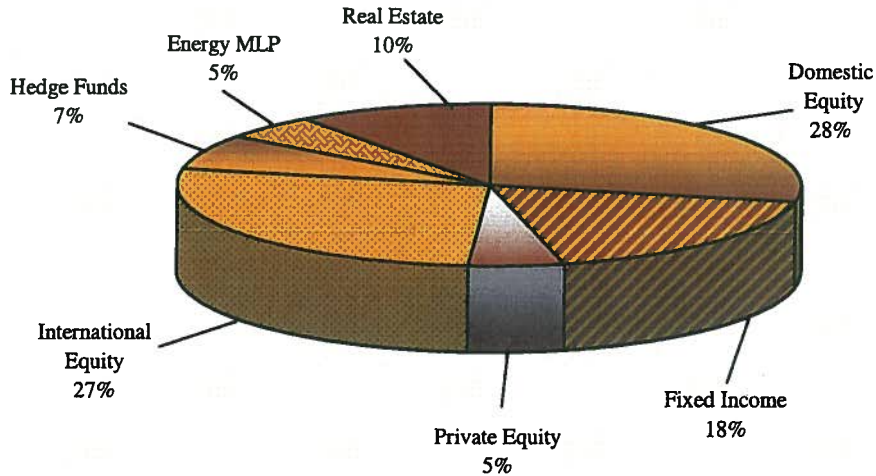
The total investment portfolio result which includes the fixed income Paid Up Benefit and Contingency Reserves for the fiscal year is 14.5%. The fixed income portfolio, including the reserves, result for the fiscal year is 17.0%.

The composite returns above were calculated by the System's investment advisor, who used a time weighted rate of return based on market value.

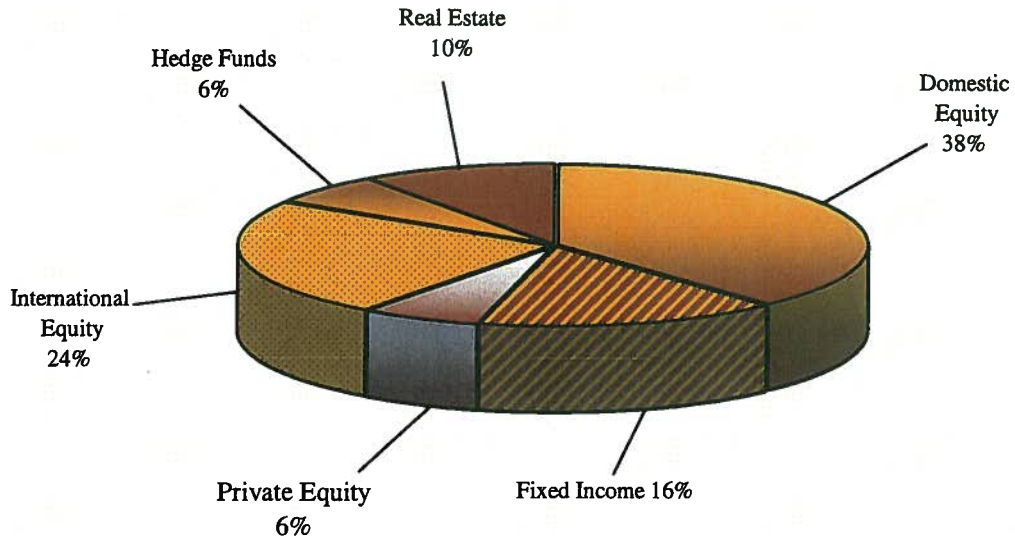
The Composite Benchmark exhibits the overall rate of return for a sample unmanaged portfolio. At fiscal year end 2010, the Composite Benchmark is comprised of 33% Russell 3000 Index, 27% MSCI All Country World Ex-US Index, 10% Barclays Capital Aggregate Index, 2% Barclays Capital US Corporate High Yield Index, 4% Barclays Capital US TIPS Index, 2% Barclays Capital Global Aggregate Index, 10% NCREIF Property Index, 7% HFRI Fund of Funds Composite Index, and 5% Alerian MLP Index.

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**ASSET ALLOCATION - ACTIVELY MANAGED ACCOUNTS**  
 For the Period Ended June 30, 2010

**TARGET ASSET ALLOCATION**



**ACTUAL ASSET ALLOCATION**



Note: For asset allocation purposes, only actively managed accounts are included. Assets of the Paid Up Benefit Reserve and the Contingency Reserve are not included in this illustration. During the fiscal year 2010, the assets of these reserves were invested separately for the sole purpose of providing post retirement benefit increases. Assets in the cash reserve are also excluded from this illustration. These assets are held for the purpose of providing cash for the payment of benefits and administrative expenses.

Fire and Police Employees' Retirement System

City of Baltimore, Maryland

**TOP TEN DOMESTIC AND INTERNATIONAL STOCK HOLDINGS BY MARKET VALUE**

**TOP TEN BOND HOLDINGS BY MARKET VALUE**

June 30, 2010

**Top Ten Domestic Stock Holdings**

	<b>Shares</b>	<b>Stock</b>	<b>Market Value</b>
1)	185,754	Merck & Co Inc	\$6,495,817
2)	259,169	AT&T Inc	6,269,298
3)	23,300	Apple Inc	5,860,649
4)	203,400	Home Depot Inc	5,709,438
5)	76,095	Chevron Corp	5,163,807
6)	84,121	Exxon Mobil Corp	4,800,811
7)	72,300	McDonalds's Corp	4,762,401
8)	327,223	Pfizer Inc	4,666,200
9)	165,814	Kraft Foods Inc	4,642,792
10)	104,502	Hewlett Packard Co	4,522,847

**Top Ten International Stock Holdings**

	<b>Shares</b>	<b>Stock</b>	<b>Market Value</b>
1)	41,700	Fanuc Co NPV	\$4,778,370
2)	464,073	Rolls Royce Group Ord GBPO.20	3,905,435
3)	329,532	Reed Elsevier NV EURO.07	3,681,635
4)	19,031	Hyundai Heavy Ind Co KRW5000	3,659,912
5)	57,106	Sanofi-Aventis EUR2	3,464,581
6)	70,540	Novartis AG CHFO.50 REGD	3,440,816
7)	130,532	TNT NV EURO.48	3,322,486
8)	62,644	AKZO Nobel NV EUR2	3,299,887
9)	56,580	Technip Sa EUR	3,298,910
10)	14,719	Zurich Financial Services AG CHFO.1	3,269,069

**Top Ten Bond Holdings**

	<b>Par</b>	<b>Bonds</b>	<b>Market Value</b>
1)	72,870,000	U S Treasury Bond Strip 05/15/2030	\$32,899,348
2)	30,000,000	Israel St AID Zero Cpn 11/15/2013	28,367,100
3)	38,700,000	U S Treasury Strip 08/15/2020	27,540,855
4)	12,605,000	U S Treasury Bond 5.000% 05/15/2037	15,023,647
5)	21,309,000	GOVT Ln Tr CTF CL 1-Z Zero Cpn 10/01/2020	13,766,040
6)	18,700,000	Israel St AID Zero Cpn 08/15/2021	11,994,367
7)	15,800,000	U S Treasury Strip 05/15/2021	10,818,734
8)	19,000,000	U S Treasury Bond Strip 08/15/2026	10,204,520
9)	33,300,000	U S Treasury Bond Strip 08/15/2039	10,080,909
10)	10,000,000	Israel St AID Zero Cpn 03/15/2012	9,838,600

A complete list of portfolio holdings is available upon request.

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**INVESTMENT SUMMARY**  
June 30, 2010

	<u>Market Value</u>	<u>Percent of Total Investments</u>
<b>Stock:</b>		
U.S. Common Stock		
Financial	\$ 122,694,390	6.71%
Technology	66,351,613	3.63
Consumer services	56,329,683	3.08
Energy	42,401,428	2.32
Health care	40,010,801	2.19
Consumer durables	37,764,041	2.06
Consumer nondurables	25,879,553	1.41
Basic industries	22,116,101	1.21
Capital goods	20,635,028	1.13
Transportation	13,004,084	0.71
Utilities	6,785,576	0.37
Total U.S. Common Stock	<u>453,972,298</u>	<u>24.82</u>
Other		
International Stock	320,970,379	17.56
Large cap index fund	<u>42,972,571</u>	<u>2.35</u>
Total Other	<u>363,942,950</u>	<u>19.91</u>
<b>Total Stock</b>	<b><u>817,915,248</u></b>	<b><u>44.73</u></b>
<b>Bonds:</b>		
U.S. Securities and Agencies		
Treasury notes and bonds	139,448,815	7.63
U.S. Agencies	<u>117,392,190</u>	<u>6.42</u>
Total U.S. Securities and Agencies	<u>256,841,005</u>	<u>14.05</u>
Corporate		
Financial	238,230,133	13.03
Industrial	68,837,467	3.76
Transportation	36,154,479	1.98
Utilities	<u>29,191,188</u>	<u>1.60</u>
Total Corporate	<u>372,413,267</u>	<u>20.37</u>
Barclay Aggregate Index	7,492,314	0.41
Absolute Return Strategic Funds	66,755,171	3.65
<b>Total Bonds</b>	<b><u>703,501,757</u></b>	<b><u>38.48</u></b>
<b>Other Investments:</b>		
Real estate	143,366,959	7.84
Hedge funds	81,874,471	4.48
Private equity funds	<u>81,662,058</u>	<u>4.47</u>
<b>Total Other Investments</b>	<b><u>306,903,488</u></b>	<b><u>16.79</u></b>
<b>Total Investments</b>	<b><u>\$1,828,320,493</u></b>	<b><u>100.00%</u></b>



Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**SUMMARY SCHEDULE OF FEES AND COMMISSIONS**  
For the Year Ended June 30, 2010

	<u>Assets Under Management</u>	<u>Fees</u>
<b>Investment Managers' Fees</b>		
Domestic equity	\$507,653,851	\$2,722,209
International equity	326,169,593	1,380,506
Fixed income	212,964,834	1,142,526
Real estate	144,328,979	297,868
Securities lending		<u>166,601</u>
<b>Total Investment Managers' Fees</b>		<b><u>\$5,709,710</u></b>
<b>Other Investment Service Fees:</b>		
Custodial fees		\$166,930
Investment advisor fees		<u>277,334</u>
<b>Total Other Investment Service Fees</b>		<b><u>\$444,264</u></b>

**Brokerage Fees**

Broker's fees on investment transactions for the year ended June 30, 2010 amounted to \$979,799. Brokerage firms receiving more than \$6,900 in fees are listed below.

<u>Brokerage Firms</u>	<u>Fees Paid</u>	<u>Brokerage Firms</u>	<u>Fees Paid</u>
Percival Financial, LTD	\$76,757	Morgan Keegan & Company	\$13,144
UBS	57,856	Liquidnet Inc.	12,865
Morgan J P Securities Inc.	54,132	GRW Capital Corp	12,708
Credit Suisse First Boston	52,641	Abel Noser Corp	10,716
Morgan Stanley & Co.	49,926	Wells Fargo Securities, LLC	9,739
BNY	45,890	Investment Technology Group	9,340
Merrill Lynch	45,836	Cantor Fitzgerald & Company	9,292
Instinet Corp	45,226	National Financial Services Corp	9,059
Barclays Capital LE	30,417	Nomura Securities Intl Inc.	8,777
Citigroup GBL Markets	28,336	Rosenblatt Securities LLC	8,511
Weeden & Company	28,184	RBC Capital Markets Corp	8,363
Deutsche Banc Alex Brown Inc.	27,980	Cowen and Company LLC	8,056
Goldman Sachs	26,900	Friedman Billings	7,854
Jefferies & Company	22,553	Piper Jaffray & Company	7,840
Stifel Nicolaus	15,249	Baird, Robert W & Co., Inc.	6,948

**Brokerage Commissions**

Because of the highly visible nature of the Fire and Police Employees' Retirement System, it is important that the investment managers have best execution as their primary objective. While the managers are permitted to direct a portion of brokerage commissions for research, it is expected that each manager will receive commission discounts which are commensurate with current discount practice. Investment managers are expected to give preference whenever possible to brokerage firms with offices located in the Baltimore Metropolitan Area. However, the managers are expected to negotiate commission rates, and local brokerage firms should be given preference only when commission rates and transaction services are competitive with those available from other firms.

