# COMPREHENSIVE ANNUAL FINANCIAL REPORT 

Fiscal Year Ended
December 31, 2010


# Denver Employees Retirement Plan 

(A Component Unit of the City and County of Denver, Colorado)

# Comprehensive Annual Financial Report 

Fiscal Year Ended December 31, 2010

Thomas J. Migaki
Retirement Board Chairman

Steven E. Hutt
Executive Director

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## Introductory Section

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# Primary Plan Sponsor <br> City and County of Denver, Colorado 

## Elected Officials

Mayor Honorable John W. Hickenlooper

Auditor<br>Honorable Dennis J. Gallagher

## City Council

District 1
District 2
District 3
District 4
District 5
District 6
District 7
District 8
District 9
District 10
District 11
Council at-Large
Council at-Large

Honorable Paula Sandoval
Honorable Jeanne Faatz
Honorable Paul D. López
Honorable Peggy Lehmann
Honorable Marcia Johnson
Honorable Charlie Brown
Honorable Chris Nevitt
Honorable Carla Madison
Honorable Judy Montero
Honorable Jeanne Robb
Honorable Michael Hancock
Honorable Carol Boigon
Honorable Doug Linkhart

Clerk and Recorder
Honorable Stephanie Y. O’Malley

Steven E. Hutt
Executive Director 777 Pearl Street Denver, CO 80203 Ph. 303.839.5419 Fax 303.839-9525 www.derp.org

June 1, 2011
Dear Members of the Denver Employees Retirement Plan:
We are pleased to present the Comprehensive Annual Financial Report of the Denver Employees Retirement Plan (the Plan) of the City and County of Denver (the City) for the fiscal year ended December 31, 2010.

Comprehensive Annual Financial Report This report is an overview intended to give the reader reliable and useful information which describes the financial position of the Plan and provides assurance that the Plan is in compliance with applicable legal provisions. The Plan's management is responsible for the accuracy of the data contained in this report, and we believe the information included presents fairly the net assets of the Plan as of December 31, 2010, and the changes in net assets for the year then ended.

Internal Control The Plan's management has designed and implemented internal and accounting controls to provide reasonable assurance of the accuracy and reliability of all the financial records and the safekeeping of the Plan assets.

Independent Audit The Revised Municipal Code of the City requires an annual audit of the trust fund, with the results being furnished to the Mayor, the City Council, and the Auditor of the City. The Retirement Board selected the accounting firm BKD, LLP to render an opinion as to the fairness of the Plan's 2010 financial statements. The audit was performed in accordance with auditing standards generally accepted in the United States of America, as well as the standards for financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States. The Independent Accountants' Report is included in the Financial Section of this report.

Management's Discussion and Analysis Generally accepted accounting principles (GAAP) require that management provide a narrative introduction, overview, and 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 MD\&A and should be read in conjunction with it. The Plan's MD\&A can be found immediately following the report of the independent accountants in the Financial Section of this report.

Plan Profile The Plan was established on January 1, 1963, as a defined benefit plan. Most employees of the City, certain employees of the Denver Health and Hospital Authority (DHHA), and all of the Plan staff are covered by the Plan. Excluded from membership are the uniformed employees of the City's police and fire departments and the Denver Water Board. All active Plan members are required to contribute to Social Security while employed. As of December 31, 2010, there were 8,403 active and 7,606 retired members of the Plan.

The Plan is governed by a five member Board, the members of which are appointed for staggered six-year terms by the Mayor of the City. Additionally, the three members of the Advisory Committee are elected by the membership for staggered three-year terms.

All Plan-related benefit and administrative provisions are detailed in Sections 18-401 through 18-430.7 of the Revised Municipal Code of the City. Any amendments to the Plan must be enacted into ordinance by the Denver City Council and approved by the Mayor of the City.

The Plan provides normal, rule-of-75, early, and deferred retirement benefit options. At the time of retirement, a member may elect to receive a reduced benefit in order to provide a lifetime benefit to a spouse or an eligible beneficiary upon the member's death. The Plan also provides disability and death benefits. With respect to other postretirement benefits, the Plan offers retired members and their beneficiaries the option of purchasing health and dental insurance coverage. Based on a formula incorporating a member's years of service, the Plan pays a portion of the monthly insurance premiums). A more detailed explanation of benefits is outlined in the Summary of Principal Plan Provisions in the Actuarial Section of this report. The Plan's Membership Services representatives provide ongoing pre-retirement counseling to the active members and assist the retired members and their beneficiaries throughout the year.

Investment Performance The Plan follows a strategic asset allocation policy so that investments are diversified. The goal of the asset allocation is to provide the highest level of return at an acceptable level of risk. In 2010, the Plan continued to further diversify its asset allocation by adding asset classes to its investment portfolio. During 2010, securities markets continued to gradually recover from the global financial turmoil of recent years that had dramatically impacted pension funds and other investors throughout the world. The investment return achieved by the Plan in 2010 of 14.36 , net of all fees put the Plan's annual investment results within the top $18 \%$ of public pension funds nationally.

Funded Status The Plan's pension benefit fund ended the year with assets equaling $85 \%$ of liabilities on an actuarial basis, placing the fund at the very upper end of funded status compared to our peer group of other public pension funds. The Retirement Board, the Executive Director, and the Plan staff remain committed to managing the Plan's assets and liabilities to maintain the long-term financial soundness of the Plan and to have the funds needed to pay every dollar of benefits promised to every current and future retiree. A history of the Plan's funded status through January 1,2010 is presented in the required supplementary information in the Financial Section of this CAFR. Additional information is included in the Actuarial Section of the report.

Awards The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the Denver Employees Retirement Plan for its Comprehensive Annual Financial Report for the fiscal year ended December 31, 2009. The Certificate of Achievement is a prestigious national award recognizing excellence in the preparation of state and local government financial reports.

To be awarded the Certificate of Achievement for Excellence in Financial Reporting, a government unit must publish an easily readable and efficiently organized comprehensive annual financial report, the contents of which meet or exceed program standards. This report must satisfy both generally accepted accounting principles and applicable legal requirements. A Certificate of Achievement is valid for one year. The Plan has received a Certificate of Achievement for 21 years in a row. We believe this current report continues to meet the Certificate of Achievement program requirements and will submit it to the GFOA for consideration again this year.

Conclusion We would like to express our appreciation to the Plan staff members who served the membership throughout 2010 and who prepared this report. We hope that readers will find this report easy to read and understand, and will recognize the contributions that the Retirement Board, Advisory Committee, and Plan staff make toward the continued successful operation of the Plan.

Sincerely,


Thomas J. Migaki
Retirement Board Chairman


## Retirement Board

Each member is appointed by the Mayor of Denver


Cheryl Cohen-Vader
Term expires January 1, 2014


Irving S. Hook
Term expires January 1, 2011


Harry T. Lewis. Jr.
Term expires January 1, 2016


Thomas J. Migaki
Term expires January 1, 2015


Robert F. Strenski
Term expires January 1, 2013

## Advisory Committee

Each member is elected by the Plan membership


Michael F. Aleksick
Term expires May 31, 2012


Adeniyi M. Kelani, Ph.D.
Term expires May 31, 2011


Erma D. Zamora
Term expires May 31, 2013

## Professional Services

## Actuary

$>$ Gabriel Roeder Smith \& Co.
Custodian Bank
> JPMorgan Chase Bank

## Domestic Equity Managers

> Cadence Capital Management
> Franklin Global Advisors
$>$ Neuberger Berman, LLC
$>$ Northern Trust Global Investments
> NorthPointe Capital
> Sit Investment Associates, Inc.

Domestic Fixed Income Managers
> Northern Trust Global Investments
$>$ Seix Investment Advisors, Inc.

## Real Estate Managers

> Fidelity Real Estate Group
> JP Morgan Asset Management
> Prudential Real Estate Investors
$>$ UBS Global Asset Management
> Walton Street Capital

## Absolute Return Funds

> Prisma Capital Partners

## Independent Accountant

BKD, LLP
Investment Consulting
> Summit Strategies Group

## Investment Managers

International Equity Managers
$>$ Dimensional Fund Advisors
$>$ LSV Asset Management
$>$ Northern Trust Global Investments
> Pyramis Global Advisors
> Templeton Investment Counsel, LLC

## Emerging Fixed Income Managers

$>$ Smith Graham \& Company

Alternative Investments' Managers
> Adams Street Partners, LLC
> Hancock Timber Resource Group
> INVESCO Private Capital
> JP Morgan Asset Management
> TCW Energy Group
> Tortoise Capital Advisors

Investment commissions and fees can be found on pages 47-49 of the Investment Section.

## Certificate of Achievement for Excellence in Financial Reporting

Presented to

# Denver Employees Retirement Plan, Colorado 

For its Comprehensive Annual<br>Financial Report for the Fiscal Year Ended<br>December 31, 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 (CARs) achieve the highest standards in government accounting and financial reporting.


Executive Director

## Organizational Structure



Scott E. Baker

Financial Section

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# Independent Accountants' Report on Financial Statements and Supplementary Information 

To the Retirement Board of the Denver Employees Retirement Plan

We have audited the accompanying statement of plan net assets of the Denver Employees Retirement Plan (the Plan), a component unit of the City and County of Denver, as of December 31, 2010, and the related statement of changes in plan net assets for the year then ended. These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on these financial statements based on our audit. The prior year summarized comparative information has been derived from the Plan's 2009 financial statements and, in our report dated May 7, 2010, we expressed an unqualified opinion on the net assets of the Plan and the changes in its net assets.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes 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, the financial statements referred to above present fairly, in all material respects, the net assets of the Plan as of December 31,2010, and the changes in its net assets for the year then ended, in conformity with accounting principles generally accepted in the United States of America.

The accompanying management's discussion and analysis, schedule of funding progress and schedule of employer contributions as listed in the table of contents are not required parts of the basic financial statements but are supplementary information required by the Governmental Accounting Standards Board. We have applied certain limited procedures, which consisted principally of inquiries of management regarding the methods of measurement and presentation of the required supplementary information. However, we did not audit the information and express no opinion on it. Our audit was conducted for the purpose of forming an opinion on the financial statements taken as a whole. The introductory section, investment section, actuarial section, statistical section and supporting schedules (schedule of administrative expenses and schedule of investment expenses), as listed in the table of contents, are presented for purposes of additional analysis and are not a required part of the Plan's basic financial statements. The supporting schedules have been subjected to the auditing procedures applied 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 in the audit of the basic financial statements and, accordingly, we express no opinion on them.

$$
B K D, L L P
$$

May 17, 2011

## Management's Discussion and Analysis

This is an analysis and overview of the financial activities of the Denver Employees Retirement Plan (the Plan) for the year ended December 31, 2010. For additional information, please refer to the basic financial statements, notes to the financial statements, required supplementary information, and supporting schedules.

## Financial Highlights

As of December 31, 2010, $\$ 1,802,143,029$ was held in trust for the payment of benefits and to meet the Plan's future obligations to its members and their beneficiaries.

For 2010, the Plan's total net assets held in trust increased by $\$ 143,056,366$, an $8.6 \%$ increase from the amount of net assets reported at the end of 2009. The overall net increase for 2010 is primarily the result of favorable financial markets.

Additions to the Plan net assets included contributions of $\$ 38,427,461$ from the City and County of Denver (the City) and $\$ 6,725,600$ from the Denver Health and Hospital Authority (DHHA). Active members of the Plan contributed $\$ 23,090,262$, including previously refunded contributions of $\$ 710,209$. The Plan had net investment earnings of $\$ 227,280,539$ including net securities lending transaction income of $\$ 453,866$.