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**INVESTMENT PROFESSIONALS**

**DOMESTIC EQUITY MANAGERS**

**Large Cap**

INTECH  
Jennifer Young  
Palm Beach Gardens, Florida

The Edgar Lomax Company  
Randall Eley  
Springfield, Virginia

Mellon Capital Management  
Karen Wong  
San Francisco, CA

Columbus Circle Investors  
Anthony Rizza  
Stamford, Connecticut

**Small and Mid Cap**

Pinnacle Associates, Ltd.  
Peter Marron  
New York, New York

Rothschild Asset Management Inc  
T. Radey Johnson  
New York, New York

Hotchkis & Wiley Capital Management  
Sheldon Lieberman  
Los Angeles, California

**INTERNATIONAL EQUITY MANAGERS**

William Blair & Co.  
George Greig  
Chicago, Illinois

Aberdeen Asset Management, Inc.  
Devan Kaloo  
London, England

Causeway Capital Management, LLC  
Sarah Ketterer  
Los Angeles, California

**Hedge Fund of Funds**

Union Bancaire Privee Asset Management, LLC  
Peter Barcia  
New York, New York

Cadogan Management, LLC  
Peter Hommeyer  
New York, New York

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**INVESTMENT PROFESSIONALS**

**FIXED INCOME MANAGERS**

Loomis Sayles & Company, L.P.  
Clifton Rowe  
Boston, Massachusetts

Western Asset Management Company  
Steve Walsh  
Pasadena, California

MacKay Shields  
Michael Kimble  
New York, New York

Mellon Capital Management  
Susan Ellison  
San Francisco, California

**REAL ESTATE MANAGERS**

Principal Global Investors  
John Berg  
De Moines, Iowa

LaSalle Investment Management, Inc.  
James Hutchinson  
Chicago, Illinois

Blackrock Realty  
Jay Alexander, Theodore Koros  
Florham Park, New Jersey  
San Francisco, California

DLJ Real Estate  
Andy Rifkin  
New York, New York

AREA Property Partners  
Steven M. Wolf  
Atlanta, Georgia

Alex Brown Realty  
John M. Prugh  
Baltimore, Maryland

ING Clarion  
Stephen Hansen  
New York, New York

Angelo Gordon Real Estate  
Keith Barket  
New York, New York

**PRIVATE EQUITY**

Pantheon  
Brett Johnson  
San Francisco, California

BlackRock  
Russell Steenberg  
Plainsboro, New Jersey

Capital Dynamics  
Thomas Kubr  
New York, NY

LGT Capital Partners  
Tycho Snyers  
New York, NY

Adams Street Partners  
Miguel F. Gonzalo  
Chicago, Illinois

Squadron Capital Advisors  
David Pierce  
Hong Kong

Maryland Venture Capital Trust  
Baltimore, Maryland

Siguler Guff  
Thomas McGowan  
New York, NY

Drum Capital Management, LLC  
Amber Tencic  
South Norwalk, Connecticut

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**INVESTMENT PROFESSIONALS**

**GLOBAL CUSTODIAN**

BNY Mellon Asset Servicing  
Arlene Sefcik  
Pittsburgh, Pennsylvania

**SECURITIES LENDING**

BNY Mellon Asset Servicing  
Stephen R. Crosby  
Pittsburgh, Pennsylvania

**INVESTMENT ADVISOR**

The Summit Strategies Group  
Daniel Holmes  
St. Louis, Missouri

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# Actuarial Section



# MERCER



MARSH MERCER KROLL  
GUY CARPENTER OLIVER WYMAN

October 27, 2010

Board of Trustees  
Fire & Police Employees' Retirement System  
Baltimore, Maryland

Honorable Members of the Board of Trustees:

Mercer performs an actuarial valuation of the System at the end of each fiscal year. In this Comprehensive Annual Financial Report (CAFR), all supporting schedules in the Actuarial Section and the Schedule of Funding Progress and the Schedule of Employer Contributions in the Financial Section have been prepared by the System based on the information included in Mercer's report on the annual actuarial valuation.

The most recent valuation was as of June 30, 2010. The actuarial valuation report was prepared for the System's Trustees exclusively for the following purposes:

- Present the results of a valuation of The Fire and Police Employees' Retirement System of the City of Baltimore as of June 30, 2010.
- Review plan experience for the year ended June 30, 2010.
- Provide the City contribution for the 2012 fiscal year and the State contribution for the 2011 fiscal year.
- Provide reporting and disclosure information for financial statements for governmental agencies pursuant to GASB Statements Number 25.

The funding method (also called the actuarial cost method) used in the annual valuation is the Projected Unit Credit cost method. The actuarial value of assets recognizes 20% of investment performance above or below the assumed rate of return each year. The employer's contribution is increased or decreased to amortize over 20 years the difference between the actuarial value of assets and the Actuarial Accrued Liability. Since the plan year beginning July 1, 2002, this amortization has increased the employer's contribution.

Over the long term, the actuarial methods are designed to produce reasonably level contributions as a percentage of covered payroll. However, even in the absence of plan improvements, contribution levels can rise over time. This can occur, for example, if the average age of the active members were to increase because of a decline in the number of new members being added to the plan, or if plan experience is less favorable than the actuarial assumptions for a significant period of time. Over the short term, unless investment earnings exceed assumed earnings by significant amounts, recommended contributions are likely to increase due to recognition of past investment losses. The types of events that cause volatility in the contribution rates include favorable/unfavorable investment returns, and actuarial gains or losses resulting from differences between actual experience and the assumed rates of retirement, disability, pay increases, etc.

Because actual experience will differ from the assumptions, decisions about benefit changes, investment policy, funding amounts, benefit security and/or benefit-related issues should be made only after careful consideration of alternative future financial conditions and scenarios, and not solely on the basis of a valuation report or reports.

The Trustees are solely responsible for selecting the plan's investment policies, asset allocations and individual investments. Mercer's actuaries have not provided any investment advice to the Trustees.

A valuation report is a snapshot of a plan's estimated financial condition at a particular point in time; it does not predict a plan's future financial condition or its ability to pay benefits in the future. Over time, a plan's total cost will depend on a number of factors, including the amount of benefits the plan pays, the number of people paid benefits, plan expenses and the amount earned on any assets invested to pay the benefits. These amounts and other variables are uncertain and unknowable at the valuation date, but are assumed to fall within a reasonable range of possibilities.

Because modeling all aspects of a situation is not possible or practical, we may use summary information, estimates, or simplifications of calculations to facilitate the modeling of future events in an efficient and cost-effective manner. We may also exclude factors or data that are immaterial in our judgment. Use of such simplifying techniques does not, in our judgment, affect the reasonableness of valuation results for the plan.

To prepare the valuation report, actuarial assumptions are used in a forward looking financial and demographic model to select a single scenario from a wide range of possibilities; the results based on that single scenario are included in the valuation. The actuarial assumptions are described in the valuation report. The future is uncertain and the plan's actual experience will differ from those assumptions; these differences may be significant or material because these results are very sensitive to the assumptions made and, in some cases, to the interaction between the assumptions.

Different assumptions or scenarios within the range of possibilities may also be reasonable and results based on those assumptions would be different. As a result of the uncertainty inherent in a forward looking projection over a very long

period of time, no one projection is uniquely "correct" and many alternative projections of the future could also be regarded as reasonable. Two different actuaries could, quite reasonably, arrive at different results based on the same data and different views of the future. A "sensitivity analysis" shows the degree to which results would be different if you substitute alternative assumptions within the range of possibilities for those utilized in this report. We have not been engaged to perform such a sensitivity analysis and thus the results of such an analysis are not included in this report. At the Trustees' request, Mercer is available to perform such a sensitivity analysis.

Actuarial assumptions may also be changed from one valuation to the next because of changes in mandated requirements, plan experience, changes in expectations about the future and other factors. A change in assumptions is not an indication that prior assumptions were unreasonable when made.

Because valuations are a snapshot in time and are based on estimates and assumptions that are not precise and will differ from actual experience, contribution calculations are inherently imprecise. There is no uniquely "correct" level of contributions for the coming plan year.

Valuations do not affect the ultimate cost of the Plan, only the timing of contributions into the Plan. Plan funding occurs over time. Contributions not made this year, for whatever reason, including errors, remain the responsibility of the Plan sponsor and can be made in later years. If the contribution levels over a period of years are lower or higher than necessary, it is normal and expected practice for adjustments to be made to future contribution levels to take account of this with a view to funding the plan over time.

Data, computer coding and mathematical errors are possible in the preparation of a valuation involving complex computer programming and thousands of calculations and data inputs. Errors in a valuation discovered after its preparation may be corrected by amendment to the valuation or in a subsequent year's valuation.

The 8.00% investment return assumption and certain actuarial methods are prescribed by statute. Other assumptions used are based on the last experience study, as adopted by the Trustees, or Mercer's judgment regarding the impact of plan changes on member behavior such as the timing of retirement. The City and/or the Trustees are responsible for selecting the plan's funding policy, actuarial valuation methods, asset valuation methods, and assumptions. The policies, methods and assumptions used in this valuation are those that have been so prescribed and are described in the valuation report. The System is solely responsible for communicating to Mercer any changes required thereto.

To prepare this report Mercer has used and relied on financial data and participant data supplied by the Retirement System's Office and summarized in the valuation report. The Trustees are responsible for ensuring that such participant data provides an accurate description of all persons who are participants under the terms of the plan or otherwise entitled to benefits as of June 30, 2010 that is sufficiently comprehensive and accurate for the purposes of this report. Although Mercer has reviewed the data in accordance with Actuarial Standards of Practice No. 23, Mercer has not verified or audited any of the data or information provided.

Mercer has also used and relied on the plan documents, including amendments, and interpretations of plan provisions, supplied by the Fire and Police Employees' Retirement System including Ordinance 10-306 as amended by Ordinance 10-357 effective July 1, 2010 as summarized in the valuation report. We have assumed for purposes of this valuation that copies of any official plan document including all amendments and collective bargaining agreements as well as any interpretations of any such document have been provided to Mercer along with a written summary of any other substantive commitments. The Trustees are solely responsible for the validity, accuracy and comprehensiveness of this information. If any data or plan provisions supplied are not accurate and complete, the valuation results may differ significantly from the results that would be obtained with accurate and complete information; this may require a later revision of this report. Moreover, plan documents may be susceptible to different interpretations, each of which could be reasonable, and that the different interpretations could lead to different valuation results.

The Trustees agree to notify Mercer promptly after receipt of the valuation report if the Trustees disagree with anything contained in the valuation report or are aware of any information that would affect the results of the valuation report that has not been communicated to Mercer or incorporated therein. The valuation report will be deemed final and acceptable to the Trustees unless the Trustees promptly provide such notice to Mercer.

A change to the plan provisions as well as assumptions was incorporated in both the updated June 30, 2009 valuation results shown as the June 30, 2009 results in the enclosed exhibits as well as the June 30, 2010 valuation results, both to reflect Ordinance 10-306, as amended by Ordinance 10-357.

I meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained in the valuation report. I am not aware of any direct or material indirect financial interest or relationship, including investments or other services that could create a conflict of interest, that would impair the objectivity of Mercer's work.

Respectfully submitted,

  
Douglas L. Rowe, FSA, MAAA, EA



Fire & Police Employees' Retirement System  
City of Baltimore, Maryland  
**ACTUARIAL FUNDING METHOD AND ACTUARIAL ASSUMPTIONS**

**Actuarial Funding Method**

Method of Funding:  
(Effective 6/30/1988)

The Projected Unit Credit Cost Method is used. Normal Cost is calculated as that portion of projected pension cost allocated to the participant's upcoming year of service less the amount of anticipated employee contributions. No new entrants are assumed. This is a closed group valuation.

Effective July 1, 1992, the current Unfunded Actuarial Liability is open-ended and amortized over 20 years. Gains and losses are reflected in the Unfunded Actuarial Liability.

Asset Valuation:  
(Effective 6/30/1982)

Earnings above or below the assumed return are released into the actuarial value of assets at the rate of 20% per year. This moderates fluctuations in contributions considerably.

Effective 6/30/2005, the accumulated deficit under an agreement between the City and unions representing members of the plan to use excess investment income for contribution holidays and benefit improvements is being recognized as an investment loss over 10 years.

Post Retirement Benefit Increases:  
(Effective 6/30/2010)

Based solely on age, type of retirement, and amount of time receiving retirement benefits.

**Actuarial Assumptions**

Investment return:  
(Effective 6/30/2010)

8.00% compounded annually.

According to Article 22 of the Baltimore City Code, regular member accumulations earn 3.0% and DROP and DROP 2 account accumulations earn 8.25% and 5.0% respectively.

Expenses:

Expenses are paid from the fund. It is assumed that the fund will have sufficient earnings to pay these expenses and meet the interest assumption.

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**ACTUARIAL ASSUMPTIONS**

Salary Scale:  
 (Effective 6/30/2008)

Salary increases are assumed to vary with age. Sample rates are as follows:

<u>Age</u>	<u>Annual Rate of Salary Increase</u>
20	.0800
25	.0700
30	.0625
35	.0500
40	.0500
45	.0500
50	.0500
55	.0400
60	.0400
64	.0400

The interest rate and salary assumptions are based on an inflation rate of 3.0%.

Additional Assumptions:  
 (Effective 7/1/1989)

Spouse Age: Husband assumed 4 years older than wife  
 Remarriage Rates: None  
 Children: Joint and survivor benefits loaded 4% for children  
 Percent Married: Males 75%, females 75%

Retirees and Beneficiaries

Mortality Rates for  
 Retired and Disabled  
 Members and Beneficiaries  
 (Effective 6/30/2008)  
 \*(Effective 6/30/2010)

<u>Age</u>	<u>Service Members</u>		<u>Disabled Members</u>	
	<u>Male*</u>	<u>Female*</u>	<u>Male</u>	<u>Female</u>
55	0.004758	0.002446	0.006451	0.002940
60	0.008576	0.004773	0.010671	0.004913
65	0.015629	0.009286	0.019097	0.008404
70	0.025516	0.014763	0.031079	0.016230
75	0.040012	0.024393	0.051653	0.029663
80	0.066696	0.042361	0.081603	0.049100

The mortality rates for service members are based on the 1994 Uninsured Pensioners Generational Mortality table increased by a 5-year projection in 2006. The GAM 1983 table is set forward four years and reduced by 19 percent for disabled members.

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**ACTUARIAL ASSUMPTIONS AND METHODS**

Mortality and Morbidity Rates for Active Members:  
 Sample rates for all mortality and morbidity are as follows (Effective 6/30/2008):

Age	<u>Withdrawal</u> <sup>1</sup>	Non-Line-of-Duty <u>Disability</u>	Line-of-Duty <u>Disability</u>	Non-Line-of-Duty Death <u>Male</u>	Non-Line-of-Duty Death <u>Female</u>	Line-of-Duty <u>Death</u> <sup>2</sup>
20	0.070083	0.000228	0.000864	0.000545	0.000305	0.000076
25	0.054430	0.000232	0.001138	0.000711	0.000313	0.000119
30	0.031211	0.000594	0.001792	0.000862	0.000377	0.000164
35	0.018943	0.001914	0.003520	0.000915	0.000514	0.000253
40	0.010828	0.001840	0.004988	0.001153	0.000763	0.000385
45	0.003026	0.002651	0.005644	0.001697	0.001046	0.000433
50	0.037573	0.002800	0.004600	0.002773	0.001536	0.000372
55	0.048033	0.001446	0.004664	0.004758	0.002446	0.000300
60	0.084338	0.001162	0.006208	0.008576	0.004773	0.000159
64	0.100843	0.000812	0.006353	0.013914	0.008194	0.000062

All probabilities shown on this page were based on the June 30, 2008 actuarial experience study, except non-line-of-duty death which is effective 6/30/2010.

<sup>1</sup>Withdrawal decrements are reduced to zero when participant is eligible to retire.

<sup>2</sup>Benefit loaded 0.50% for post-disability line-of-duty death benefit.

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland

**ACTUARIAL ASSUMPTIONS RETIREMENT RATES**

The retirement rates are assumed to be affected by whether or not a member participates in DROP or DROP 2. Members that do not join DROP or DROP 2 are assumed to have retirement rates that vary by service until age 50. Thereafter, they are assumed to vary solely by age. It is assumed that 90% of grandfathered members will elect to participate in DROP / DROP 2, 75% of non-grandfathered police will elect DROP 2 and 85% of non-grandfathered firefighters will elect DROP 2. Retirement rates are as follows and reflect possibilities of retirement with and without DROP/DROP 2 rates: (Effective 6/30/2010)

Grandfathered Non-DROP/DROP 2 Rates Until Age 50 (with 90% reduction)		Grandfathered Non-DROP/DROP 2 Rates After Age 50 (with 90% reduction)		Grandfathered Full DROP Rates	
Years of Service	Non-DROP Retirement Rates	Age	Non-DROP Retirement Rates	Years After Electing DROP	Retirement Rates
20	6.00%	50	0.64 %	1	4.00 %
21	2.25	51	0.46	2	5.00
22	2.25	52	0.46	3	8.00
23	2.93	53	0.47	4	10.00
24	3.38	54	0.59	5	25.00
25 or more	3.38	55	0.73	6	17.00
		56	0.69	7+	25.00
		57	0.69		
		58	0.69		
		59	1.39		
		60	2.12		
		61	1.72		
		62	2.55		
		63	2.55		
		64	3.23		
		65	100.00		

Grandfathered Full DROP 2 Rates		Fire Police	
Years After Electing DROP2	Retirement Rates	Fire	Police
1	3.25 %	4.75 %	
2	4.25	5.75	
3	11.25	12.75	
4-5	10.25	11.75	
6	7.25	9.00	
7	7.25	26.00	
8-9	24.00	26.00	
10-13	23.50	26.50	
14+	23.00	27.00	

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**ACTUARIAL ASSUMPTIONS RETIREMENT RATES**

The following rates apply to non-grandfathered members (participants who have not met the full service retirement eligibility, or have less than 15 years of service as of July 1, 2010). (Effective 6/30/2010)

Age	Non-Grandfathered Non-DROP 2 Rates		Non-Grandfathered Full DROP 2 Rates	
	Fire (with 85% reduction) At First Eligibility	Police (with 75% reduction) At First Eligibility	Years After eligibility/election	Police (with 75% reduction)
<55	9.00%	17.50%	0	0.00%
55	9.00	17.50	1	3.40
56	9.00	17.50	2	4.25
57	9.00	17.50	3	11.90
58	9.00	17.50	4	11.05
59	9.00	17.50	5	12.75
60	9.00	17.50	6	10.20
61	9.00	17.50	7	10.20
62	9.00	17.50	8	28.90
63	9.00	17.50	9	28.90
64	9.00	17.50	10	28.48
65+	100.00	100.00	11	28.48
			12	28.48
			13	28.48
			14+	27.38
				27.75

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**ACTUARIAL ASSUMPTIONS RETIREMENT RATES**

Early Retirement Rates for Non-Grandfathered Fire Members (Reduced Benefits) (Effective 6/30/2010)

Age	Service	10	11	12	13	14	15	16	17	18	19	20	21-24	25+
<45	<10*													
45														
46														
47														
48														
49														
50		3.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	4.00%	4.00%
51		3.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	6.00%	6.00%
52		3.00%	8.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	8.00%	8.00%
53		3.00%	8.00%	10.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	10.00%	10.00%
54		3.00%	8.00%	10.00%	12.00%	14.00%	14.00%	14.00%	14.00%	14.00%	14.00%	14.00%	12.00%	12.00%
55		4.50%	9.50%	12.00%	14.50%	17.00%	17.00%	17.00%	17.00%	17.00%	17.00%	17.00%	14.00%	14.00%
56		5.00%	11.00%	14.00%	17.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	10.00%	10.00%
57		5.00%	11.00%	15.00%	19.00%	23.00%	23.00%	23.00%	23.00%	23.00%	23.00%	23.00%	12.00%	12.00%
58		5.00%	14.00%	18.00%	22.00%	26.00%	26.00%	26.00%	26.00%	26.00%	26.00%	26.00%	14.00%	14.00%
59		5.00%	15.00%	20.00%	25.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	12.00%	12.00%
60		5.00%	20.00%	25.00%	30.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	10.00%	10.00%
61		10.00%	20.00%	30.00%	35.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%	8.00%	8.00%
62		15.00%	25.00%	30.00%	35.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%	6.00%	6.00%
63		15.00%	25.00%	30.00%	35.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%	4.00%	4.00%
64		15.00%	25.00%	30.00%	35.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%	2.00%	2.00%
65		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		

Members not yet eligible for early retirement

Members eligible for unreduced benefits

For members reaching 15 years of service on or after 7/1/2010 - Firefighters

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**ACTUARIAL ASSUMPTIONS RETIREMENT RATES**

Early Retirement Rates for Non-Grandfathered Police Members (Reduced Benefits) (Effective 6/30/2010)

Age	Service	10	11	12	13	14	15	16	17	18	19	20	21-24	25+
<45	<10*													
45													4.00%	
46													5.00%	
47													5.00%	
48													5.00%	
49													5.00%	
50		5.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	6.00%	
51		5.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	8.00%	
52		5.00%	10.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	10.00%	
53		5.00%	10.00%	12.00%	14.00%	14.00%	14.00%	14.00%	14.00%	14.00%	14.00%	14.00%	12.00%	
54		5.00%	10.00%	12.00%	14.00%	16.00%	16.00%	16.00%	16.00%	16.00%	16.00%	16.00%	14.00%	
55		5.00%	11.00%	14.00%	17.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	16.00%	
56		7.00%	15.00%	19.00%	23.00%	27.00%	27.00%	27.00%	27.00%	27.00%	27.00%	27.00%	20.00%	
57		10.00%	20.00%	25.00%	30.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	27.00%	
58		15.00%	25.00%	30.00%	35.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%	35.00%	
59		20.00%	30.00%	35.00%	40.00%	45.00%	45.00%	45.00%	45.00%	45.00%	45.00%	45.00%	40.00%	
60		25.00%	35.00%	40.00%	45.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	45.00%	
61		30.00%	40.00%	45.00%	50.00%	55.00%	55.00%	55.00%	55.00%	55.00%	55.00%	55.00%	50.00%	
62		35.00%	40.00%	45.00%	50.00%	55.00%	60.00%	60.00%	60.00%	60.00%	60.00%	60.00%	55.00%	
63		35.00%	40.00%	45.00%	50.00%	55.00%	60.00%	60.00%	60.00%	60.00%	60.00%	60.00%	60.00%	
64		35.00%	40.00%	45.00%	50.00%	55.00%	60.00%	60.00%	60.00%	60.00%	60.00%	60.00%	60.00%	
65		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Members not yet eligible for early retirement

Members eligible for unreduced benefits

For members reaching 15 years of service on or after 7/1/2010 - Police

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**SCHEDULE OF ACTIVE MEMBER VALUATION DATA**

<u>Valuation Date June 30</u>	<u>Number</u>	<u>Annual Payroll</u>	<u>Annual Average Pay</u>	<u>% Increase In Average Pay</u>
2001	4,871	\$209,527,825	\$43,015	5.1%
2002	4,875	227,785,032	46,725	8.6
2003	4,875	245,711,363	50,402	7.9
2004	4,778	241,245,198	50,491	0.2
2005	4,690	244,814,891	52,199	3.4
2006	4,627	248,558,248	53,719	2.9
2007	4,578	254,489,308	55,590	3.5
2008	4,615	269,690,209	58,438	5.1
2009	4,690	281,423,808	60,005	2.7
2010	4,584	276,576,626	60,335	0.6



Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland

**SCHEDULE OF RETIREES AND BENEFICIARIES ADDED TO AND REMOVED FROM ROLLS**

Year Ended June 30	Added to Rolls		Removed from Rolls		Rolls - End of Year		% Increase in Annual Allowances	Average Annual Allowances
	No.	Annual Allowances*	No.	Annual Allowances	No.	Annual Allowances		
2001	202	\$ 5,744,867	151	\$2,706,188	5,129	\$116,441,391	2.7%	\$22,703
2002	211	5,317,804	168	2,988,395	5,172	118,770,800	2.0	22,964
2003	241	7,127,894	160	3,209,861	5,253	122,688,833	3.3	23,356
2004	345	11,813,675	168	3,261,435	5,430	131,241,073	7.0	24,170
2005	314	14,678,942	166	3,213,125	5,578	142,706,890	8.7	25,584
2006	309	12,062,518	171	3,540,124	5,716	151,229,284	6.0	26,457
2007	287	12,085,575	175	3,750,941	5,828	159,563,918	5.5	27,379
2008	264	15,906,340	211	4,699,524	5,881	170,770,734	7.0	29,038
2009	232	7,709,875	184	4,049,841	5,929	174,430,768	2.1	29,420
2010	280	12,045,607	197	4,307,535	6,012	182,168,840	4.4	30,301

\* Includes post-retirement adjustments

The annual allowances were adjusted to incorporate the \$16,000 minimum benefit for certain beneficiaries under Ordinance 10-306.