Deductions from the Plan net assets during 2010 totaled $\$ 152,467,496$. This amount is $12.7 \%$ higher than the total 2009 deductions. Increase retired member benefits, due to an increase in the retired member population and generally higher benefits per retiree, are responsible for the higher disbursement amount.

The Plan's funding objective is to meet its long-term benefit obligations through employer and employee contributions and investment returns. As of January 1, 2010, the date of the last actuarial valuation, the funded ratio for the pension and health benefits was $88.4 \%$ and $63.8 \%$, respectively.

## Overview of the Financial Statements

The following discussion and analysis is intended to serve as an introduction to the Plan's financial statements which follow. The financial statements include:

- Statement of Plan Net Assets
- Statement of Changes in Plan Net Assets
- Notes to Financial Statements
- Required Supplementary Information

The Statement of Plan Net Assets presents the Plan's assets and liabilities as of December 31, 2010, with summarized comparative totals for 2009 . This statement reflects the net assets available for benefits in the retirement and the health benefits' funds as of December 31, 2010.

The Statement of Changes in Plan Net Assets shows the additions to and deductions from the Plan's net assets during 2010, with summarized comparative totals for 2009.

The Governmental Accounting Standards Board (GASB) promulgates the requirements for financial statement presentation and certain disclosures for state and local governmental entities. The financial statements, notes to financial statements, and required supplementary information presented in this report were prepared in compliance with applicable GASB pronouncements.

## Management's Discussion and Analysis

The financial statements provide a snapshot of the Plan's assets and liabilities as of December 31 and the financial activities which occurred during the year. The financial statements were prepared using the economic resources measurement focus and the accrual basis of accounting. Investment activities have been reported based on trade dates and were valued pursuant to independent outside sources. All capital assets, exclusive of land and construction in progress, are depreciated over their useful lives. Refer to the financial statements and notes to the financial statements for additional information.

Notes to the Financial Statements provide additional information which is essential for a full understanding of the basic financial statements.

Required Supplementary Information provides additional information and details about the Plan's progress in funding its future obligations and the history of employer and employee contributions.

## Financial Analysis

There are several ways to measure the Plan's financial status. One means is to determine the Plan's net assets available to pay benefits. This is the difference between total assets and total liabilities. Another way is to refer to the funded ratio which takes into account the actuarial assets and actuarial liabilities of the Plan. As of January 1,2010 , the date of the last actuarial valuation, the pension benefits fund had a funded ratio of $88.4 \%$, or for every dollar of pension benefits due participants, the Plan had approximately $\$ 0.88$ in actuarial assets available for payment. The health benefits account had a funded ratio of $63.8 \%$, meaning the Plan had approximately $\$ 0.64$ in actuarial assets available for payment for every dollar of health benefits due.

On December 31, 2010, the Plan's net assets totaled $\$ 1,802,143,029$. Of this amount, $\$ 98,884,382$ represented funds reserved in the Deferred Retirement Option Plan (DROP) and the Amended Deferred Retirement Option Plan (DROP II) accounts.

The Plan's Board has an investment allocation strategy in place and, with the help of an outside consultant, continually monitors the Plan's investments. The Plan's assets increased in 2010 due mostly to favorable market conditions, continuing to regain the ground lost during 2008. As of December 31, the Plan's net assets were:

|  | 2010 |  | 2009 |  | Amount of Change |  | Percentage Change |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Assets |  |  |  |  |  |  |  |
| Cash, short-term investments, and receivables and prepaid items |  | 44,797,778 | \$ | 50,146,515 | \$ | $(5,348,737)$ | -10.7\% |
| Securities lending collateral |  | 145,903,959 |  | 208,050,981 |  | $(62,147,022)$ | -29.9\% |
| Investments, at fair value |  | 1,761,186,121 |  | 1,619,090,291 |  | 142,095,830 | 8.8\% |
| Capital assets, net |  | 3,971,522 |  | 2,845,256 |  | 1,126,266 | 39.6\% |
| Total assets |  | 1,955,859,380 |  | 1,880,133,043 |  | 75,726,337 | 4.0\% |
| Liabilities |  |  |  |  |  |  |  |
| Accounts payable and unsettled securities purchased |  | 2,135,863 |  | 7,266,979 |  | $(5,131,116)$ | -70.6\% |
| Securities lending obligations |  | 151,580,488 |  | 213,779,401 |  | $(62,198,913)$ | -29.1\% |
| Total liablilities |  | 153,716,351 |  | 221,046,380 |  | $(67,330,029)$ | -30.5\% |
| Plan net assets |  | 1,802,143,029 | \$ | 1,659,086,663 | \$ | 143,056,366 | 8.6\% |

## Reserves

The Plan has established a reserve account for accumulated DROP benefits of $\$ 98,884,382$ as of December 31, 2010. These funds are reserved for individuals who elected to participate in the DROP programs. Upon retirement, the member could elect to receive distributions or keep the accumulated monies with the Plan. The remaining assets are available to pay retirement and health benefits.

## Plan Activities

As a result of favorable market conditions, the sum of net investment earnings and contributions exceeded the total Plan deductions, resulting in an overall 8.6\% increase in Plan net assets for the year. Benefit payments increased due to an overall larger retiree population. For the years ended December 31, the Plan's activities were:

|  | 2010 |  | 2009 |  | Amount of Change |  | Percentage Change |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Additions |  |  |  |  |  |  |  |
| Contributions | \$ | 68,243,323 | \$ | 61,819,351 | \$ | 6,423,972 | 10.4\% |
| Net investment earnings |  | 227,280,539 |  | 207,270,884 |  | 20,009,655 | 9.7\% |
| Total additions, net |  | 295,523,862 |  | 269,090,235 |  | 26,433,627 | 9.8\% |
| Deductions |  |  |  |  |  |  |  |
| Benefits |  | 149,796,457 |  | 132,645,820 |  | 17,150,637 | 12.9\% |
| Administrative expenses |  | 2,671,039 |  | 2,679,266 |  | $(8,227)$ | -0.3\% |
| Total deductions |  | 152,467,496 |  | 135,325,086 |  | 17,142,410 | 12.7\% |
| Change in net assets |  | 143,056,366 |  | 133,765,149 |  | 9,291,217 | 6.9\% |
| Beginning of year net assets |  | 1,659,086,663 |  | 1,525,321,514 |  | 133,765,149 | 8.8\% |
| End of year net assets | \$ | 1,802,143,029 | \$ | 1,659,086,663 | \$ | 143,056,366 | 8.6\% |

## Additions to Plan Net Assets

The monies needed to pay benefits are accumulated from the contributions made from employers, employees, and income generated from the Plan's investments. Earnings or losses on investments are reported net of investment management expenses. Employer contributions for 2010 totaled $\$ 45,153,061$, which is $5.3 \%$ lower than the 2009 amounts contributed, due primarily to lower covered payroll cost in 2010. During 2010, employees contributed a total of $\$ 23,090,262$; which is an increase of $63.3 \%$ over the 2009 amount, due to increases in contribution rates and service buybacks. The Plan's net investment return was approximately $14.4 \%$ in 2010 compared to $13.7 \%$ in 2009.

[^0]| 2010 |  | 2009 |  | Amount of Change |  | Percentage Change |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$ | 45,153,061 | \$ | 47,678,161 | \$ | $(2,525,100)$ | -5.3\% |
|  | 23,090,262 |  | 14,141,190 |  | 8,949,072 | 63.3\% |
|  | 191,970,947 |  | 164,521,983 |  | 27,448,964 | 16.7\% |
|  | 42,124,054 |  | 49,251,343 |  | $(7,127,289)$ | -14.5\% |
|  | 453,866 |  | 880,613 |  | $(426,747)$ | -48.5\% |
|  | $(7,268,328)$ |  | $(7,383,055)$ |  | 114,727 | 1.6\% |
| \$ | 295,523,862 | \$ | 269,090,235 | \$ | 26,433,627 | 9.8\% |

## Financial Section

## Management's Discussion and Analysis

## Deductions from Plan Net Assets

The Plan provides a lifetime pension benefit to its retired members, as well as survivor, disability, and retiree health, dental and vision benefits. Annual expenses of the Plan include retirement benefits, DROP distributions, refunds of employee contributions and administrative expenses. For the year ended December 31, 2010, deductions totaled $\$ 152,467,496$, an increase of $12.7 \%$ over the amount of 2009 total deductions. The increase is attributed to higher benefit payments resulting from an increasing retired member population and relatively higher benefits per retiree.

|  | 2010 |  | 2009 |  | Amount of Change |  | Percentage Change |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Benefits | \$ | 149,100,328 | \$ | 132,195,264 | \$ | 16,905,064 | 12.8\% |
| Employee refunds |  | 696,129 |  | 450,556 |  | 245,573 | 54.5\% |
| Administrative expenses |  | 2,671,039 |  | 2,679,266 |  | $(8,227)$ | -0.3\% |
| Total deductions | \$ | 152,467,496 | \$ | 135,325,086 | \$ | 17,142,410 | 12.7\% |

## Capital Assets

Capital assets, net of accumulated depreciation, increased $\$ 1,126,266$ for the year ended December 31, 2010, which is comprised principally of addition to construction in progress for replacement of a computer system for benefits administration, net of depreciation expense of $\$ 50,945$. See Note 9 for additional information.

## Requests for Information

This management's discussion and analysis is intended to provide the Plan's Board, participating employers, and the membership with an overview of the Plan's financial position as of December 31, 2010, and a summary of the Plan's activities for the year then ended.

Questions about any of the information presented or requests for additional information should be directed to:

Denver Employees Retirement Plan
777 Pearl Street
Denver, CO 80203
Phone: 303-839-5419
Fax: 303-839-9525
Website: www.derp.org
Email: mbrsvs@derp.org