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**SOLVENCY TEST**

The Retirement System's funding objective is to meet long-term benefit promises through contributions which spread the cost over the employees' service base. If the contributions to the System are soundly executed, the System will pay all promised benefits when due - the ultimate test of financial soundness.

A short-term solvency test is one means of examining a system's progress under its funding program. In a short-term solvency test, the plan's present assets 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 which has been following the discipline of allocating cost on a consistent basis to valuation years, the liabilities for active member contributions on deposit (liability 1) 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. Generally, the funded portion of liability 3 will increase over time. Liability 3 being fully funded is rare.

The schedule below illustrates the System's history of liability 3.

Valuation Date June 30	Aggregate Accrued Liabilities For			Valuation Assets	Portion of Accrued Liabilities Covered by Reported Assets		
	(1) Active Member Contributions	(2) Retirees and Beneficiaries	(3) Active Members (Employer Financed Portion)		(1)	(2)	(3)
2001	\$175,086,388	\$1,281,344,804	\$640,371,338	\$2,098,740,595	100%	100%	100.3%
2002	187,770,301	1,308,031,625	677,386,504	2,127,393,333	100	100	93.2
2003	197,937,017	1,368,638,818	720,297,200	2,205,205,652	100	100	88.7
2004	197,462,032	1,502,541,087	695,519,580	2,320,027,717	100	100	89.1
2005	200,799,034	1,653,513,286	706,672,475	2,464,821,382	100	100	86.4
2006	206,295,261	1,731,864,189	771,770,463	2,505,470,848	100	100	73.5
2007	214,167,284	1,875,522,941	804,200,292	2,658,735,032	100	100	70.8
2008	223,169,334	1,933,289,565	837,934,859	2,676,354,876	100	100	62.0
2009	237,159,576	1,971,574,127	842,153,582	2,587,235,012	100	100	44.9
2010	246,799,329	1,977,520,610	809,403,584	2,524,753,505	100	100	37.1

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**ANALYSIS OF FINANCIAL EXPERIENCE**

**Gains and Losses in Accrued Liabilities During Fiscal Year  
Resulting from Differences Between Assumed Experience and Actual Experience**

<u>Type of Activity</u>	<u>Gain or (Loss) for Fiscal Year 2009</u>	<u>Gain or (Loss) for Fiscal Year 2010</u>
<b>Age and Service Retirements</b> If members retire at older ages or with lower final average pay than assumed, there is a gain. If younger ages or higher pays, a loss.	\$ 12,645,665	\$ 1,241,455
<b>Disability Retirements</b> If disability claims are less than assumed, there is a gain. If more claims, a loss.	(3,112,449)	(4,386,494)
<b>Death-in-Service Benefits</b> If survivor claims are less than assumed, there is a gain. If more claims, there is a loss.	1,119,302	794,867
<b>Withdrawal From Employment</b> If more liabilities are released by withdrawals than assumed, there is a gain. If smaller releases, a loss.	(927,364)	(1,163,107)
<b>Pay Increases</b> If there are smaller pay increases than assumed, there is a gain. If greater increases, a loss.	8,501,946	35,883,978
<b>Investment Income</b> If there is greater investment income than assumed, there is a gain. If less, a loss.	(194,116,114)	(174,771,781)
<b>Death After Retirement</b> If retirees live longer than assumed, there is a loss. If not as long, a gain.	2,599,338	3,580,695
<b>New Entrants</b> New entrants create a loss because they were not assumed in the previous evaluation.	(1,930,695)	(933,052)
<b>Other</b> Miscellaneous gains and losses resulting from data adjustments, timing of financial transactions, valuation methods, etc.	(12,468,140)	(2,519,437)
<b>Gain or (Loss) During Year From Financial Experience</b>	<u><u>\$(187,688,511)</u></u>	<u><u>\$(142,272,876)</u></u>

Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**SUMMARY OF PLAN PROVISIONS**  
For the Year Ended June 30, 2010

1. **EFFECTIVE DATE:**

The System was established July 1, 1962, and has been amended periodically.

2. **ELIGIBILITY:**

Any uniformed officer of the Police or Fire Departments shall become a member as a condition of employment.

3. **MEMBER CONTRIBUTIONS:**

Members contribute at the rate of 6% of regular compensation for their entire period of service. Contributions are treated as made by the employer and are made to the System pre-tax according to Section 414(h)(2) of the Internal Revenue Code.

Effective July 1, 2010, the rate of member contributions is 7% of regular compensation; effective July 1, 2011, the rate is 8% of regular compensation; effective July 1, 2012, the rate is 9% of regular compensation; and, effective July 1, 2013, the rate is 10% of regular compensation.

Members of the Baltimore City Employees' Retirement System who transferred to this System after July 1, 1967, and did not make up the contributions which would have been made from July 1, 1962, are to have their retirement allowance reduced by the actuarial equivalent of the deficient contributions with interest.

4. **AVERAGE FINAL COMPENSATION:**

Average Final Compensation (AFC) shall mean the average annual compensation based on eighteen consecutive months of service during which the member's compensation was highest.

Effective July 1, 2010, for members who, as of June 30, 2010, did not meet the eligibility requirements for a service retirement benefit and had fewer than 15 years of service, AFC means the average annual compensation based on 36 consecutive months of service during which the member's compensation was highest.

5. **MILITARY SERVICE CREDIT:**

(A) **Military Service Prior to Employment:** A maximum of three years service credit is granted provided the member has acquired:

- (1) 10 years of service and attained the age of 50; or
- (2) 20 years of service, regardless of age; or
- (3) 15 years of service, regardless of age for a job removal.

Effective July 1, 2010, eligible military service credit prior to employment also can be used to satisfy the eligibility requirements for a service retirement benefit, DROP or DROP 2.

(B) **Military Service Within Employment:** Upon retirement or death, any member who had a break in employment due to military duty, shall receive service credit for the period of absence as provided by the Uniformed Services Employment and Reemployment Rights Act.

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**6. SERVICE RETIREMENT BENEFIT:**

**(A) Normal Retirement Eligibility Requirements:**

- (1) For members who entered the System on or before June 30, 2003:
  - (a) age 50, regardless of years of service credit; or
  - (b) regardless of age, 20 years of service credit.
- (2) For members who entered the System on or after July 1, 2003:
  - (a) age 50, with at least 10 years of service as a contributing member of this System; or
  - (b) regardless of age, 20 years of service with at least 10 years as a contributing member of this System.
- (3) Effective July 1, 2010, members who, as of June 30, 2010, did not meet the applicable eligibility requirements in (1) or (2) above and had fewer than 15 years of service, are eligible for a normal retirement benefit upon the earlier of:
  - (a) age 55, with at least 15 years of service as a contributing member of this System; or
  - (b) regardless of age, 25 years of service with at least 15 years as a contributing member of this System.

**(B) Normal Retirement Benefit Amount:** The sum of:

- (1) an annuity of the actuarial equivalent of the member's accumulated contributions and interest; plus
- (2) a pension, which together with the annuity, shall be equal to 2.5% of the member's average final compensation for each of the first 20 years of service; plus
- (3) 2.0% of the member's average final compensation for each year of service in excess of 20 years.

**(C) Early Retirement Eligibility Requirements:**

Effective July 1, 2010, members who, as of June 30, 2010, did not meet the applicable eligibility requirements in (A)(1) or (2) above and had fewer than 15 years of service, are eligible for an early retirement benefit upon attaining the applicable eligibility requirements in (A)(1) or (2) above.

**(D) Early Retirement Benefit Amount:**

- (1) The amount determined under (B) above, reduced by:
- (2) The applicable percentage shown below for each month (or fraction of a month) by which the member's benefit commencement date precedes the date the member would have first met the eligibility requirements for a normal retirement benefit under (A)(3) above had the member continued in employment with the City:
  - (a) 6.5/12% per month for the first 60 months or fraction of a month immediately preceding the member's normal service retirement date;

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For the Year Ended June 30, 2010

- (b) 4.5/12% per month for the next 60 months or fraction of a month;
- (c) ¼% per month for the next 60 months or fraction of a month; and
- (d) 1/6% per month for any additional month or fraction of a month.

**7. NON-LINE-OF-DUTY DISABILITY RETIREMENT BENEFIT:**

- (A) **Eligibility Requirements:** Five years of membership service and determined by a hearing examiner to be mentally or physically incapacitated for the further performance of duty and that such incapacity is likely to be permanent.
- (B) **Benefit Amount:** The sum of:
  - (1) an annuity of the actuarial equivalent of the member's accumulated contributions and interest; plus
  - (2) a pension, which together with the annuity, shall be equal to 2.5% of the member's average final compensation for each year of service up to 20 years; plus
  - (3) 2.0% of the member's average final compensation for each year of service in excess of 20 years.
  - (4) the total of this benefit shall not be less than 25% of the member's average final compensation.
- (C) **Offset to Retirement Allowance:** This allowance is offset by workers' compensation, if the member entered the System after July 1, 1970.

**8. LINE-OF-DUTY DISABILITY RETIREMENT BENEFIT:**

- (A) **Eligibility Requirements:** Immediate eligibility upon membership in the System and determined by a hearing examiner to be incapacitated for the further performance of duty, and the incapacity resulted from an injury occurring while in the actual performance of such duty without willful negligence on the part of the member.

Should such disability further result in extensive brain damage causing total incapacity or in the loss of or the use of both hands or both arms or both feet or both legs or both eyes or any two thereof, an additional pension will be payable.

- (B) **Benefit Amount:**
  - (1) The sum of:
    - (a) an annuity of the actuarial equivalent of the member's accumulated contributions and interest; plus
    - (b) a pension equal to 66.667% of the member's average final compensation.
  - (2) If the member's disability results in extensive brain damage causing total incapacity or in the loss of or the use of both hands or both arms or both feet or both legs or both eyes or any two thereof, an additional pension is paid so that the retirement allowance is equal to 100% of the member's current annual compensation at the time of retirement.

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- (C) **Offset to Retirement Allowance:** This allowance is offset by workers' compensation, if the member entered the System after July 1, 1970.

9. **TERMINATION OF EMPLOYMENT:**

- (A) **Eligibility Requirements:** If removed from a position without fault upon acquiring 15 years of service, the member is eligible for an immediate benefit; otherwise a refund of accumulated contributions and interest if not eligible for any other benefits.
- (B) **Benefit Amount:** The sum of:
- (1) an annuity of the actuarial equivalent of the member's accumulated contributions and interest; plus
  - (2) a pension, which together with the annuity, shall be equal to 2.5% of the member's average final compensation for each of the first 20 years of service; plus
  - (3) 2.0% of the member's average final compensation for each year of service in excess of 20 years.