## Statement of Plan Net Assets

December 31, 2010
(with Summarized Comparative Totals for December 31, 2009)

|  | Pension Benefits | Health Benefits |  | December 31, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 2010 |  | 2009 |
| Assets |  |  |  |  |  |  |  |
| Cash and short-term investments | \$ 38,482,887 | \$ | 1,705,135 | \$ | 40,188,022 | \$ | 43,707,135 |
| Securities lending collateral | 139,713,408 |  | 6,190,551 |  | 145,903,959 |  | 208,050,981 |
| Receivables |  |  |  |  |  |  |  |
| Contributions | - |  | - |  | - |  | 783,960 |
| Unsettled securities sold | 432,595 |  | 19,168 |  | 451,763 |  | 304,194 |
| Interest and dividends | 2,384,346 |  | 105,647 |  | 2,489,993 |  | 5,351,226 |
| Total receivables | 2,816,941 |  | 124,815 |  | 2,941,756 |  | 6,439,380 |
| Investments, at fair value |  |  |  |  |  |  |  |
| U.S. Government obligations | 200,747,699 |  | 8,894,915 |  | 209,642,614 |  | 142,670,902 |
| Domestic corporate bonds and other fixed income | 212,065,561 |  | 9,396,397 |  | 221,461,958 |  | 320,576,112 |
| Domestic stocks | 579,254,229 |  | 25,666,133 |  | 604,920,362 |  | 617,995,569 |
| International stocks | 383,494,349 |  | 16,992,223 |  | 400,486,572 |  | 343,744,592 |
| Real estate | 118,516,320 |  | 5,251,331 |  | 123,767,651 |  | 107,887,951 |
| Alternative investments | 163,399,598 |  | 7,240,061 |  | 170,639,659 |  | 86,215,165 |
| Absolute return | 28,983,095 |  | 1,284,210 |  | 30,267,305 |  | - |
| Total investments | 1,686,460,851 |  | 74,725,270 |  | 1,761,186,121 |  | 1,619,090,291 |
| Prepaid Items | 1,597,229 |  | 70,771 |  | 1,668,000 |  |  |
| Capital assets |  |  |  |  |  |  |  |
| Land | 411,795 |  | 18,246 |  | 430,041 |  | 430,041 |
| Building and equipment, net of accumulated depreciation | 459,795 |  | 20,373 |  | 480,168 |  | 513,404 |
| Construction in progress | 2,931,424 |  | 129,889 |  | 3,061,313 |  | 1,901,811 |
| Total assets | 1,872,874,330 |  | 82,985,050 |  | 1,955,859,380 |  | 1,880,133,043 |
| Liabilities |  |  |  |  |  |  |  |
| Unsettled securities purchased | 557,910 |  | 24,720 |  | 582,630 |  | 5,280,735 |
| Securities lending obligations | 145,149,088 |  | 6,431,400 |  | 151,580,488 |  | 213,779,401 |
| Accounts payable | 1,487,331 |  | 65,902 |  | 1,553,233 |  | 1,986,244 |
| Total liabilities | 147,194,329 |  | 6,522,022 |  | 153,716,351 |  | 221,046,380 |
| Net assets held in trust for benefits | \$ 1,725,680,001 | \$ | 76,463,028 | \$ | 1,802,143,029 | \$ | 1,659,086,663 |
| Net assets held in trust for pension and health benefits | \$ 1,626,795,619 | \$ | 76,463,028 | \$ | 1,703,258,647 | \$ | 1,560,663,849 |
| Net assets held in reserve for DROP and DROP II benefits | 98,884,382 |  | - |  | 98,884,382 |  | 98,422,814 |
| Net assets held in trust for benefits | \$ 1,725,680,001 | \$ | 76,463,028 | \$ | 1,802,143,029 | \$ | 1,659,086,663 |

See Notes to Financial Statements

Statement of Changes in Plan Net Assets
Year Ended December 31, 2010
(with Summarized Comparative Totals for the Year Ended December 31, 2009)

|  | Pension Benefits |  | Health Benefits |  | Year ended December 31, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 2010 |  | 2009 |
| Additions |  |  |  |  |  |  |  |  |
| Contributions |  |  |  |  |  |  |  |  |
| City and County of Denver, Colorado | \$ | 36,157,090 |  |  | \$ | 2,270,371 | \$ | 38,427,461 | \$ | 41,006,134 |
| Denver Health and Hospital Authority |  | 6,071,113 |  | 654,487 |  | 6,725,600 |  | 6,672,027 |
| Plan members |  | 21,139,754 |  | 1,950,508 |  | 23,090,262 |  | 14,141,190 |
| Total contributions |  | 63,367,957 |  | 4,875,366 |  | 68,243,323 |  | 61,819,351 |
| Investment earnings |  |  |  |  |  |  |  |  |
| Net appreciation in fair value of investments $\qquad$ 183,782,775 8,188,172 <br> 191,970,947 <br> 164,521,983 |  |  |  |  |  |  |  |  |
| Interest |  | 18,430,312 |  | 833,404 |  | 19,263,716 |  | 25,376,571 |
| Dividends |  | 13,307,241 |  | 599,830 |  | 13,907,071 |  | 15,197,459 |
| Real estate/alternative investments, and absolute return income |  | 8,567,459 |  | 385,808 |  | 8,953,267 |  | 8,677,313 |
|  |  | 224,087,787 |  | 10,007,214 |  | 234,095,001 |  | 213,773,326 |
| Investment expenses |  | $(6,955,911)$ |  | $(312,417)$ |  | $(7,268,328)$ |  | $(7,383,055)$ |
|  |  | 217,131,876 |  | 9,694,797 |  | 226,826,673 |  | 206,390,271 |
| Securities lending transactions income |  | 631,080 |  | 28,529 |  | 659,609 |  | 1,433,075 |
| Securities lending transactions expenses |  |  |  |  |  |  |  |  |
| Borrower rebates |  | $(52,108)$ |  | $(2,358)$ |  | $(54,466)$ |  | $(257,497)$ |
| Agent fees |  | $(144,735)$ |  | $(6,542)$ |  | $(151,277)$ |  | $(294,965)$ |
|  |  | 434,237 |  | 19,629 |  | 453,866 |  | 880,613 |
| Net investment earnings |  | 217,566,113 |  | 9,714,426 |  | 227,280,539 |  | 207,270,884 |
| Total additions, net |  | 280,934,070 |  | 14,589,792 |  | 295,523,862 |  | 269,090,235 |
| Deductions |  |  |  |  |  |  |  |  |
| Retired member benefits |  | 130,079,425 |  | 11,708,006 |  | 141,787,431 |  | 126,202,469 |
| DROP and DROP II benefits paid |  | 7,312,897 |  | - |  | 7,312,897 |  | 5,992,795 |
| Refunds of contributions |  | 666,009 |  | 30,120 |  | 696,129 |  | 450,556 |
| Administrative expenses |  | 2,555,677 |  | 115,362 |  | 2,671,039 |  | 2,679,266 |
| Total deductions |  | 140,614,008 |  | 11,853,488 |  | 152,467,496 |  | 135,325,086 |
| Change in net assets |  | 140,320,062 |  | 2,736,304 |  | 143,056,366 |  | 133,765,149 |
| Net assets held in trust for benefits |  |  |  |  |  |  |  |  |
| Beginning of year |  | 1,585,359,939 |  | 73,726,724 |  | 1,659,086,663 |  | 1,525,321,514 |
| End of year | \$ | 1,725,680,001 | \$ | 76,463,028 | \$ | 1,802,143,029 | \$ | 1,659,086,663 |

See Notes to Financial Statements

## Notes to Financial Statements

## Note 1 PLAN DESCRIPTION

The Denver Employees Retirement Plan (the Plan) administers a cost-sharing multiple-employer defined benefit plan providing pension and post-retirement health benefits to eligible members. The Plan was established in 1963 by the City and County of Denver, Colorado. During 1996, the Denver Health and Hospital Authority (DHHA) was created and joined the Plan as a contractual entity. In 2001, the Plan became closed to new entrants from DHHA. All risks and costs are shared by the City and County of Denver (the City) and DHHA. There is a single actuarial evaluation performed annually that covers both the pension and post-retirement health benefits. All assets of the Plan are funds held in trust by the Plan for its members for the exclusive purpose of paying pension and post-retirement health benefits.

Substantially all of the general employees of the City, certain employees of DHHA, and all employees of the Plan are covered under the Plan. The classified service employees of the Denver Police and Denver Fire Departments, and the employees of the Denver Water Board are covered by separate retirement systems. At December 31, 2010, the Plan membership consisted of the following:

|  | Pension <br> Benefits | Health <br> Benefits |
| :--- | ---: | ---: |
| Retirees and beneficiaries currently receiving benefits | 7,606 | 5,356 |
| Retirees and beneficiaries entitled to health benefits but not receiving any | - | 2,250 |
| Terminated employees entitled to benefts but not yet receiving them | 3,343 | 3,343 |
| Current employees: |  |  |
| $\quad$ Vested | 5,912 | 5,912 |
| $\quad$ Non-vested | $\underline{2,491}$ | $\underline{19,352}$ |
| Total | $\underline{19,352}$ |  |

The following brief description of the Plan is provided for general information purposes only. Sections 18-401 through 18-430.7 of the City's Revised Municipal Code should be referred to for complete details of the Plan.

The Plan provides retirement, death and disability benefits for its members and their beneficiaries. Members who retire at or after age 65 (or at age 55 if the sum of their age and credited service is at least 75 ) are entitled to an annual retirement benefit, in an amount equal to as much as $2.0 \%$ of their final average salary for each year of credited service, payable monthly for life. Effective for employees hired after September 1, 2004, the Plan formula multiplier was reduced to $1.5 \%$. Final average salary is based on the member's highest salary during a 36 consecutive month period of credited service. Members with 5 years of credited service may retire at or after age 55 and receive a reduced retirement benefit. Annual cost of living adjustments are granted on an ad hoc basis. The estimated cost of benefit and contribution provisions is determined annually by an independent actuary, recommended by the Plan's Board and enacted into ordinance by the Denver City Council.

The health benefits' account was established by City Ordinance in 1991 to provide, beginning January 1, 1992, post-employment health care benefits in the form of a premium reduction to retired members, their spouses and dependents, spouses and dependents of deceased active and retired members, and members of the Plan awaiting approval of retirement applications. During 2010, the monthly health insurance premium reduction was $\$ 12.50$ per year of service for retired participants under the age of 65 , and $\$ 6.25$ per year of service for retirees aged 65 and older. The health insurance premium reduction can be applied to the payment of medical, dental, and/or vision insurance premiums. The benefit recipient pays any remaining portion of the premiums.

## Notes to Financial Statements

## Note 2 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

## Reporting Entity

The Plan has separate legal standing and is fiscally independent of the City. However, based upon the criterion of financial accountability as defined by Governmental Accounting Standards Board (GASB) Statement No. 14, The Financial Reporting Entity, as amended, the Plan is reported as a component unit of the City's financial reporting entity.

## Basis of Accounting and Presentation

The accompanying financial statements are prepared in accordance with accounting principles generally accepted in the United States of America. The Plan is accounted for using the economic resources measurement focus and the accrual basis of accounting. Employer/employee contributions and investment earnings are recognized in the period in which they are due and earned, respectively. Expenses are recognized when incurred. Benefits and refunds are recognized when due and payable in accordance with the terms of the Plan.

## Plan Expenses

The Plan's Board acts as the trustee of the Plan's assets. The operating and other administrative expenses incurred by the Board, or its employees, in the performance of its duties as the Plan's trustee are paid from the assets of the Plan accumulated from contributions and investment earnings. Such expenses totaled $\$ 2,671,039$ in 2010, and are reported as administrative expenses in the accompanying statement of changes in plan net assets.

## Investments

The Plan's investments are reported at fair value. The fair value of domestic stocks is based on prices reported by national exchanges. The fair value of international stocks and fixed income securities are based on prices obtained from an approved independent pricing service. Fair values of real estate and alternative investments are determined by independent periodic appraisals of properties owned in the various investment funds. Short-term investments, with the exception of international funds, are recorded at amortized cost which approximates fair value. Investment earnings are recognized as earned. Gains and losses on sales and exchanges of securities are recognized on the trade date.

For 2010, the Plan realized net gains on the disposition of investments of $\$ 93,385,532$. The calculation of realized gains and losses is independent of the calculation of the net appreciation in the fair value of the Plan's investments and is determined using the weighted average cost method. Unrealized gains and losses on investments held for more than one year and sold in the current year were included in the net appreciation in the fair value of investments reported for 2010.

Investments of the Plan shall be in accordance with all applicable laws of the State of Colorado and the City, specifically:

- Investments shall be solely in the interest of the participants and their beneficiaries and for the exclusive purpose of providing benefits to the participants and their beneficiaries.
- Investments shall be made with the care, skill, prudence and diligence under the circumstances then prevailing that a prudent investor acting in a like capacity and familiar with these matters would use in the conduct of an enterprise of a like character and with like aims.
- Investments shall be diversified so as to minimize the risk of loss and to maximize the rate of return, unless under the circumstances it is clearly prudent not to do so.