10. **MAXIMUM ALLOWANCE AND OPTIONAL METHODS OF RECEIVING BENEFIT PAYMENTS:**

- (A) **Maximum Allowance:** Upon retiree's death, 50% of the retiree's maximum allowance is paid to the spouse provided they had been married for at least one year prior to retirement or five years beginning before or after retirement. A spouse remains eligible for the maximum benefit unless she or he remarries or until death. If there is no eligible spouse, the allowance will be paid to any minor and unmarried children until the last child marries, dies, or attains age 18 or age 22 if a full-time student. All other options will result in a lesser amount paid.
- (B) **Reserve Guarantee Option:** Upon retiree's death, a cash refund to retiree's designated beneficiary based on present value of allowance at retirement less payments made.
- (C) **100% Joint and Survivor Option:** Upon retiree's death, 100% of retiree's allowance to continue to designated beneficiary until death.
- (D) **50% Joint and Survivor Option:** Upon retiree's death, 50% of retiree's allowance to continue to designated beneficiary until death.
- (E) **100% Pop-up Joint and Survivor Option:** Upon retiree's death, 100% of retiree's allowance to continue to designated beneficiary until death. If the beneficiary predeceases member, the member's benefit "pops-up" to the maximum allowance.
- (F) **50% Pop-up Joint and Survivor Option:** Upon retiree's death, 50% of retiree's allowance to continue to designated beneficiary until death. If the beneficiary predeceases member, the member's benefit "pops-up" to the maximum allowance.
- (G) **Specific Benefit Option:** Upon retiree's death and subject to the approval of the Board of Trustees, the member's designated beneficiary will receive:

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- (1) a specific lump sum amount; or
- (2) a specific periodic allowance.

These options are available for service, termination, non-line-of-duty disability, and line-of-duty disability retirement. The option and/or beneficiary may be changed within thirty days after retirement.

**11. NON-LINE-OF-DUTY DEATH BENEFIT:**

- (A) **Eligibility Requirements:** Member who dies while actively employed but whose death does not qualify as a line-of-duty death.
- (B) **Benefit Amount:**
  - (1) **Lump-sum benefit:** The member's accumulated contributions and interest and if the member has one or more years of service, 50% of the greater of the member's current annual compensation or average final compensation shall be payable to the member's designated beneficiary or as specified by the plan provisions.
  - (2) **25% plus benefit:** In lieu of (1) above, if the member had at least two years of continuous service, an annual sum equal to 25% of the member's current annual compensation, plus 1.5% of the member's current annual compensation for each year of service in excess of two years. This benefit is not to exceed 50% of the member's current annual compensation. This benefit shall be payable to:
    - (a) the member's spouse until the spouse remarries or dies; or
    - (b) the member's minor and unmarried children equally until the last child marries, dies, or attains age 18 or age 22 if a full-time student.
  - (3) **100% survivorship benefit:** If the member was eligible for a service retirement and the member's designated beneficiary is his/her spouse to whom she/he was married for at least one year prior to the date of death, or surviving parent, such beneficiary may elect to receive in lieu of (1) and (2) above, an allowance equal to the amount that would have been paid under the 100% Joint and Survivor Option.
- (C) **Offset to Retirement Allowance:** This allowance is offset by workers' compensation, if the member entered the System after July 1, 1970.

**12. LINE-OF-DUTY DEATH BENEFIT:**

- (A) **Eligibility Requirements:**
  - (1) Immediate eligibility upon membership in the System and determined by a hearing examiner that the member's death arose out of and in the course of the actual performance of duty, without willful negligence on the part of the member; or
  - (2) A member had been granted a line-of-duty disability and dies within five years as a result of the last injury that resulted in a line-of-duty disability retirement.
- (B) **Benefit Amount:** This benefit will consist of:



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- (1) A refund of the member's accumulated contributions and interest to the member's designated beneficiary or as specified by the plan provisions, and
  - (2) A pension of 100% of member's current annual compensation to be paid to:
    - (a) the member's surviving spouse to continue for life; or
    - (b) if no surviving spouse or the spouse dies, then equally to the member's minor and unmarried children equally until the last child marries, dies, or attains age 18 or age 22 if a full-time student; or
    - (c) if no surviving spouse or eligible minor child or children, then to the member's surviving dependent parents to continue for life.
- (C) **Offset to Retirement Allowance:** This allowance is offset by workers' compensation, if the member entered the System after July 1, 1970.

13. **DEFERRED RETIREMENT OPTION PLAN (DROP):**

The Deferred Retirement Option Plan became effective July 1, 1996.

- (A) **Eligibility: a member who does not meet the following eligibility requirements as of December 31, 2009, will not be eligible for DROP participation and will not be entitled to DROP benefits effective January 1, 2010. Such member may be eligible for participation in the Deferred Retirement Option Plan 2 (DROP 2) that becomes effective January 1, 2010.**
- (1) For members who entered the System on or before June 30, 2003, a member must acquire 20 or more years of service, regardless of age on or before December 31, 2009.
  - (2) For members who entered the System on or after July 1, 2003, a member must acquire 20 or more years of service with at least 10 years of service as a contributing member of this System, regardless of age, on or before December 31, 2009.
  - (3) An application must be filed not less than 30 days nor more than 90 days prior to the date the DROP participation will begin.
  - (4) A member who terminates employment immediately becomes ineligible to participate or to continue to participate in the DROP.

(B) **Term of DROP:**

The maximum period of time that a member can participate in the DROP is a single term of three consecutive years beginning on the member's DROP start date.

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(C) **No Service Credit While in DROP:**

A DROP participant remains a member of the F&P but is not credited with F&P service.

Except for Intermediate DROP Retirement Benefits, compensation during the member's DROP participation period shall be disregarded in calculating the member's AFC.

(D) **Discontinuation of DROP Participation:**

- (1) If a member terminates service anytime during or at the end of the three year DROP period, participation in the DROP ends automatically.
- (2) A member may elect to end participation in the DROP on either the first or second anniversary of the DROP participation start date. The election must be made by filing an application with the System not less than 30 days nor more than 90 days prior to the first or second anniversary of the member's DROP start date.
- (3) A member who continues employment after terminating participation in the DROP shall resume earning service credit in the F&P.
- (4) Once a member terminates participation in the DROP, the member cannot again participate in the DROP at a later date.
- (5) If a member retires at the end of the DROP participation period, begins receiving DROP retirement benefits, and is then reemployed in a position covered by the F&P or any Baltimore City sponsored retirement system, all DROP retirement benefit payments will be suspended until the member's later retirement.

(E) **DROP Account:** The member's DROP account shall consist of:

- (1) For each full year of a member's DROP participation, an amount equal to the maximum annual service retirement allowance the member would have received had the member retired from service and began receiving the maximum retirement allowance;
- (2) For each partial year of a member's DROP participation, an amount equal to a member's pro-rated maximum annual service retirement allowance;
- (3) A separate sub-account consisting of the member's regular mandatory contributions made during the member's DROP participation period; and
- (4) Interest compounded annually at 8.25% until the member terminates from service.

(F) **DROP Retirement Benefit:**

(1) **BASIC DROP:**

A member who terminates service during or at the conclusion of the DROP participation period will receive:

- (a) the service retirement benefit the member would have received if the member had retired on the date the DROP participation began; and

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(b) the balance in the member's DROP account.

(2) **INTERMEDIATE DROP:**

A member who continues working following the conclusion of the DROP participation period and terminates service within 18 months following the DROP participation period will receive:

- (a) all benefits under the Basic DROP Benefit; plus
- (b) 2.0% of the member's AFC, calculated as of the member's date of termination from employment covered by this System, for each year of service credit, prorated for partial years, earned by employment following the DROP participation period (taking into account the member's annual compensation while in DROP), not to exceed 18 months; plus
- (c) a recovery rate of 1.5% of the member's AFC, calculated as of the member's date of termination from employment covered by this System, for each year of service credit, prorated for partial years, earned by employment following the DROP participation period (taking into account the member's annual compensation while in DROP), not to exceed 18 months, but limited to a "recovery" of 2.0% if the member discontinued participation in DROP after 1 year or limited to a "recovery" of less than 2.25% if the member discontinued participation in DROP after 2 years; plus
- (c) 2.0% of the member's AFC, calculated as of the member's termination date from employment covered by this System, for each year of service not already included in the calculation of the member's retirement benefit under (a) and (b).

(3) **FULL DROP:**

A member who continues working following the conclusion of the DROP participation period and terminates service 18 or more months following the DROP participation period will receive:

- (a) an annuity of the actuarial equivalent of the member's accumulated contributions and interest; plus
- (b) a pension, which together with the annuity, shall be equal to 2.5% of the member's AFC, calculated as of the member's date of termination from employment covered by this System for each of the first 20 years of service; plus
- (c) 2.0% of the member's AFC, calculated as of the member's date of termination from employment covered by this system for each year of service in excess of 20 years; plus
- (d) a recovery rate of 1.5% of the member's AFC, calculated as of the member's date of termination from employment covered by this System, for each year of service credit, prorated for partial years, earned by employment following the DROP participation period, not to exceed 4 years, but limited to a "recovery" of 2.0% if the member discontinued participation in DROP at 1 year or limited to a "recovery" of 4.0% if the member discontinued participation in DROP at 2 years; plus
- (e) the balance in the member's DROP account.

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**(G) Non-Line-of-Duty Disability:**

- (1) any member who retires on account of a non-line-of-duty disability during or at the end of the DROP participation period will receive the Basic DROP Retirement Benefit.
- (2) any member who retires on account of a non-line-of-duty disability within 18 months following the DROP participation period will receive the Intermediate DROP Retirement Benefit.
- (3) any member who retires on account of a non-line-of-duty disability 18 or more months following the DROP participation period will receive the Full DROP Retirement Benefit.

**(H) Line-of-Duty Disability:**

Any member who retires on account of a line-of-duty disability during or following the DROP participation period will receive the line-of-duty disability retirement benefit consisting of: an annuity of the member's accumulated contributions and interest, plus 66.667% of current AFC. This benefit will be paid instead of any DROP retirement benefits and the member will not receive the balance in the DROP account.

**(I) Non-Line-of-Duty Death:**

Due to the non-line-of-duty death of a member who dies during or following the DROP 2 participation period, the beneficiary will receive the non-line-of-duty death benefit according to the DROP provisions. The member's DROP account is payable according to the form of the non-line-of-duty death benefit as follows:

- (1) Lump-sum benefit: The beneficiary of a deceased DROP participant will receive the balance of the deceased member's DROP account in a lump sum payment.
- (2) 25% plus benefit: The beneficiary can elect to receive the balance of the deceased member's DROP account in a lump sum payment or in periodic payments.
- (3) 100% survivorship benefit: The beneficiary can elect to receive the balance of the deceased member's DROP account in a lump sum payment or in periodic payments.

**(J) Line-of-Duty Death:**

The line-of-duty death benefit payable due to the death of a member who dies during or following the DROP participation period will equal either of the following as elected by the member's beneficiary:

- (1) the non-line-of-duty death benefit including DROP benefits as described above; or
- (2) the line-of-duty death benefit payable as though the member had never participated in the DROP.

**(K) Benefits for Reemployed DROP Participants:**

- (1) if a member receiving DROP retirement benefits is reemployed in a position covered by the F&P or any Baltimore City sponsored retirement system and then later receives a service or disability retirement, the member will resume receiving the DROP benefits which had been suspended at the time of reemployment. Additionally, the member will receive 2.0% of the member's AFC for each year of service credit earned during the reemployment period.

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- (2) if a member receiving DROP retirement benefits is reemployed in a position covered by the F&P or any Baltimore City sponsored retirement system, and then dies during employment, the member's beneficiary will receive a non-line-of-duty death benefit. This reemployment death benefit also applies to line-of-duty death.

**(L) DROP Post-Retirement Benefit Increases:**

- (1) A member who retires during or at the end of the DROP participation period will have that DROP participation period credited toward the eligibility requirement for post-retirement benefit increases.
- (2) A member who continues working following the DROP participation period will not have that DROP participation period credited toward the eligibility requirement for post-retirement benefit increases.
- (3) Post-retirement benefit increases for former DROP participants are applied prospectively.

**(M) Form of Payment of Benefits from DROP Account:**

A member (or a beneficiary after the death of the member in service) can choose to receive the total balance of the DROP account as:

- (1) One lump sum which can be:
  - (a) rolled over to an IRA or similar account; or
  - (b) taken in pocket; or
- (2) Periodic payments in the same form as the retirement benefit.

**14. DEFERRED RETIREMENT OPTION PLAN 2 (DROP 2):**

DROP 2 became effective January 1, 2010. A member who is a DROP participant or who is entitled to DROP benefits is not entitled to DROP 2 participation or DROP 2 benefits. DROP 2 provisions differ for fire department and police department personnel.

**(A) Eligibility:**

- (1) For members who entered the System on or before June 30, 2003, a member must acquire 20 or more years of service regardless of age.
- (2) For members who entered the System on or after July 1, 2003, and on or before December 31, 2009, a member must acquire 20 or more years of service with at least 10 years of service as a contributing member of this System, regardless of age.
- (3) For members who enter the System on or after January 1, 2010, a member must acquire 20 or more consecutive years of service credit through City employment and as a contributing member of the System, regardless of age.
- (4) Effective July 1, 2010, members who had 15 or more years of service as of June 30, 2010, must acquire 20 or more years of service, and members who had less than 15 years of service as of June 30, 2010, must acquire 25 or more years of service as a contributing member of this System.

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- (5) For members who enter the System on or after July 1, 2010, a member must acquire 25 or more consecutive years of service credit through City employment and as a contributing member of the System, regardless of age.
- (6) An application must be filed not less than 30 days nor more than 90 days prior to the date the DROP 2 participation will begin.
- (7) A member who terminates employment immediately becomes ineligible to participate or to continue to participate in the DROP 2.

**(B) Term of DROP 2:**

The maximum period of time that a member can participate in the DROP 2 is a single term of three consecutive years beginning on the member's DROP 2 start date.

A member must remain in DROP 2 for a minimum of 1 year to be eligible for DROP 2 benefits.

**(C) No Service Credit While in DROP 2:**

A DROP 2 participant remains a member of the F&P but is not credited with F&P service.

Except for Mid DROP Retirement Benefits, compensation during the member's DROP 2 participation period shall be disregarded in calculating the member's AFC.

**(D) Discontinuation of DROP 2 Participation:**

- (1) If a member terminates service anytime during or at the end of the three year DROP 2 period, participation in the DROP 2 ends automatically.
- (2) A member may elect to end participation in the DROP 2 on either the first or second anniversary of the DROP 2 participation start date. The election must be made by filing an application with the System not less than 30 days nor more than 90 days prior to the first or second anniversary of the member's DROP 2 start date.
- (3) A member who continues employment after terminating participation in the DROP 2 shall resume earning service credit in the F&P.
- (4) Once a member terminates participation in the DROP 2, the member cannot again participate in the DROP 2 at a later date.
- (5) If a member retires at the end of the DROP 2 participation period, begins receiving DROP 2 retirement benefits, and is then reemployed in a position covered by the F&P or any Baltimore City sponsored retirement system, all DROP 2 retirement benefit payments will be suspended until the member's later retirement.

**(E) DROP 2 Account:** The member's DROP 2 account shall consist of:

- (1) For each full year of a member's DROP 2 participation, an amount equal to the maximum annual service retirement allowance the member would have received had the member retired from service and began receiving the maximum retirement allowance;

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- (2) For each month of a member's DROP 2 participation, an amount equal to one-twelfth of a member's maximum annual service retirement allowance;
- (3) For each day not included in (1) or (2), an amount equal to 1/365 of the member's maximum annual service retirement allowance;
- (4) Documentation requirements must be met prior to the member's DROP 2 start date for inclusion of pre-employment military service credit in the DROP 2 benefits calculation.
- (5) A separate sub-account consisting of the member's regular mandatory contributions made during the member's DROP 2 participation period; and
- (6) Interest compounded annually at 5.50% until the member terminates from service. Effective July 1, 2010, for members who had fewer than 15 years of service as of June 30, 2010, interest is compounded annually at 3.0% until the member terminates from service.

**(F) DROP 2 Retirement Benefit - FIRE DEPARTMENT MEMBERS:**

**(1) EARLY DROP:**

A member must complete a minimum of 1 year of DROP 2 participation to be eligible for Early DROP benefits. A member who terminates service during year 2 or year 3 or at the conclusion of the DROP 2 participation period will receive:

- (a) the following percentages of the member's AFC calculated as of the day before the member's DROP 2 start date:
  - (i) 2.5% for each of the first 20 years of service, plus
  - (ii) 2.0% for each full year of service in excess of 20 years, prorated for partial years, prior to the member's DROP 2 start date; no service credit is earned during the member's DROP 2 participation period; plus
- (b) the balance in the member's DROP 2 account.

**(2) MID DROP:**

A member who continues working, resumes earning service credit for employment covered by this System following the conclusion of the member's DROP 2 participation period, and terminates service anytime within 5 years following the member's DROP 2 participation period will receive:

- (a) the following percentages of the member's AFC calculated as of the day before the member's DROP 2 start date:
  - (i) 2.5% for each of the first 20 years of service, plus
  - (ii) 2.0% for each full year of service in excess of 20 years, prorated for partial years, prior to the member's DROP 2 start date, plus
  - (iii) 2.0% for each full year of service, prorated for partial years, purchased during or following the member's DROP 2 participation period, if any; no service credit is earned during the member's DROP 2 participation period; plus

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- (b) the following percentages of the member's AFC calculated as of the member's termination date from employment covered by this System:
  - (i) 2.0% for each full year of service, prorated for partial years, for up to 5 years of employment as a contributing member of this System following the member's DROP 2 participation period; no service credit is earned during the member's DROP 2 participation period; plus
  - (ii) A recovery rate of 1.5% for each of the first four years of employment covered by this System immediately following the member's DROP 2 participation period, subject to the following limitations:
    - 1. if the member discontinued DROP 2 participation at 1 year, the recovery rate is limited to 2.0%.
    - 2. if the member discontinued DROP 2 participation at 2 years, the recovery rate is limited to 4.0%.

plus,

- (c) the balance in the member's DROP 2 account.

(3) **COMPLETE DROP:**

A member who continues working, resumes earning service credit for employment covered by this System following the conclusion of the member's DROP 2 participation period, and terminates service 5 or more years following the DROP 2 participation period will receive:

- (a) the following percentages of the member's AFC calculated as of the member's termination date from employment covered by this System:
  - (i) 2.5% for each of the first 20 years of service, plus
  - (ii) 2.0% for each full year of service, prorated for partial years, for service in excess of 20 years, excluding employment covered by this System during the member's DROP 2 participation period; plus
  - (iii) A recovery rate of 1.5% for each of the first four years of employment covered by this System immediately following the member's DROP 2 participation period, subject to the following limitations:
    - 1. if the member discontinued DROP 2 participation at 1 year, the recovery rate is limited to 2.0%.
    - 2. if the member discontinued DROP 2 participation at 2 years, the recovery rate is limited to 4.0%.

plus,

- (b) the balance in the member's DROP 2 account.

(G) **DROP 2 Retirement Benefit – POLICE DEPARTMENT MEMBERS:**

(1) **EARLY DROP:**

A member must complete a minimum of 1 year of DROP 2 participation to be eligible for Early DROP



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benefits. A member who terminates service during year 2 or year 3 or at the conclusion of the DROP 2 participation period will receive:

- (a) the following percentages of the member's AFC as of the day before the member's DROP 2 start date:
  - (i) 2.5% for each of the first 20 years of service, plus
  - (ii) 2.0% for each full year of service in excess of 20 years, prorated for partial years, prior to the member's DROP 2 start date; no service credit is earned during the member's DROP 2 participation period; plus
- (b) the balance in the member's DROP 2 account.

(2) **MID DROP:**

A member who continues working, resumes earning service credit for employment covered by this System following the conclusion of the member's DROP 2 participation period, and terminates service anytime within 3½ years following the DROP 2 participation period will receive:

- (a) the following percentages of the member's AFC as of the day before the member's DROP 2 start date:
  - (i) 2.5% for each of the first 20 years of service, plus
  - (ii) 2.0% for each full year of service in excess of 20 years, prorated for partial years, prior to the member's DROP 2 start date, plus
  - (iii) 2.0% for each full year of service, prorated for partial years, purchased during or following the member's DROP 2 participation period, if any; no service credit is earned during the member's DROP 2 participation period; plus
- (b) the following percentage of the member's AFC calculated as of the member's termination date from employment covered by this System:

2.0% for each full year of service, prorated for partial years, for up to 3 ½ years of employment as a contributing member of this System following the member's DROP 2 participation period; no service credit is earned during the member's DROP 2 participation period; and
- (c) the balance in the member's DROP 2 account.

(3) **COMPLETE DROP:**

A member who continues working, resumes earning service credit for employment covered by this System following the conclusion of the member's DROP 2 participation period, and terminates service 3½ or more years following the DROP 2 participation period will receive:

- (a) the following percentages of the member's AFC calculated as of the member's termination date from employment covered by this System:
  - (i) 2.5% for each of the first 20 years of service, plus
  - (ii) 2.0% for each full year of service, prorated for partial years, for service in excess of 20 years, excluding employment covered by this System during the member's DROP 2 participation

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period; plus

- (b) the balance in the member's DROP 2 account.

**(H) Non-Line-of-Duty Disability:**

- (1) the member must complete a minimum of 1 year of the DROP 2 participation period to be eligible for any DROP 2 benefits.
- (2) any member who retires prior to the first anniversary of the member's DROP 2 start date is not entitled to any benefits under DROP 2. The benefit will be calculated as though the member had never participated in DROP 2.
- (3) any member who retires on account of a non-line-of-duty disability during or at the end of the DROP 2 participation period will receive the Early DROP Retirement Benefit.
- (4) any Fire department member who retires within 5 years following the end of the DROP 2 participation period or any Police department member who retires within 3 ½ years following the end of the DROP 2 participation period on account of a non-line-of-duty disability will receive the Mid DROP Retirement Benefit.
- (5) any Fire department member who retires with 5 or more years following the end of the DROP 2 participation period or any Police department member who retires with 3 ½ or more years following the end of the DROP 2 participation period on account of a non-line-of-duty disability will receive the Complete DROP Retirement Benefit.

**(I) Line-of-Duty Disability:**

Any member who retires on account of a line-of-duty disability during or following the DROP 2 participation period will receive the line-of-duty disability retirement benefit consisting of: an annuity of the member's accumulated contributions and interest, plus 66.667% of current AFC. This benefit will be paid instead of any DROP 2 retirement benefits and the member will not receive the balance in the DROP 2 account.

**(J) Non-Line-of-Duty Death:**

Due to the non-line-of-duty death of a member who dies after completing a minimum of one year of DROP 2 participation or following the DROP 2 participation period, the beneficiary will receive the non-line-of-duty death benefit according to the DROP 2 provisions. The member's DROP 2 account is payable according to the form of the non-line-of-duty death benefit as follows:

- (1) **Lump-sum benefit:** The beneficiary of a deceased DROP 2 participant will receive the balance of the deceased member's DROP 2 account in a lump sum payment.
- (2) **25% plus benefit:** The beneficiary can elect to receive the balance of the deceased member's DROP 2 account in a lump sum or in periodic payments.
- (3) **100% survivorship benefit:** The beneficiary can elect to receive the balance of the deceased member's DROP 2 account in a lump sum payment or in periodic payments.

If the member dies within the first year of the DROP 2 participation period, the benefit will be calculated as though

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the member had never participated in DROP 2.

**(K) Line-of-Duty Death:**

The line-of-duty death benefit payable due to the death of a member who dies after completing a minimum of one year of DROP 2 participation or following the DROP 2 participation period will equal either of the following as elected by the member's beneficiary:

- (1) the non-line-of-duty death benefit including DROP 2 benefits as described above; or
- (2) the line-of-duty death benefit payable as though the member had never participated in the DROP 2.

If the member dies within the first year of the DROP 2 participation period, the benefit will be calculated as though the member had never participated in DROP 2.

**(L) Benefits for Reemployed DROP 2 Participants:**

- (1) if a member receiving DROP 2 retirement benefits is reemployed in a position covered by the F&P, the member's DROP 2 retirement benefits shall be suspended. When the member later retires again on a service or non-line-of-duty disability retirement, the member will resume receiving the DROP 2 benefits which had been suspended at the time of reemployment, plus, the member will receive 2.0% (prorated for partial years) of the member's current AFC for each year of service credit earned during the reemployment period.
- (2) if a member receiving DROP 2 retirement benefits is reemployed in a position covered by the F&P, and then dies during the reemployment period, beneficiary eligibility for either non-line-of-duty death benefits or line-of-duty death benefits must be determined according to the DROP 2 provisions.
- (3) if a member receiving DROP 2 retirement benefits is reemployed in a position covered by another Baltimore City sponsored retirement system, the member's DROP 2 retirement benefits shall be suspended; when the member later retires again, the member will resume receiving the DROP 2 retirement benefits which had been suspended at the time of reemployment,

**(M) Pre-employment Military Service Credit for DROP 2 Participants:**

A member may receive up to 3 years of membership service credit for military service prior to employment with the City of Baltimore if the requirements are met according to the plan provisions. Credit for pre-employment military service may be used in the calculation of the member's maximum service retirement benefit credited to the member's DROP 2 account.