## Notes to Financial Statements

## Note 2 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

## Capital Assets

Capital assets, which include land, building, furniture and equipment, and construction in progress, are recorded at historical cost. The Plan's capitalization threshold for capital assets is $\$ 500$ of cost and a useful life in excess of one year. The costs of routine maintenance and repairs that do not add to the value of capital assets or materially extend assets' lives are not capitalized. Depreciation on capital assets, excluding land and construction in progress, is calculated using the straight-line method over the following estimated useful lives:

| Building | 30 years |
| :--- | ---: |
| General office equipment | 10 years |
| Computer equipment | 5 years |

## Prepaid Items

Certain payments to vendors for health insurance reflect costs associated to future accounting periods and are recorded as prepaid items.

## Income Taxes

The Plan's current determination letter issued by the Internal Revenue Service, dated October 19, 2001, qualifies the Plan as a tax-exempt entity pursuant to Section 401(a) of the Internal Revenue Code. Earnings on the trust funds are exempt from federal income tax under Section 501(a) of the Internal Revenue Code. Although the Plan has been subsequently amended, the Board and management are of the opinion that the Plan, as amended, meets the IRS requirements and therefore continues to be tax exempt. The Plan received a new determination letter on January 5, 2011.

## Estimates Made by Management

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires the Plan's management to make certain estimates and assumptions that affect the reported amounts of assets, liabilities, and changes therein and disclosure of contingent assets and liabilities at the date of the financial statements. Actual results could differ from those estimates.

## Prior-Year Summarized Totals

The basic financial statements include certain prior year summarized comparative information in total, but do not present detail for the pension or health benefits' accounts. Such information does not include sufficient detail to constitute a presentation in conformity with accounting principles generally accepted in the United States of America. Accordingly, such information should be read in conjunction with the Plan's audited financial statements for the year ended December 31, 2009, from which the summarized information was derived.

## Current Economic Conditions

The current economic environment continues to present public employee benefit plans such as the Plan with challenges which have resulted in substantial volatility in the fair value of investments. The accompanying financial statements have been prepared using values and information available to the Plan as of the date of the financial statements. Due to the volatility of economic conditions, the values of assets recorded in the financial statements could change materially in the future.

## Notes to Financial Statements

## Note 3 CONTRIBUTIONS

The Plan's funding policy provides for annual contributions at rates determined by an independent actuary recommended by the Plan's Board and enacted by City ordinance which, when expressed as a percentage of annual covered payroll, are sufficient to accumulate assets to pay benefits when due. During 2010, the actuarially determined contribution rates, expressed as a percentage of covered payroll, for the pension and health benefits were $13.72 \%$ and $1.31 \%$, respectively, for a combined total of $15.03 \%$. The City enacted Ordinance No. 636 in 2010 to re-set the combined total contribution rate to $15.00 \%$ effective January, 2011. In 2010, employers contributed a total of $8.50 \%$ of covered payroll and employees made a pre-tax contribution of $4.50 \%$ in accordance with Section 18-407 of the City's Revised Municipal Code. The employees' contribution was handled as a payroll deduction and was forwarded to the Plan with the employers' contribution. During 2010, the employers contributed $\$ 42,228,203$ for pension benefits and $\$ 2,924,858$ for health benefits while the employees contributed a total of $\$ 21,139,754$ for pension benefits and $\$ 1,950,508$ for health benefits.

An actuarial valuation is performed annually by an independent actuarial consultant to determine that contributions are sufficient to provide funds for future benefits and to evaluate the funded status of the Plan. For 2010, in accordance with the January 1, 2010, actuarially determined contribution requirements, the total required contribution was $\$ 76,065,011$ ( $\$ 55,888,400$ of normal cost and $\$ 13,540,921$ amortization of the unfunded actuarial accrued liability for pension benefits; $\$ 2,577,200$ of normal cost and $\$ 4,058,490$ amortization of the unfunded actuarial accrued liability for health benefits) based on a rate of $15.03 \%$ of projected payroll. The actual contribution was $\$ 67,533,114$ using a rate of $13.00 \%$ of covered payroll, which when combined with the members' repayments of $\$ 710,209$, discussed below, resulted in total contributions of $\$ 68,243,323$. In accordance with a separate agreement between DHHA and the Plan, DHHA was to make a supplemental contribution in the amount of $\$ 1,970,672$, which is included in the total contributions amount.

During 2010, employee contributions totaled $\$ 23,090,262$ and were allocated to pension and health benefits in the same manner as the employers' contributions. Regular employee contributions were not required or allowed between January 1, 1979, and September 30, 2003. However, City ordinance currently allows members to repay refunded contributions plus interest to reinstate service credits for periods prior to January 1, 1979. Any employee who made contributions after September 30, 2003, and was not vested upon leaving covered service could request a refund of those contributions. Eligible active members may also purchase permissive service credits in accordance with the Internal Revenue Code, which includes a maximum of five years of nonqualified service credits. Members paid \$710,209 under these provisions during 2010.

## Note 4 DEFERRED RETIREMENT OPTION PLAN (DROP)

Between January 1, 2001, and April 30, 2003, active members of the Plan who were eligible for a normal or rule-of- 75 retirement could choose to enter the Deferred Retirement Option Plan (DROP) for a maximum of four years. After April 30, 2003, no active member with an actual and effective date of retirement after May 1, 2003, could enter or participate in DROP. Under DROP, the member's monthly retirement benefit was calculated as of the date of DROP entry. While participating in DROP, the member continued to work for the employer, earning a regular salary. The monthly retirement benefits were deposited into a DROP account maintained by the Plan. The balance in each member's DROP account earns interest at a rate equal to the actuarial assumed rate of return, currently $8 \%$ per annum. Sections 18-422 through 18-429 of the City's Revised Municipal Code should be referred to for more complete information on DROP. Upon retirement, members have access to the funds accumulated during their participation in DROP. As of December 31, 2010, there were no remaining DROP participants. During 2010, a total of $\$ 7,473,946$ in interest was credited to members' DROP accounts. During 2010, a total of $\$ 6,859,685$ was distributed from the DROP accounts to members who had retired and exited DROP. As of December 31, 2010, the reserve for DROP payments was $\$ 94,486,021$.

## Notes to Financial Statements

## Note 5 AMENDED DEFERRED RETIREMENT OPTION PLAN (DROP II)

Between May 1, 2003, and August 31, 2003, active members of the Plan who were eligible for a normal or rule-of- 75 retirement could choose to enter the Amended Deferred Retirement Option Plan (DROP II) for a maximum of five years. While participating in DROP II, the member continued to work for the employer, earning a regular salary. The member's monthly retirement benefits were deposited into a DROP II account maintained by the Plan. The balance in each member's DROP II account earns interest equal to the Plan's investment earnings rate provided it is not less than 3\% per annum and not more than the Plan's annual actuarial assumed rate of return, currently $8 \%$ per annum. Sections 18-430 through 18-430.7 of the City's Revised Municipal Code should be referred to for more complete information on DROP II. Upon exiting DROP II, members have access to the funds accumulated during their participation in DROP II. On December 31, 2010, there were no remaining DROP II participants. A total of $\$ 300,519$ in interest was credited to members' DROP II accounts during 2010. Also during 2010, a total of $\$ 453,212$ was distributed to members who had exited DROP II. As of December 31, 2010, the reserve for DROP II payments was $\$ 4,398,361$.

## Note 6 FUNDED STATUS AND FUNDING PROGRESS

The funded status of the Plan as of January 1, 2010, was as follows:

|  | Pension <br> Benefits | Health <br> Benefits |
| :--- | ---: | ---: |
| Actuarial accrued liability (AAL) | $\$ 2,176,242,736$ | $\$ 141,642,522$ |
| Actuarial value of Plan assets | $1,923,560,713$ | $90,414,800$ |
| Unfunded AAL | $252,682,023$ | $51,227,722$ |
| Funded ratio (actuarial value of Plan assets/AAL) | $88.4 \%$ | $63.8 \%$ |
| Covered payroll (active Plan members) | $\$ 506,045,186$ | $\$ 506,045,186$ |
| Unfunded AAL as a percentage of covered payroll | $49.9 \%$ | $10.1 \%$ |

The actuarial valuation of the Plan's pension and health benefits involve estimates of the value of reported amounts and assumptions about the probability of certain events well into the future. Actuarially determined amounts are subject to revision as actual results are compared with past expectations and new estimates are made about the future. The schedule of funding progress, presented as required supplementary information immediately following the notes to the financial statements, presents multi-year trend information showing whether the actuarial value of the Plan's assets is increasing or decreasing over time.

The value of projected benefits for financial reporting purposes are based upon the substantive plan in effect at the time of each actuarial valuation, and the pattern of sharing costs between the employers and plan members to that point. Consistent with the long-term perspective of the actuarial calculations, the actuarial methods and assumptions used include techniques intended to reduce short-term volatility in the actuarial accrued liabilities and the actuarial value of assets.

For the January 1, 2010, actuarial valuation, the projected unit credit valuation method was used. The Actuarial Value of Assets recognizes $20 \%$ of the difference between the projected actuarial value and the market value at the valuation date. This method has the effect of smoothing volatility in investment returns The actuarial assumptions included an $8.0 \%$ investment rate of return (net of administrative expenses), projected salary increases of $3.0 \%-6.3 \%$, including inflation of $3.0 \%$, and no cost of living increases. Healthcare cost trend rate is not applicable for health benefits as the benefit is based upon the member's age and years of service. The amortization period at December 31, 2010 was 30 years using a level dollar, open basis, amortization method.

In 2009, an experience study was done for DHHA members, resulting in revised retirement and termination assumptions for DHHA members. The January 1, 2010, actuarial valuation incorporates the revised actuarial assumptions for the retirement and termination rates for DHHA members.

## Notes to Financial Statements

## Note 7 DEPOSITS AND INVESTMENTS

It is the objective of the Plan in managing the trust as a whole to provide a net realized real rate of return meeting or exceeding the actuarial assumption of $8 \%$ annualized, over a full market/economic cycle of three to seven years. The relative investment objective of the Plan is to exceed the rate of return that would have been achieved by a statically allocated and passively managed portfolio, at the same risk, in accordance with a long-term asset allocation strategy of the following approximate percentages: equity $55.5 \%$, fixed income $23.5 \%$, real estate $8 \%$, alternative investments $8 \%$, and absolute return 5\%. At December 31, 2010, the Plan's deposit and investment balances were as follows:

|  | Fair Value |  |
| :---: | :---: | :---: |
| U.S. Treasury securities | \$ | 182,374,537 |
| U.S. agency securities |  | 27,268,077 |
| Corporate and mortgage bonds |  | 221,461,958 |
| Domestic stocks |  | 604,920,362 |
| International stocks |  | 400,486,572 |
| Real estate |  | 123,767,651 |
| Alternative Investments |  | 170,639,659 |
| Absolute return |  | 30,267,305 |
| Cash and short-term investments |  | 40,188,022 |
| Total | \$ | 1,801,374,143 |

A portion of the Plan's assets are exposed to risks, including credit risk, concentration of credit risk, custodial credit risk, interest rate risk and foreign currency risk, that have the potential to result in losses.