The member must apply and provide the F&P proper and complete documentation of pre-employment military service prior to the member's DROP 2 participation start date in order for the pre-employment military service to be used in the calculation of the members DROP 2 benefit credited to the DROP 2 account.

If the member fails to properly apply and provide the F&P with complete documentation of pre-employment military service prior to the member's DROP 2 participation start date, the pre-employment military service credit will not be included in the calculation of the member's maximum service retirement benefit that is credited to the member's DROP 2 account.

**(N) Form of Payment of Benefits from DROP 2 Account:**

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A member (or an eligible beneficiary after the death of the member in service) can choose to receive the total balance of the DROP 2 account as:

- (1) One lump sum which can be:
  - (a) rolled over to an IRA or similar account; or
  - (b) taken in pocket; or
- (2) Periodic payments in the same form as the retirement benefit.

**15. POST-RETIREMENT BENEFIT INCREASES:**

Effective June 30, 2010, post-retirement benefit increases will be fixed rather than be based on investment performance. Retirees and beneficiaries who have been receiving periodic benefit payments for two or more years as of the June 30 determination date are eligible for such an increase. An exception exists for DROP participants who retire during or at the end of their DROP participation period. Basic DROP retirees will have their DROP participation period credited toward the eligibility requirements for post-retirement benefit increases. The increase is payable commencing in the January following the June 30 determination date.

The amount of the post-retirement benefit increase is as follows:

- (1) Eligible retirees (or their beneficiaries) who have not attained age 55 as of the June 30 determination date will not receive an increase payable the following January.
- (2) Eligible retirees (or their beneficiaries) who have attained age 55 but have not attained age 65 and have been retired for two or more years as of the June 30 determination date will receive a 1.0% increase payable the following January. This increase is first payable in January 2012.
- (3) Eligible retirees (or their beneficiaries) who have attained age 65 and have been retired for two or more years as of the June 30 determination date will receive a 2.0% increase payable the following January. This increase is first payable in January 2011.
- (4) Eligible retirees (or their beneficiaries) who are on a 100% line-of-duty disability regardless of age and have been retired for two or more years as of the June 30 determination date will receive a 2.0% increase payable the following January. This increase is first payable in January 2011.

**16. MINIMUM BENEFIT FOR CERTAIN SPOUSAL BENEFICIARIES**

Beginning with the first full pay period following July 1, 2010, a minimum annual benefit of \$16,000 is provided to the spousal beneficiary of a sworn member who, before August 1, 1996, retired or died in service with 20 or more years of service.

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# Statistical Section



Fire and Police Employees' Retirement System  
City of Baltimore, Maryland  
**STATISTICAL SECTION NARRATIVE**

The Statistical Section of this Comprehensive Annual Financial Report presents information to add historical perspective, context, and detail to the financial statements, notes to financial statements, and required supplementary information presented in the preceding sections. To provide historical perspective and a sense of trends, most exhibits in this Section are presented in multiple-year formats. The information is categorized into two topical groups: Financial Trends and Demographic and Economic Information.

Financial Trends

These schedules contain trend information to help the reader understand how the F&P's financial performance has changed over time.

Statement of Changes in Plan Net Assets - Fiscal Years 2001 - 2010  
Revenues by Source - Fiscal Years 2001 - 2010  
Expenses by Type - Fiscal Years 2001 - 2010  
Benefit Expenses by Type - Fiscal Years 2001 - 2010  
Average Monthly Service Retirement Benefit Payments - Fiscal Years 2001 - 2010

Demographic and Economic Information

These schedules offer demographic indicators to help the reader understand trends in F&P membership.

Active Members by Years of Service - Fiscal Years 2001 – 2010  
Active Members and Active DROP / DROP 2 Members by Years of Service and Department  
Active DROP / DROP 2 Members by Fiscal Year of DROP / DROP 2 Entry and Department – Fiscal Years 1997 – 2010  
Retirees and Beneficiaries by Attained Age and Type of Retirement  
DROP Retirees and DROP Beneficiaries by Attained Age and Type of Retirement

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**CHANGES IN PLAN NET ASSETS**

	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>
<b>Additions</b>					
Net investment income	\$ (91,538,575)	\$(116,309,906)	\$ 44,013,099	\$222,184,012	\$ 218,297,510
Employer contributions	217,340	252,220	34,678,878	42,699,166	48,666,701
Member contributions	11,526,631	14,241,040	15,159,112	15,421,154	15,359,931
Net securities lending income	810,855	819,795	624,204	536,506	389,616
<b>Total Additions</b>	<u>(78,983,749)</u>	<u>(100,996,851)</u>	<u>94,475,293</u>	<u>280,840,838</u>	<u>282,713,758</u>
<b>Deductions</b>					
Retirement allowances	115,816,317	118,137,697	120,442,353	126,884,291	135,950,256
Lump sum DROP payments	11,148,700	7,545,984	12,147,757	24,494,758	22,253,341
Administrative expenses	1,284,702	1,520,942	1,562,487	1,905,163	2,143,390
Refunds of member contributions	804,084	800,898	1,059,150	1,093,504	1,403,449
Death benefits	531,714	540,949	126,270	551,962	620,679
<b>Total Deductions</b>	<u>129,585,517</u>	<u>128,546,470</u>	<u>135,338,017</u>	<u>154,929,678</u>	<u>162,371,115</u>
<b>Net Increase (Decrease)</b>	<u>\$ (208,569,266)</u>	<u>\$(229,543,321)</u>	<u>\$(40,862,724)</u>	<u>\$125,911,160</u>	<u>\$120,342,643</u>



Fire and Police Employees' Retirement System  
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**CHANGES IN PLAN NET ASSETS (Concluded)**

	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>
<b>Additions</b>					
Net investment income	\$ 178,616,240	\$ 347,068,360	\$ (97,529,998)	\$(357,730,702)	\$252,146,101
Employer contributions	49,661,627	60,128,727	72,687,585	69,513,236	94,097,743
Member contributions	15,157,898	15,438,649	16,547,425	17,661,252	17,254,515
Net securities lending income	561,649	756,603	2,049,347	1,801,369	500,376
<b>Total Additions</b>	<u>243,997,414</u>	<u>423,392,339</u>	<u>(6,245,641)</u>	<u>(268,754,845)</u>	<u>363,998,735</u>
<b>Deductions</b>					
Retirement allowances	147,353,252	155,639,508	166,119,977	173,547,075	176,660,415
Lump sum DROP payments	14,025,599	12,950,280	14,118,642	10,379,493	18,078,701
Administrative expenses	2,552,458	2,818,795	3,264,028	3,334,851	3,311,686
Refunds of member contributions	1,708,619	2,007,222	1,627,871	1,114,334	1,372,214
Death benefits	520,214	721,942	63,151	251,544	154,775
<b>Total Deductions</b>	<u>166,160,142</u>	<u>174,137,747</u>	<u>185,193,669</u>	<u>188,627,297</u>	<u>199,577,791</u>
<b>Net Increase (Decrease)</b>	<u>\$ 77,837,272</u>	<u>\$ 249,254,592</u>	<u>\$(191,439,310)</u>	<u>\$(457,382,142)</u>	<u>\$164,420,944</u>

Fire and Police Employees' Retirement System  
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**REVENUES BY SOURCE**

Fiscal Year	Net Investment Income	Employer Contributions		Member Contributions	Total
		Amount	% of Covered Payroll		
2001	\$ (90,727,720)	\$ 217,340	0.1%	\$ 11,526,631	\$(78,983,749)
2002	(115,490,111)	252,220	0.1	14,241,040	(100,996,851)
2003	44,637,303	34,678,878	14.1	15,159,112	94,475,293
2004	222,720,518	42,699,166	17.7	15,421,154	280,840,838
2005	218,687,126	48,666,701	19.9	15,359,931	282,713,758
2006	179,177,889	49,661,627	20.0	15,157,898	243,997,414
2007	347,824,963	60,128,727	23.6	15,438,649	423,392,339
2008	(95,480,651)	72,687,585	27.0	16,547,425	(6,245,641)
2009	(355,929,333)	69,513,236	24.7	17,661,252	(268,754,845)
2010	252,646,477	94,097,743	34.0	17,254,515	363,998,735

Note: Employer contributions were made in accordance with actuarially determined contribution requirements.

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**EXPENSES BY TYPE**

<u>Fiscal Year</u>	<u>Retirement Benefits</u>	<u>DROP Payments</u>	<u>Refunds</u>	<u>Administrative Expenses</u>	<u>Total</u>
2001	\$116,348,031	\$11,148,700	\$ 804,084	\$1,284,702	\$129,585,517
2002	118,678,646	7,545,984	800,898	1,520,942	128,546,470
2003	120,568,623	12,147,757	1,059,150	1,562,487	135,338,017
2004	127,436,253	24,494,758	1,093,504	1,905,163	154,929,678
2005	136,570,935	22,253,341	1,403,449	2,143,390	162,371,115
2006	147,873,466	14,025,599	1,708,619	2,552,458	166,160,142
2007	156,361,450	12,950,280	2,007,222	2,818,795	174,137,747
2008	166,183,128	14,118,642	1,627,871	3,264,028	185,193,669
2009	173,798,619	10,379,493	1,114,334	3,334,851	188,627,297
2010	176,815,190	18,078,701	1,372,214	3,311,686	199,577,791

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**BENEFIT EXPENSES BY TYPE**

Year Ending	Age and Service Benefits		Death Benefits		Disability Benefits			Total	
	Retirees	Beneficiaries	Duty	Non-Duty	Lump Sum	Retirees Duty	Non-Duty		Beneficiaries
2001	\$86,485,377	\$6,515,936	\$2,469,426	\$3,121,856	\$378,886	\$17,523,788	\$6,140,540	\$4,860,922	\$127,496,731
2002	88,370,371	6,641,581	2,367,554	2,835,013	114,338	16,031,594	5,462,832	4,401,347	126,224,630
2003	94,740,211	7,191,867	2,366,651	2,764,583	22,790	15,944,128	5,259,650	4,426,500	132,716,380
2004	112,012,174	7,250,029	2,365,946	2,847,450	251,077	16,124,695	5,019,237	6,060,403	151,931,011
2005	119,001,250	7,783,462	2,482,341	2,904,441	394,961	16,792,991	5,027,007	4,437,823	158,824,276
2006	118,470,165	8,380,341	2,564,442	2,853,866	258,136	19,654,354	5,107,533	4,610,228	161,899,065
2007	123,111,432	9,121,591	2,736,442	3,026,112	335,991	20,835,183	5,367,831	4,777,148	169,311,730
2008	131,942,122	10,116,092	2,914,432	3,142,188	63,151	21,797,015	5,331,204	4,995,566	180,301,770
2009	133,001,464	10,862,644	3,608,486	3,242,417	251,544	22,751,656	5,481,123	4,978,778	184,178,112
2010	143,638,241	11,219,469	3,066,579	3,215,249	154,775	23,209,880	5,262,840	5,126,858	194,893,891

Fire and Police Employees' Retirement System  
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**AVERAGE MONTHLY SERVICE RETIREMENT BENEFIT PAYMENTS**

Retirement Effective Dates From July 1, 2001 to June 30, 2010	Years of Credited Service				
	10-15	16-20	21-25	26-30	31+
<b>Period 7/1/00 to 6/30/01</b>					
Average Monthly Benefit			\$ 2,142	\$ 3,203	\$ 3,855
Average-Average Final Compensation			45,138	48,864	51,470
Number of Active Retirees			34	36	30
<b>Period 7/1/01 to 6/30/02</b>					
Average Monthly Benefit	\$ 1,524	\$ 2,116	2,629	3,688	4,297
Average-Average Final Compensation	43,978	47,757	48,948	56,103	60,767
Number of Active Retirees	1	3	43	28	18
<b>Period 7/1/02 to 6/30/03</b>					
Average Monthly Benefit		2,232	2,771	3,967	4,515
Average-Average Final Compensation		51,415	55,580	66,217	58,133
Number of Active Retirees		1	38	53	41
<b>Period 7/1/03 to 6/30/04</b>					
Average Monthly Benefit	912	2,485	2,707	4,015	4,604
Average-Average Final Compensation	48,937	55,083	57,040	61,335	61,437
Number of Active Retirees	1	3	56	49	79
<b>Period 7/1/04 to 6/30/05</b>					
Average Monthly Benefit	1,362	2,424	2,904	3,850	4,642
Average-Average Final Compensation	54,254	59,831	59,991	61,690	63,948
Number of Active Retirees	1	3	81	31	36

Fire and Police Employees' Retirement System  
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**AVERAGE MONTHLY SERVICE RETIREMENT BENEFIT PAYMENTS (Concluded)**

	Years of Credited Service				
	<u>10-15</u>	<u>16-20</u>	<u>21-25</u>	<u>26-30</u>	<u>31+</u>
<b>Period 7/1/05 to 6/30/06</b>					
Average Monthly Benefit		\$ 2,019	\$ 2,777	\$ 3,381	\$ 3,760
Average-Average Final Compensation		53,983	60,022	59,139	62,491
Number of Active Retirees		2	70	26	44
<b>Period 7/1/06 to 6/30/07</b>					
Average Monthly Benefit		3,518	2,916	3,651	3,576
Average-Average Final Compensation		100,170	62,301	64,576	63,410
Number of Active Retirees		2	58	12	76
<b>Period 7/1/07 to 6/30/08</b>					
Average Monthly Benefit	\$ 1,615		2,991	4,114	5,092
Average-Average Final Compensation	55,048		65,953	68,039	74,043
Number of Active Retirees	3		88	24	16
<b>Period 7/1/08 to 6/30/09</b>					
Average Monthly Benefit	1,575	2,224	3,145	4,614	5,238
Average-Average Final Compensation	58,129	56,686	67,699	75,622	70,033
Number of Active Retirees	1	2	65	27	24
<b>Period 7/1/09 to 6/30/10</b>					
Average Monthly Benefit	1,315	2,379	3,178	4,382	5,717
Average-Average Final Compensation	61,757	63,604	67,944	71,032	80,207
Number of Active Retirees	5	3	91	32	29
<b>Period 7/1/00 to 6/30/10</b>					
Average Monthly Benefit	1,267	2,419	2,878	3,893	4,379
Average-Average Final Compensation	56,038	60,627	60,909	62,948	63,454
Number of Active Retirees	12	19	624	318	393

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland  
**SCHEDULE OF ACTIVE MEMBERS BY YEARS OF SERVICE**

Years of Credited Service	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>
0-4	1,124	1,153	1,179	1,114	1,084	1,019	1,017	1,088	1,142	1,079
5-9	1,079	1,034	933	912	885	931	949	946	900	873
10-14	820	777	861	991	935	948	902	814	759	726
15-19	606	640	679	696	773	717	661	757	904	872
20-24	584	642	668	581	507	473	514	515	513	572
25-29	380	329	244	233	279	345	348	329	291	264
30+	<u>278</u>	<u>300</u>	<u>311</u>	<u>251</u>	<u>227</u>	<u>194</u>	<u>187</u>	<u>166</u>	<u>181</u>	<u>198</u>
Total Members	<u>4,871</u>	<u>4,875</u>	<u>4,875</u>	<u>4,778</u>	<u>4,690</u>	<u>4,627</u>	<u>4,578</u>	<u>4,615</u>	<u>4,690</u>	<u>4,584</u>
Average Service Credit	<u>12.60</u>	<u>12.81</u>	<u>12.88</u>	<u>12.56</u>	<u>12.48</u>	<u>12.46</u>	<u>12.52</u>	<u>12.34</u>	<u>12.45</u>	<u>12.71</u>
Average Age	<u>38.42</u>	<u>38.37</u>	<u>38.26</u>	<u>38.75</u>	<u>38.55</u>	<u>38.66</u>	<u>38.73</u>	<u>38.91</u>	<u>38.99</u>	<u>39.21</u>

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland

**SCHEDULE OF CURRENT ACTIVE MEMBERS BY YEARS OF SERVICE AND DEPARTMENT**  
**SCHEDULE OF CURRENT ACTIVE DROP AND DROP 2 MEMBERS BY YEARS OF SERVICE AND DEPARTMENT**  
 For the Year Ended June 30, 2010

Years of Credited Service	Schedule of Current Active Members By Years of Service and Department				Total
	Police Department	Fire Department	School Crossing Guards	Airport Employees	
0-4	752	327			1,079
5-9	517	356			873
10-14	532	194			726
15-19	667	205			872
20-24	279	285		8	572
25-29	144	116		4	264
30+	83	109	3	3	198
Total Members	<u>2,974</u>	<u>1,592</u>	<u>3</u>	<u>15</u>	<u>4,584</u>

Years of Credited Service	Schedule of Current Active DROP Members By Years of Service and Department				Total
	Police Department	Fire Department	School Crossing Guards	Airport Employees	
20-24	192	172		8	372
25-29	143	116		4	263
30+	82	107	1	3	193
Total DROP Members	<u>417</u>	<u>395</u>	<u>1</u>	<u>15</u>	<u>828</u>

Years of Credited Service	Schedule of Current Active DROP 2 Members By Years of Service and Department				Total
	Police Department	Fire Department	School Crossing Guards	Airport Employees	
20-24	30	25			55
25-29					
30+					
Total DROP 2 Members	<u>30</u>	<u>25</u>			<u>55</u>



Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland

**SCHEDULE OF CURRENT ACTIVE DROP AND DROP 2 MEMBERS BY FISCAL YEAR OF DROP ENTRY AND DEPARTMENT**

<u>Year of DROP Entry</u>	<u>Police Department</u>	<u>Fire Department</u>	<u>School Crossing Guards</u>	<u>Airport Employees</u>	<u>Total</u>
7/1/96 - 6/30/97	35	45		1	81
7/1/97 - 6/30/98	3	3			6
7/1/98 - 6/30/99	6	6	1		13
7/1/99 - 6/30/00	20	34		1	55
7/1/00 - 6/30/01	21	20		1	42
7/1/01 - 6/30/02	32	25			57
7/1/02 - 6/30/03	18	26			44
7/1/03 - 6/30/04	33	9		1	43
7/1/04 - 6/30/05	26	25		1	52
7/1/05 - 6/30/06	52	45		4	101
7/1/06 - 6/30/07	38	40			78
7/1/07 - 6/30/08	64	71			135
7/1/08 - 6/30/09	34	17		6	57
7/1/09 - 6/30/10	35	29			64
<b>Total DROP Members</b>	<u>417</u>	<u>395</u>	<u>1</u>	<u>15</u>	<u>828</u>

<u>Year of DROP 2 Entry</u>	<u>Police Department</u>	<u>Fire Department</u>	<u>School Crossing Guards</u>	<u>Airport Employees</u>	<u>Total</u>
7/1/09 - 6/30/10	<u>30</u>	<u>25</u>			<u>55</u>
<b>Total DROP 2 Members</b>	<u>30</u>	<u>25</u>			<u>55</u>

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland

**SCHEDULE OF RETIREES BY ATTAINED AGE AND TYPE OF RETIREMENT**  
 For the Year Ended June 30, 2010

<u>Age</u>	<u>Number of Recipients</u>	<u>TYPE OF RETIREMENT*</u>				
		<u>0</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>9</u>
0-24						
25-29	4			1	3	
30-34	24			4	20	
35-39	73			16	57	
40-44	145	57	4	16	67	1
45-49	300	178	6	25	90	1
50-54	463	384	1	20	58	
55-59	603	530	1	20	52	
60-64	866	771	1	20	74	
65-69	642	530		35	77	
70-74	526	424		40	60	2
75-79	440	328		39	72	1
80-84	294	212		31	51	
85 and up	<u>185</u>	<u>128</u>		<u>23</u>	<u>34</u>	
Totals	<u>4,565</u>	<u>3,542</u>	<u>13</u>	<u>290</u>	<u>715</u>	<u>5</u>
Average Annual Benefit	<u>\$34,394</u>	<u>\$36,143</u>	<u>\$31,138</u>	<u>\$18,272</u>	<u>\$32,164</u>	<u>\$58,124</u>

**\*Type of Retirement**

- 0 - Normal retirement for age and service
- 2 - Discontinued service
- 3 - Non-line-of-duty disability
- 4 - Line-of-duty disability
- 9 - Line-of-duty disability, 100% of compensation

Fire and Police Employees' Retirement System  
 City of Baltimore, Maryland

**SCHEDULE OF BENEFICIARIES BY ATTAINED AGE AND TYPE OF RETIREMENT**  
 For the Year Ended June 30, 2010

Age	Number of Recipients	TYPE OF RETIREMENT*											
		0	2	3	4	6	7a	7b	8				
0-24	31	3		5									
25-29	1				5					8			10
30-34	0									1			
35-39	5	1											
40-44	10	3		2						1			3
45-49	44	25		3					2	2			3
50-54	57	39		2					5	4			5
55-59	100	65		8					11	1			2
60-64	138	75	1	15					13	3			5
65-69	163	99		18					7	9			9
70-74	193	95		27					10	10			9
75-79	247	113		51					16	5			7
80-84	228	109		36					16	7			4
85 and up	230	145		22					13	2			9
Totals	1,447	772	1	189	246	97	41	23	1				78
Average Annual Benefit	\$15,682	\$14,743	\$11,971	\$9,893	\$12,937	\$24,467	\$9,834	\$19,967	\$38,596				

\*Type of Retirement

- 0 - Normal retirement for age and service
- 2 - Discontinued service
- 3 - Non-line-of-duty disability
- 4 - Line-of-duty disability
- 6 - Non-line-of-duty death, member eligible for service retirement at death
- 7a - Non-line-of-duty death, 25% of compensation
- 7b - Non-line-of-duty death, 25% of compensation, plus 1.5% of compensation for each year in excess of two years
- 8 - Line-of-duty death

Fire and Police Employees' Retirement System

City of Baltimore, Maryland

**SCHEDULE OF DROP RETIREES BY ATTAINED AGE AND TYPE OF RETIREMENT**

**SCHEDULE OF DROP BENEFICIARIES BY ATTAINED AGE AND TYPE OF RETIREMENT**

For the Year Ended June 30, 2010

**Schedule of DROP Retirees by Attained Age and Type of Retirement**

<u>Age</u>	<u>Number of Recipients</u>	<u>TYPE OF RETIREMENT*</u>	
		<u>0</u>	<u>4</u>
40-44	25	25	
45-49	140	131	9
50-54	331	321	10
55-59	409	396	13
60-64	470	464	6
65-69	249	246	3
70-74	115	115	
Totals	<u>1,739</u>	<u>1,698</u>	<u>41</u>
Average Annual Benefit	<u>\$41,509</u>	<u>\$41,467</u>	<u>\$43,251</u>

**Schedule of DROP Beneficiaries by Attained Age and Type of Retirement**

<u>Age</u>	<u>Number of Recipients</u>	<u>TYPE OF RETIREMENT*</u>					
		<u>0</u>	<u>3</u>	<u>4</u>	<u>6</u>	<u>7b</u>	<u>8</u>
20-24	4	1				3	
35-39	1	1					
45-49	22	21			1		
50-54	28	26			2		
55-59	40	32			7		1
60-64	32	23			6	1	2
65-69	46	44			2		
Totals	<u>173</u>	<u>148</u>			<u>18</u>	<u>4</u>	<u>3</u>
Average Annual Benefit	<u>\$18,269</u>	<u>\$15,339</u>			<u>\$33,248</u>	<u>\$22,604</u>	<u>\$67,142</u>

**\*Type of Retirement**

0 - Normal retirement for age and service

3 - Non-line-of-duty disability

4 - Line-of-duty disability: Member not eligible for DROP benefits

6 - Non-line-of-duty death, member eligible for service retirement at death

7b - Non-line-of-duty death, 25% of compensation, plus 1.5% of compensation for each year in excess of two years

8 - Line-of-duty death: Beneficiary not eligible for DROP benefits

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Fire & Police Employees' Retirement System  
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