## Credit Risk

To mitigate the risk that issuers or other counterparties to an investment will not fulfill their obligations, the Plan's investment policy specifically states that the fixed income investment managers, excluding the Plan's high yield manager, invest only in securities that are rated at BBB- or higher by one of the three established rating agencies. The Plan's high yield investment manager is permitted to invest in securities rated CCC- or above. The high yield manager is also permitted to invest $5 \%$ of its portfolio temporarily in bonds rated below CCC-. Securities explicitly guaranteed by the U.S. Government are not included. The following table provides information regarding Standard \& Poor's (S\&P) and Moody's credit ratings associated with the Plan's investment in debt securities as of December 31, 2010:

| S\&P | Moody's | Asset <br> Backed |  | Corporate <br> Bonds |  | Government Bonds |  | Mortgage <br> Bonds |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AAA | Aaa | \$ | 812,831 | \$ | 9,602,403 | \$ | 31,066,793 | \$ | 4,837,155 | \$ | 46,319,182 |
| AAA | NR |  | 221,825 |  | - |  | - |  | 939,347 |  | 1,161,172 |
| $A A+$ to $A A-$ | A1 to Aa3 |  | - |  | 16,655,676 |  | - |  | - |  | 16,655,676 |
| A+ to A - | A1 to Baa2 |  | - |  | 39,437,558 |  | - |  | - |  | 39,437,558 |
| $\mathrm{BBB}+$ to BBB- | A3 to Baa3 |  | - |  | 10,753,059 |  | - |  | - |  | 10,753,059 |
| $B B+$ to $B B-$ | B 1 to Ba3 |  | 486,660 |  | 26,813,759 |  | - |  | - |  | 27,300,419 |
| $\mathrm{B}+$ to B - | B1 to Caa1 |  | 196,316 |  | 71,800,273 |  | - |  | 194,375 |  | 72,190,964 |
| CCC + to CCC | B3 |  | - |  | 6,409,638 |  | - |  | - |  | 6,409,638 |
| NR | Aaa to Baa2 |  | 176,590 |  | 661,550 |  | - |  | 396,150 |  | 1,234,290 |
|  |  |  | 1,894,222 | \$ | 182,133,916 | \$ | 31,066,793 | \$ | 6,367,027 | \$ | 221,461,958 |

NR - no rating available.

## Notes to Financial Statements

## Note 7 DEPOSITS AND INVESTMENTS (continued)

## Concentration of Credit Risk

The Plan's investment policy mandates that no managed account may invest more than $5 \%$ of managed assets in the securities of a single issuer. As of December 31, 2010, the Plan was in compliance with this policy.

## Custodial Credit Risk

In the event of a failure of a financial institution or counterparty, custodial credit risk is the risk that the Plan would not be able to recover its deposits, investments or collateral securities in the possession of an outside party. The Plan has no formal policy for custodial credit risk for deposits and investments. At December 31, 2010, the Plan did not have any deposits, investments or collateral securities subject to custodial credit risk.

## Interest Rate Risk

Interest rate risk is the risk that changes in financial market rates of interest will adversely affect the value of an investment. As a means of limiting the Plan's exposure to fair value losses due to rising interest rates, the Plan's Investment Manual provides for the use of duration as the primary measure of interest rate risk within some of the fixed income investments: intermediate - three to six years, and high yield - between (+) or (-) $10 \%$ of the duration of the Merrill Lynch High Yield Cash Pay Index. The Plan manages interest rate risk through the constraints on duration specified in each manager's investment guidelines included in the Plan's Investment Manual. At December 31, 2010, the Plan's fixed income investments had the following maturities by investment type:

| Investment Type | Fair Value |  | Less than 1 |  |  |  | 6-10 Years |  | More than 10 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Year |  | 1-5 Years |  |  |  | Years |
| U.S. Treasury securities | \$ | 182,374,537 | \$ | 1,287,261 | \$ | 90,658,985 | \$ | 59,214,820 | \$ | 31,213,471 |
| U.S. agency securities |  | 27,268,077 |  | 268,231 |  | 14,135,742 |  | 8,046,912 |  | 4,817,192 |
| Asset backed |  | 1,894,222 |  |  |  | 1,407,562 |  |  |  | 486,660 |
| Corporate bonds |  | 182,133,916 |  | 1,119,011 |  | 76,020,892 |  | 81,006,780 |  | 23,987,233 |
| Government bonds |  | 31,066,793 |  | 4,910,925 |  | 15,143,653 |  | 7,420,151 |  | 3,592,064 |
| Mortgage backed |  | 6,367,027 |  | 2,598,375 |  | 644,908 |  | 561,754 |  | 2,561,990 |
| Total | \$ | 431,104,572 |  | 10,183,803 | \$ | 198,011,742 | \$ | 156,250,417 | \$ | 66,658,610 |

## Financial Section

## Notes to Financial Statements

## Note 7 DEPOSITS AND INVESTMENTS (continued)

## Foreign Currency Risk

Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of an investment or deposit. The Plan's investment policy allows $18 \%$ to $26 \%$ of total investments to be invested in international equities. The following positions represent the Plan's exposure to foreign currency risk as of December 31, 2010:

|  | Foreign Currency | U.S. Dollars |
| :---: | :---: | :---: |
| Equities: | Euro | \$ 106,680,036 |
|  | British Pound Sterling | 67,269,093 |
|  | Japanese Yen | 60,438,774 |
|  | Swiss Franc | 23,835,940 |
|  | Australian Dollar | 21,741,729 |
|  | Chinese Yuan | 11,770,374 |
|  | Hong Kong Dollar | 11,362,048 |
|  | Brazilian Real | 10,588,673 |
|  | Canadian Dollar | 9,628,576 |
|  | South Korea Won | 9,401,345 |
|  | Thai Baht | 8,919,504 |
|  | Swedish Krona | 8,707,703 |
|  | Singapore Dollar | 7,463,270 |
|  | Norwegian Krone | 5,030,458 |
|  | Indian Rupee | 5,003,635 |
|  | South Africa Rand | 4,496,877 |
|  | Mexican Peso | 3,839,211 |
|  | Danish Krone | 3,457,957 |
|  | Israeli New Shekel | 2,159,348 |
|  | Turkish Lira | 1,686,009 |
|  | Russia Ruble | 1,344,111 |
|  | Polish Zloty | 1,284,786 |
|  | Malaysia Ringgit | 1,271,122 |
|  | Indonesian Rupiah | 1,084,394 |
|  | Hungarian Forint | 621,973 |
|  | Bermuda Dollar | 601,320 |
|  | New Zealand Dollar | 439,689 |
|  | Egyptian Pound | 355,823 |
|  | Czech Republic Koruna | 333,218 |
|  | Pakistani Rupee | 132,513 |
|  | Cayman Islands Dollar | 6,031 |
|  |  | 390,955,540 |
| Cash: | Euro | 37,727 |
|  | British Pound Sterling | 22,226 |
|  | Canadian Dollar | 4,541 |
|  |  | 64,494 |
| Total |  | \$ 391,020,034 |

## Notes to Financial Statements

## Note 8 SECURITIES LENDING TRANSACTIONS

Board policy permits the Plan to participate in a securities lending program to augment income. The program is administered by the Plan's custodial agent bank, which lends certain securities for a predetermined period of time, to an independent broker/dealer (borrower) in exchange for collateral. Collateral may be cash, U.S. government securities, defined letters of credit, or other collateral approved by the Plan. Loans of domestic securities are initially collateralized at $102 \%$ of the fair value of securities lent. Loans of international securities are initially collateralized at $105 \%$ of the fair value of securities lent. The custodial agent bank determines daily that required collateral meets a minimum of $100 \%$ of the market value of securities on loan for domestic securities lent and $105 \%$ for international securities lent. The Plan continues to receive interest and dividends during the loan period as well as a fee from the borrower. There are no restrictions on the amount of securities that can be lent at one time. The duration of securities lending loans generally matches the maturation of the investments made with cash collateral. At December 31, 2010, the fair value of underlying securities lent was $\$ 171,625,910$. The fair value of associated collateral was $\$ 170,036,901$; of this amount, $\$ 145,903,959$ represents the fair value of cash collateral and $\$ 24,132,942$ is the fair value of noncash collateral. The Plan does not have the ability to pledge or sell noncash collateral unless the borrower defaults, therefore it is not reported on the financial statements.

During 2008, the value of certain securities for which cash collateral had been invested in became impaired because of the credit failure of the issuer. Accordingly, the carrying amount of the collateral reported is reduced by a total of $\$ 5,676,529$ to reflect the impairment and the net realizable value of the securities. Therefore, the Plan has credit risk exposure since the value of collateral of the specified securities held does not exceed the value of the securities lent.

The Plan reports securities loaned as assets on the Statement of Plan Net Assets. Cash received as collateral on securities lending transactions and investments made with that cash are recorded as an asset and liability. Investments purchased with cash collateral are recorded as Securities Lending Collateral with a corresponding liability as Securities Lending Obligations.

## Note 9 CAPITAL ASSETS

The Plan's capital assets' activity for the year ended December 31, 2010, was as follows:

|  | January 1 |  | Additions |  | Deletions |  | December 31 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Capital assets, not being depreciated |  |  |  |  |  |  |  |  |
| Land | \$ | 430,041 | \$ | - | \$ | - | \$ | 430,041 |
| Construction in progress |  | 1,901,811 |  | 1,159,502 |  | - |  | 3,061,313 |
| Capital assets, being depreciated |  |  |  |  |  |  |  |  |
| Building |  | 1,136,013 |  | - |  | - |  | 1,136,013 |
| Furniture and equipment |  | 685,402 |  | 18,129 |  | $(6,566)$ |  | 696,965 |
| Total capital assets, being depreciated |  | 1,821,415 |  | 18,129 |  | $(6,566)$ |  | 1,832,978 |
| Accumulated depreciation |  |  |  |  |  |  |  |  |
| Building |  | $(685,753)$ |  | $(37,522)$ |  | - |  | $(723,275)$ |
| Furniture and equipment |  | $(622,258)$ |  | $(13,423)$ |  | 6,146 |  | $(629,535)$ |
| Total accumulated depreciation |  | $(1,308,011)$ |  | $(50,945)$ |  | 6,146 |  | $(1,352,810)$ |
| Total capital assets being depreciated, net |  | 513,404 |  | $(32,816)$ |  | (420) |  | 480,168 |
| Capital assets, net | \$ | 2,845,256 | \$ | 1,126,686 | \$ | (420) | \$ | 3,971,522 |

## Notes to Financial Statements

## Note 9 CAPITAL ASSETS (continued)

Construction in progress at December 31,2010, is comprised of a replacement computer system for benefits administration. The 2010 depreciation expense for the pension and health benefit accounts was $\$ 48,778$ and $\$ 2,167$, respectively.

## Note 10 COMMITMENTS AND CONTINGENCIES

As of December 31, 2010, the Plan had commitments for the future purchase of investments in real estate of $\$ 29,543,217$, and alternative investments of $\$ 120,772,483$. The purpose of such commitments is to assist the Plan in maintaining the designed level of exposure to these asset classes. The anticipated pace of funding the commitments coincides with the expected distribution rate of invested assets.

## Note 11 OTHER POSTEMPLOYMENT BENEFIT PLAN

Employees of the Plan, along with a portion of the employees of DHHA (those employed prior to 2001 who have elected to remain members of the Plan) and a majority of the employees of the City (certain fire and police personnel are excluded), are participants in the City's health care plan. For active employees participating in the City's health care plan, the employers pay a certain percentage of monthly premiums and the employees pay the remainder of the premium. Vested retired employees participating in the City's health care plan pay $100 \%$ of the premium and are eligible for an insurance premium reduction payment from the Plan, see Note 1. In establishing premiums, the active and retired employees from the three employers are grouped together without ageadjustment or differentiation between employers. The premiums are the same for both active and retired employees.
Under GASB 45, Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions (GASB 45), an other postemployment benefit plan (OPEB) results when there is an exchange of salaries and benefits for employee services and it is a part of the compensation that employers offer for services received. As the premiums are the same for both active and retired employees participating in the City's health care plan, the active employees are subsidizing the premiums for retired employees. Under GASB 45, this subsidy to the retired employees is considered an implicit rate subsidy, and is considered an OPEB.

Because the implicit rate subsidy OPEB is considered a cost-sharing multiple-employer plan, and because it is administered as an equivalent arrangement, or fully-insured plan as contemplated in GASB 45, an actuarially determined obligation for the OPEB would not be reflected as a liability in the financial statements of the participating employers. The expense related to the implicit rate subsidy OPEB represents the contractually required contributions under the cost-sharing multiple-employer plan. An actuarial valuation on the implicit rate subsidy OPEB is expected to be completed for future years.

## Financial Section

Required Supplementary Information

Schedule of Funding Progress

Pension Benefits

| Actuarial Valuation Date | Actuarial Value of Assets (a) | Actuarial <br> Accrued <br> Liability (AAL) <br> - Projected <br> Unit Credit (b) | Unfunded AAL (Funding Excess) (b-a) | Funded <br> Ratio (a/b) | Covered <br> Payroll (c) | Unfunded AAL (Funding Excess) as a Percentage of Covered Payroll (b-a)/(c) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1/1/05 | 1,651,090,641 | 1,665,540,822 | 14,450,181 | 99.1\% | 495,174,860 | 2.9\% |
| 1/1/06 | 1,735,208,838 | 1,782,504,943 | 47,296,105 | 97.3 | 495,285,185 | 9.5 |
| 1/1/07 | 1,837,476,077 | 1,862,772,866 | 25,296,789 | 98.6 | 499,462,875 | 5.1 |
| 1/1/08 | 1,950,010,815 | 1,985,651,482 | 35,640,667 | 98.2 | 545,835,393 | 6.5 |
| 1/1/09 | 1,924,991,121 | 2,095,887,096 | 170,895,975 | 91.8 | 564,986,660 | 30.2 |
| 1/1/10 | 1,923,560,713 | 2,176,242,736 | 252,682,023 | 88.4 | 506,045,186 | 49.9 |

Health Benefits

|  |  | Actuarial <br> Accrued |  |  | Unfunded AAL <br> as a Percentage <br> of Covered |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Valuation <br> Date | Actuarial Value <br> of Assets (a) | Liability (AAL) <br> - Projected <br> Unit Credit (b) | Unfunded AAL <br> (b-a) | Funded <br> Ratio (a/b) | Covered <br> Payroll (c) |
| $1 / 1 / 05$ | $88,527,589$ | $116,567,764$ | $28,040,175$ | $75.9 \%$ | $495,174,860$ |
| $1 / 1 / 06$ | $90,227,891$ | $123,775,074$ | $33,547,183$ | 72.9 | $495,285,185$ |
| $1 / 1 / 07$ | $93,089,297$ | $127,133,068$ | $34,043,771$ | 73.2 | $499,462,875$ |
| $1 / 1 / 08$ | $96,457,419$ | $128,607,079$ | $32,149,660$ | 75.0 | $545,835,393$ |

## Financial Section

## Required Supplementary Information

## Schedule of Employer Contributions

Pension Benefits

| Year beginning January 1 | Annual actuarially required contribution (1) (4) (5) | Percentage contributed ${ }^{(5)}$ |
| :---: | :---: | :---: |
| $2005{ }^{(2)}$ | \$38,039,016 | 98.2\% |
| 2006 | 42,277,066 | 89.4 |
| 2007 | 39,623,830 | 100.0 |
| 2008 | 41,699,683 | 100.0 |
| 2009 | 54,392,610 | 79.3 |
| $2010{ }^{(3)}$ | 48,995,846 | 86.2 |
| Health Benefits |  |  |
|  | Annual |  |
| Year beginning | actuarially required | Percentage |
| January 1 | contribution ${ }^{(1)(4)(5)}$ | contributed ${ }^{(5)}$ |
| $2005{ }^{(2)}$ | \$3,032,638 | 100.0\% |
| 2006 | 4,081,627 | 99.9 |
| 2007 | 3,929,333 | 100.0 |
| 2008 | 4,532,574 | 93.9 |
| 2009 | 5,156,984 | 88.3 |
| $2010{ }^{(3)}$ | 4,290,712 | 68.2 |

(1) Employers made contributions based on the legally required rates.
(2) Beginning on January 1, 2005, the employers and employees contributed $8.50 \%$ and $2.50 \%$, respectively.
(3) Beginning on January 1, 2010, the employers and employees contributed $8.50 \%$ and $4.50 \%$, respectively.
(4) Excludes DHHA supplemental.
(5) Years 2005-2009 have been revised from previously reported amounts to reflect employer-only amounts.

## Supporting Schedules

## Schedule of Administrative Expenses Year ended December 31, 2010

| Personnel services: |  |
| :---: | :---: |
| Salaries | \$ 1,365,136 |
| Employee benefits | 457,072 |
| Total personnel services | 1,822,208 |
| Professional services: |  |
| Actuarial | 98,033 |
| Legal | 31,806 |
| Retirement board | 75,417 |
| Audit | 73,500 |
| Medical examination | 1,150 |
| Consultation | 26,968 |
| Total professional services | 306,874 |
| Office operations: |  |
| Plan insurance | 56,434 |
| Postage | 67,539 |
| Office forms and printing | 17,881 |
| Office equipment | 38,429 |
| Employee travel and conferences | 16,421 |
| Telephone | 10,273 |
| Membership education | 3,242 |
| Miscellaneous operating | 3,237 |
| Personnel services | 1,573 |
| Employee education | 25,969 |
| Office supplies | 9,313 |
| Publications | 8,369 |
| Automobile | 2,802 |
| Total office operations | 261,482 |
| Computer operations: |  |
| Maintenance | 22,946 |
| Computer and software leasing | 24,426 |
| Supplies | 361 |
| Other expenses | 7,759 |
| Total computer operations | 55,492 |
| Miscellaneous administrative expenses: |  |
| Building operations | 174,039 |
| Depreciation expense | 50,944 |
| Total miscellaneous administrative expenses | 224,983 |
| Total | \$ 2,671,039 |

## Supporting Schedules

Schedule of Investment Expenses
Year ended December 31, 2010

| Domestic equity portfolio management | $\$ 1,846,565$ |
| :--- | ---: |
| Real estate portfolio management | $1,571,506$ |
| Fixed income portfolio management | 614,833 |
| International equity portfolio management | $1,524,528$ |
| Alternative investment portfolio management | 939,126 |
| Other investment related expenses | 661,770 |
| Custody | 110,000 |
| Total | $\underline{\$ 7,268,328}$ |
|  |  |

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## Investment Section

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Summit Strategies Group

April 12, 2011
Steven E. Hutt
Executive Director
Denver Employees Retirement Plan
777 Pearl Street
Denver, Colorado 80203

Dear Mr. Hutt:
This letter reviews the performance for the Denver Employees Retirement Plan (DERP) through December 31, 2010.

The DERP investment portfolio returned $14.74 \%$ gross of fees for the fiscal year ending December 31, 2010. Performance exceeded DERP's strategic policy benchmark target return of $14.47 \%$ and the $12.75 \%$ median return of the BNY Mellon Public Fund Universe. In fact, DERP's performance in 2010 ranked in the $18^{\text {th }}$ percentile of the universe, outperforming $82 \%$ of other public funds. Primary contributors to the excellent performance in 2010 were small cap domestic equities which earned $29.88 \%$, emerging international markets which earned $28.91 \%$, small cap international stocks with annual returns of $18.10 \%$, energy infrastructure limited partnerships with returns of $20.03 \%$, and the Real Estate portfolio which was up $19.17 \%$. Three of these five contributors were new to the portfolio in 2010 (emerging markets, small cap international, and energy infrastructure).

2010 marked the second consecutive year of double-digit, positive returns for the DERP portfolio; however, the market downturn of 2008 still had a very significant negative impact on trailing period returns. Over the trailing 3 years ended $12 / 31 / 10$, DERP achieved an annualized return of $-0.61 \%$. The trailing 5 -year return is better and now stands at $4.53 \%$. The $6.32 \%$ return over the last 7 years is better still, while DERP's trailing 10-year annualized return is $4.86 \%$, reflecting the lasting impact of the market downturn of 2001-2002.

It is DERP's goal to seek appropriate returns by the prudent investment of assets. Such investment activities are in accordance with applicable law, modern portfolio theory, and prevailing industry practice, and seek to minimize risk while generating the growth that will assist in paying promised benefits to members and beneficiaries. A study of assets and liabilities is conducted periodically to ensure the mix of investments remains appropriate, and adjustments to the portfolio are made when changes in plan circumstances and/or current capital markets conditions dictate. It is the responsibility of the Retirement Board, with the assistance of Summit Strategies and DERP internal investment staff, to approve a target asset allocation policy, which reflects an appropriate balance between risk and return. A comprehensive study of assets and liabilities was conducted by Summit Strategies in 2009, and annual asset allocation targets are established in March of each year.

The target asset allocation at year-end was comprised of the following indices in the percentages as indicated: Russell 1000 (27\%), Russell 2000 ( $6 \%$ ), MSCI EAFE ( $15 \%$ ), MSCI EAFE Small Cap (4\%), MSCI

Steven E. Hutt
April 12, 2011
Page 2
Emerging Markets (3.5\%), Barclays Capital Aggregate Bond (22\%), Barclays Capital Ba to B US High Yield (5\%), Barclays Capital US TIPS (1.5\%), NCREIF Fund Index - Open End Diversified Core Equity (8\%); and Alternative Investments (8\%).

The last 10 years have seen the bursting of 2 bubbles - the Internet bubble in 2000 and the Real Estate bubble in 2008. The subsequent recoveries of 2003-2006 and 2009-2010, while impressive, have not been large enough to undo all of the damage inflicted by these down-turns. As a result, the investment results for the past 10 years did not achieve the fund's actuarial assumption for long-term investment results. The positive, if there is one after a decade like the 2000's, is that expected returns are higher looking forward as investors expect to be rewarded for taking risk.

This does not mean that it will be smooth sailing from here, but it does mean a base for future growth should be established. The long-term results are positive and the hard work of the Board and staff over the past few years positioned the fund to prudently safeguard the assets in a difficult environment. We believe that the fund is in a good position to capture consistent, quality results in the years to come.

Sincerely,


Mark A. Caplinger, CFA
Senior Vice President

Mission Statement

The Denver Employees Retirement Plan (the Plan) was established on January 1, 1963, as a defined benefit pension plan. The Plan Board assumes full and absolute responsibility for establishing, implementing, and monitoring adherence to the pension fund policy. The mission of any fiduciary acting with regard to the management, investment, receipt, or expenditure of the trust assets is to act solely in the interest of the members and their beneficiaries, and to:
(a) Provide benefits to participants and their beneficiaries;
(b) Pay reasonable expenses associated with the administration of the plan;
(c) Invest with the care, skill, prudence and diligence under the circumstances then prevailing that a prudent investor acting in a like capacity and familiar with these matters would use in the conduct of an enterprise of a like character with like aims; and
(d) Diversify the investments so as to minimize the risk of loss and to maximize rate of return.

## Investment Responsibilities

The Plan Board is responsible for formulating investment strategies, allocation of assets, and contracting with investment management firms. To assist the Plan Board in overseeing these responsibilities, on February 8, 1989, they formally adopted a written investment manual. The investment manual includes a Statement of Investment Policy and Guidelines, establishes an asset allocation plan, and incorporates individual investment manager guidelines. Changes to the investment manual are formally adopted by the Plan Board.

The investment managers are each responsible for implementing investment strategies in accordance with the stated investment policies, guidelines, and objectives of the Plan. Each manager is responsible for optimizing investment return within their guideline constraints and in the sole interest of the Plan's members and beneficiaries. The Board has directed all investment managers to vote proxies, to vote them with vigor, to vote in the interest of the Plan's members and beneficiaries, and to report annually as to how proxies were voted.

## Investment Objectives

As outlined in the Investment Manual, the investment objectives include:
(a) Providing a net realized real rate of return meeting or exceeding the actuarial assumption of eight percent, annualized, over a full market/economic cycle of three to seven years;
(b) Maintaining an efficient portfolio determined by the risk and return concepts of Modern Portfolio Theory; and
(c) Exceeding the rate of return of that achieved by a passively managed portfolio weighted in the same proportion and at the same risk.

## Asset Allocation Target

The Plan Board recognizes that strict adherence to an asset allocation plan has the greatest impact on long-term performance results and is, therefore, the most important decision in the investment process. The risk return profile is maintained by identifying a long-term target strategic asset allocation. Temporary deviations from the targets are held within ranges.

The first formal asset allocation plan was adopted by the Plan Board on April 7, 1989. There have been subsequent asset allocation plans adopted with the most recent being on March 17, 2010. The Plan's investment advisors assisted the Plan Board in developing the latest asset allocation.

The asset allocation strategy as of December 31, 2010 is depicted in the chart below:

|  | Real Estate <br> (target 8\%) <br> Alternative Investments <br> (target 8\%) 6\%-10\%) | Absolute Return <br> (target 5\%) <br> (range 0\%-7\%) |
| :--- | :--- | :--- |
| (range 4.5\%-10\%) |  |  |

Investment Grade Fixed Income

International Equity
(target 22.5\%)
(range 18\%-26\%)


## Total Domestic Equity

(target 33\%)
(range 28\%-38\%)

At target, a portfolio so allocated would be expected to achieve an $8.00 \%$ return with a standard deviation (risk) of $12.50 \%$.

## Asset Allocation by Asset Class

The total market value of the Plan on December 31, 2010, was $\$ 1,802,143,029$ including cash and investments of $\$ 1,801,374,143$. At December 31, 2010, the Plan's investment assets were allocated as shown in the following chart:


Domestic Equity
33.6\%
\$604,920,362

## Asset Target Allocation by Managed Account

A list of investment managers appears in the introductory section of this report. The Plan's Investment Manual identifies the target allocation by managed account and asset style group as follows:

|  | Target |  | Target |
| :---: | :---: | :---: | :---: |
| Managed Account | Allocation | Asset Style Group | Allocation Range |
| Cadence Capital Management | 4.5\% | Large Cap Equity (Growth) | 4.0\% to 6.0\% |
| Northern Trust Global Investments | 9.0\% | S\&P 500 Index | 7.0\% to 11.0\% |
| Northern Trust Global Investments | 9.0\% | Large Cap Equity (Value) | 7.0\% to 11.0\% |
| Sit Investment Associates, Inc. | 4.5\% | Large Cap Equity (Growth) | 4.0\% to 6.0\% |
| Franklin Global Advisors | 1.5\% | Small Cap Equity (Growth) | 1.0\% to 2.5\% |
| NorthPointe Capital | 1.5\% | Small Cap Equity (Growth) | 1.0\% to 2.5\% |
| Neuberger Berman, LLC | 3.0\% | Small Cap Equity (Value) | 2.25\% to 5.25\% |
| Northern Trust Global Investments | 5.0\% | EAFE Index | 4.0\% to 7.0\% |
| Templeton Investment Counsel, LLC | 5.0\% | Intl. Equity (Value) | 4.0\% to 7.0\% |
| Pyramis Global Advisors | 5.0\% | Intl. Equity (Growth) | 4.0\% to 7.0\% |
| Dimensional Fund Advisors | 4.0\% | Intl. Equity (Small Cap) | 2.0\% to 5.0\% |
| LSV Asset Management | 3.5\% | Intl. Equity (Emerging Markets) | 1.5\% to 4.5\% |
| Plan Staff | 5.0\% | Fixed Income Government | 4.5\% to 7.0\% |
| Seix Investment Advisors, Inc. | 5.0\% | Fixed Income High Yield | 4.0\% to 7.0\% |
| Smith Graham \& Company | 1.5\% | Fixed Income Gov't./Credit | 1.0\% to 2.5\% |
| Northern Trust Global Investments | 12.0\% | Barclays Aggregate | 11.0\% to 14.0\% |
| Prisma Capital Partners | 5.0\% | Absolute Return | 0.0\% to 7.0\% |
| Real Estate | 8.0\% | Real Estate | 6.0\% to 10.0\% |
| Alternative Investments | 8.0\% | Energy, Timber, MLP, and Private Equity | 4.5\% to 10.0\% |

The Plan staff actively monitors each investment manager for compliance with guidelines. There is no allocation to cash. Each manager is asked to prudently remain fully invested in their asset style group. All allocated but uninvested cash is commingled and actively managed by the Plan staff. Income is removed monthly from each actively managed domestic account and reallocated to underweighted accounts using the asset allocation targets established in the allocation plan. Investment manager, custodian, and consultant fees are aggressively negotiated and reviewed annually. The Plan participates in a commission recapture program with all proceeds deposited in the trust.

The top ten stock and bond holdings as of December 31, 2010, are shown in the following tables:
Top Ten Stock Holdings
December 312010

|  |  |  |
| ---: | :--- | ---: |
| Shares | Stocks | Market Value |
| 18,550 | Apple Computers, Inc. | $\$ 5,983,488$ |
| 6,670 | Google, Inc. | $3,961,780$ |
| 110,530 | Oracle Corporation | $3,459,589$ |
| 21,670 | International Business Machines | $3,180,289$ |
| 62,240 | Qualcomm, Inc. | $3,080,258$ |
| 109,800 | Microsoft Corporation | $3,065,616$ |
| 28,990 | Occidental Petroleum Corporation | $2,843,919$ |
| 41,470 | Coca-Cola, Inc. | $2,727,482$ |
| 124,010 | Intel Corporation | $2,607,930$ |
| 31,170 | Schlumberger Corporation | $2,602,695$ |

Top Ten Bond Holdings
December 312010

| December 31 2010 |  |  |  |  |
| :--- | :--- | :---: | :--- | ---: | ---: |
| Par | Bonds |  |  | Market Value |
| $6,700,000$ | U.S. Treasury Bond | $8.125 \%$ | due 8/15/2019 | $\$ 9,334,440$ |
| $5,500,000$ | U.S. Treasury Bond | 7.500 | due 11/15/2016 | $7,068,765$ |
| $5,000,000$ | FNMA Bond | 2.625 | due 11/20/2014 | $5,190,100$ |
| $4,750,000$ | FHLMC Bond | 3.750 | due 3/27/2019 | $4,917,058$ |
| $3,000,000$ | U.S. Treasury Bond | Variable | due 1/15/2025 | $3,873,387$ |
| $3,560,000$ | U.S. Treasury Bond | 3.625 | due 2/15/2020 | $3,694,604$ |
| $3,250,000$ | FNMA Bond | 3.250 | due 4/9/2013 | $3,431,220$ |
| $3,050,000$ | U.S. Treasury Bond | Variable | due 1/15/2028 | $3,241,231$ |
| $3,000,000$ | U.S. Treasury Note | 3.875 | due 5/15/2018 | $3,227,820$ |
| $2,500,000$ | FNMA Bond | 6.625 | due 11/15/2030 | $3,154,425$ |

Complete listings of stock and bond holdings are available at the Plan's office.

## Investment Section

## Investment Performance

The Plan contracts with Summit Strategies Group to measure investment results on a quarterly basis. Returns are calculated using a time-weighted rate of return based on the market value of assets. Returns are reported gross of fees unless otherwise stated. The estimated annualized return from the inception of the Plan on January 1, 1963, to December 31, 2010, is $9.30 \%$. Annualized investment results compared with benchmarks for the year ending December 31, 2010, are as follows:

|  | Last Year | Last 3 Years | Last 5 Years |
| :---: | :---: | :---: | :---: |
| Domestic Equity | 17.52\% | -2.87\% | 2.81\% |
| Russell 3000 | 16.93 | -2.01 | 2.74 |
| International Equity | 12.17 | -5.36 | 4.49 |
| MSCI EAFE Index | 8.21 | -6.55 | 2.94 |
| Fixed Income | 8.29 | 6.73 | 6.31 |
| Barclays Capital Aggregate Index | 6.54 | 5.90 | 5.80 |
| Real Estate | 19.17 | -13.33 | -2.68 |
| NCREIF Index | 16.36 | -9.73 | -0.16 |
| Total Portfolio (net of fees) | 14.36 | -0.98 | 4.14 |
| Total Portfolio | 14.74 | -0.61 | 4.53 |
| Total Fund Policy Index | 14.47 | -0.31 | 4.29 |
| Change in Consumer Price Index (CPI-U) | 1.64 | 5.19 | 11.65 |

December 31, 2010

| BROKER | QUANTITY <br> (UNITS) | BROKER <br> COMMISSION | COMMISSION <br> PER/SHARE |
| :--- | ---: | ---: | ---: |
| BYN CONVERGEX | $1,760,846$ | $\$ 46,812$ | $\$ 0.027$ |
| LYNCH JONES | $1,718,949$ | 44,588 | 0.026 |
| LIQUIDNET | $1,320,540$ | 39,847 | 0.030 |
| CITATION GROUP | $1,535,067$ | 39,200 | 0.026 |
| CREDIT SUISSE | 494,757 | 16,976 | 0.034 |
| BARCLAYS | 525,163 | 15,083 | 0.029 |
| MERRILL LYNCH | 496,359 | 14,764 | 0.030 |
| OPPENHEIMER | 351,981 | 12,762 | 0.036 |
| STEPHENS INC. | 336,340 | 11,735 | 0.035 |
| JEFFERIES \& CO. | 322,348 | 11,599 | 0.036 |
| RBC CAPITAL MARKET | 233,656 | 10,517 | 0.045 |
| WILLIAM BLAIR | 291,560 | 10,321 | 0.035 |
| CITIGROUP | 252,061 | 9,113 | 0.036 |
| SCOTT \& STRINGFELLOW | 223,519 | 8,230 | 0.037 |
| ISI GROUP INC. | 252,170 | 8,043 | 0.032 |
| KNIGHT SECURITIES | 380,917 | 7,713 | 0.020 |
| NEEDHAM \& COMPANY | 235,725 | 7,643 | 0.032 |
| RAFFERITY CAPITAL | 191,589 | 7,631 | 0.040 |
| INSTINET | 216,591 | 7,585 | 0.035 |
| PIPER JAFFRAY | 190,674 | 6,731 | 0.035 |
| ROBERT BAIRD | 171,218 | 6,720 | 0.039 |
| KEYBANC CAPITAL | 176,639 | 6,493 | 0.037 |
| MORGAN STANLEY | 263,968 | 6,427 | 0.024 |
| BERNSTEIN | 274,610 | 6,301 | 0.023 |
| SIDOTI \& COMPANY | 178,199 | 6,013 | 0.034 |
| CANACCORD ADAMS | 158,926 | 5,723 | 0.036 |
| WEEDEN | 172,358 | 5,704 | 0.033 |
| CRAIG-HALLUM | 144,081 | 4,924 | 0.034 |
| GOLDMAN SACHS | 275,955 | 4,861 | 0.018 |
| PULSE TRADING | 245,540 | 4,707 | 0.019 |
| UBS SECURITIES | 113,106 | 4,400 | 0.039 |
| RAYMOND JAMES | 118,898 | 4,304 | 0.036 |
| BLOOMBERG TRADEBOOK | 281,957 | 4,230 | 0.015 |
| BEAR STEARNS | 108,645 | 4,077 | 0.038 |
| COLLINS STEWART | 109,561 | 4,044 | 0.037 |
| DA DAVIDSON | 117,834 | 4,000 | 0.034 |
| MACQUARIE SECURITIES | 109,960 | 3,805 | 0.035 |
| JONES TRADING | 128,424 | 3,719 | 0.029 |
| COWEN \& COMPANY | 111,350 | 3,694 | 0.033 |
| LAZARD FRERES | 89,719 | 3,414 | 0.038 |
| LONGBOW | 86,408 | 3,348 | 0.039 |
| THOMAS WEISEL | 77,283 | 3,060 | 0.040 |
| STIFEL NICOLAUS | 3,056 | 0.040 |  |
|  |  |  |  |

## Schedule of Investment Commissions (continued)

December 31, 2009

| BROKER | QUANTITY <br> (UNITS) | BROKER COMMISSION | COMMISSION PER/SHARE |
| :---: | :---: | :---: | :---: |
| ELECTRONIC SPEC | 109,866 | \$3,018 | \$0.027 |
| MORGAN KEEGAN | 81,960 | 2,972 | 0.036 |
| KING, CL | 87,416 | 2,814 | 0.032 |
| CANTOR FITZGER | 106,998 | 2,788 | 0.026 |
| JMP SECURITIES | 68,954 | 2,758 | 0.040 |
| US CLEARING INSTITUTE | 68,470 | 2,739 | 0.040 |
| BROAD COURT | 68,890 | 2,660 | 0.039 |
| MIDWOOD SECURITIES | 70,325 | 2,497 | 0.036 |
| SOLEIL SECURITIES | 66,523 | 2,368 | 0.036 |
| FIRST UNION CAPITAL | 76,601 | 2,352 | 0.031 |
| NOMURA | 80,971 | 2,342 | 0.029 |
| LEK SECURITIES | 63,217 | 2,329 | 0.037 |
| AVONDALE SECURITIES | 67,295 | 2,198 | 0.033 |
| BOENNING \& SCATTERGOOD | 61,640 | 2,168 | 0.035 |
| DEUTSCHE | 52,630 | 2,058 | 0.039 |
| ICAP CORPORATION | 176,983 | 2,126 | 0.012 |
| BAYPOINT TRADING | 54,973 | 1,980 | 0.036 |
| NATIONAL FINANCIAL | 80,592 | 1,900 | 0.024 |
| BANNOCKBURN | 47,320 | 1,891 | 0.040 |
| NORTHLAND | 56,528 | 1,851 | 0.033 |
| JANNEY MONTGOMERY SCOTT | 52,410 | 1,814 | 0.035 |
| GLOBAL HUNTERS | 56,275 | 1,791 | 0.032 |
| SJ LEVINSON | 53,830 | 1,788 | 0.033 |
| LEERINK SWANN | 47,052 | 1,785 | 0.038 |
| SUNTRUST BANK | 46,373 | 1,758 | 0.038 |
| STATE STREET | 58,211 | 1,746 | 0.030 |
| FRIEDMAN BILLINGS | 48,151 | 1,717 | 0.036 |
| MERRIMAN CURHAN | 55,982 | 1,679 | 0.030 |
| KEEFE BRUYETTE | 38,898 | 1,556 | 0.040 |
| All other brokers (each at \$1,500 or less) | 621,308 | 22,777 | 0.037 |
| TOTAL | $\underline{\underline{17,548,826}}$ | \$530,137 | \$0.030 |

Total recaptured commissions for 2010 were $\$ 25,850$.

## Schedule of Investment Fees

December 31, 2010

## Externally Managed Portfolios

U.S. Equities:

Actively Managed :
Large Cap
Small Cap

Passively Managed

International Equities:
Actively Managed
Passively Managed

Fixed Income:
Actively Managed
Passively Managed
Real Estate:
Fees netted with earnings
Fees paid separately

Absolute Return:
Fees paid separately
Alternative Investments:
Fees netted with earnings
Fees paid separately

Assets Under
Management

## Fees

\$ 159,881,594
112,511,565
\$ 743,180 996,633
332,527,203 106,752

310,834,712
1,459,433
89,651,859
65,095

106,465,295
557,103
244,959,267
57,730

38,953,424
549,608
1,021,898
84,814,227

30,267,305

| $37,106,423$ |
| ---: |
| $133,532,236$ |
| $\$ 1,681,505,110$ |

## Other Investment Services

Custody Fees
Other investment related expenses (net of commission recapture)
$\$ 110,000$
661,770

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## Actuarial Section

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Gabriel Roeder Smith \& Company

June 3, 2011
Board of Trustees
Denver Employees Retirement Plan
777 Pearl St
Denver, CO 80203

## Re: Denver Employees Retirement Plan Actuarial Valuation as of January 1, 2010

Dear Board Members:
The results of the January 1, 2010 Annual Actuarial Valuation of the Denver Employees Retirement Plan (DERP) are presented in this report. The purpose of the valuation was to measure the Plan's funding progress and to determine the employer contribution rate, for the next fiscal year.

Regarding the contribution rate for the next fiscal year (2010), there is a significant increase in the Actuarially Required Contribution. This is due to the market events of 2008. The Actuarial Value of Assets decreased as the 2008 asset losses continue to be recognized, resulting in a significant increase in the Unfunded Actuarial Accrued Liability. The Total Computed Contribution Rate has risen from $13.04 \%$ for 2009 to $15.03 \%$ for 2010. The Total Contribution Amount has increased from $\$ 73.7 \mathrm{M}$ to $\$ 76.1 \mathrm{M}$, a $3.3 \%$ increase. Receiving this contribution is actuarially necessary to help improve and stabilize the funded status of the Pension and Retiree Medical Plans and strengthen their actuarial soundness.

The valuation was based upon information, furnished by DERP, concerning Plan benefits, financial transactions, active members, terminated members, retirees and beneficiaries. We checked for internal and year-to-year consistency, but did not otherwise audit the data.

The valuation results summarized in this report involve actuarial calculations that require assumptions about future events for the Pension Plan, Retiree Medical Plan, and Denver Health and Hospital Authority (DHHA). We believe that the assumptions and methods used in this report are reasonable and appropriate for the purpose for which they have been used. However, other assumptions and methods could also be reasonable and could result in materially different results. In addition, because it is not possible or practical to consider every possible contingency, we may use summary information, estimates or simplifications of calculations to facilitate the modeling of future events. We may also exclude factors or data that are deemed to be immaterial.

If there is other information that you need in order to make an informed decision regarding the matters discussed in this report, please contact us.

We certify that the information contained in this report is accurate and fairly presents the actuarial position of DERP as of the valuation date. All calculations have been made in conformity with generally accepted actuarial principles and practices, with the Actuarial Standards of Practice issued by the Actuarial Standards Board.

Board of Trustees
June 3, 2011
Page 2
The undersigned actuaries are independent of the plan sponsor and meet the Qualification Standards of the American Academy of Actuaries.

Respectfully submitted,


Leslie L. Thompson, FSA, FCA, EA, MAAA Senior Consultant


Diane L. Hunt, FSA, FCA, EA, MAAA Consultant

## Valuation Methods

Actuarial Cost Method - The Projected Unit Credit (PUC) Cost Method was used in the valuation.

The Projected Unit Credit Cost Method develops a normal cost and an accrued liability based on the benefit accrued as of the valuation date.

The normal cost is the value of the benefit that accrued during the year. The benefit accrued during the year is the retirement benefit based on pay projected to a member's retirement date, based on service accrued as of the valuation date.

The accrued liability could be viewed as the sum of all past normal costs. Thus, the accrued liability grows in proportion to the growth in the projected-pay accrued benefit.

Finally, for all funding methods, the present value of benefits is equal to the accrued liability plus the present value of future normal costs.

Financing of Unfunded Actuarial Accrued Liabilities - Unfunded Actuarial Accrued Liabilities (full funding credit if assets exceed liabilities) were amortized by level (principal \& interest combined) dollar contributions over a reasonable period of future years.

Deferred Retirement Option Plan (DROP) and DROP II - The DROPs are closed and no new members are assumed to enter either of the two DROPs. For members who were in DROP and remain employed upon their exit of the DROP program, their accrued liability is calculated as the value of their deferred benefit based on compensation and service earned before their DROP participation plus the value of their additional benefit earned based on compensation and service accrued after their DROP participation ended, as well as their accrued DROP balance. Further detail describing the DROPs can be found in the Plan Provisions section of this report.

Actuarial Value of Assets - The Actuarial Value of Assets recognizes 20\% of the difference between the projected actuarial value and the market value at the valuation date. Effective January 1, 2009, this value is no longer constrained to a range of $80 \%$ to $120 \%$ of the market value of assets as of the valuation date. This method has the effect of smoothing volatility in investment returns. Returns are measured net of all administrative and investment expenses.

## Denver Employees Retirement Plan

## Development of Amortization Payment

## Determination of UAAL Contribution Rate

The unfunded accrued liability as of January 1, 2010 is calculated as of the beginning of the fiscal year for which employer contributions are being calculated.
The unfunded accrued liability is amortized over the appropriate period to determine the amortization payment. This payment is divided by the projected fiscal year payroll to determine the amortization payment as a percentage of active member payroll.

## Valuation Assumptions

The actuarial assumptions used in the valuation are shown in this Section. Both the economic and decrement assumptions were established following the January 1, 2009 actuarial valuation.

## Changes to Actuarial Assumptions

There have been changes to the actuarial assumptions as of the valuation date for the retirement and termination rates for DHHA members.

Based on discussions with the Plan's staff and consistent with City budget constraints for 2010, the valuation assumes that there will be no pay increases in 2010. This assumption produced a gain of $\$ 23$ million in the retirement benefit plan. Departures from this assumption will cause a gain or loss in next year's valuation. A change in the retirement and termination assumptions for the DHHA members resulted in a decrease in liabilities of \$2,874,800.

## Economic Assumptions

The investment return rate assumed in the valuations is $8.00 \%$ per year, compounded annually (net of investment and administrative expenses).

The Wage Inflation Rate assumed in this valuation was $3.00 \%$ per year. The Wage Inflation Rate is defined to be the portion of total pay increases for an individual that are due to macroeconomic forces including productivity and labor market conditions. The wage inflation rate does not include pay changes related to individual merit and seniority effects.

The assumed real rate of return over wage inflation is defined to be the portion of total investment return that is more than the assumed total wage growth rate. Considering other economic assumptions, the $8.00 \%$ investment return rate translates to an assumed real rate of return over wage inflation of $5.00 \%$.

Pay increase assumptions for individual active members are shown for sample ages on the following page. Part of the assumption for each age is for merit and/or seniority increase, and the other $3.00 \%$ recognizes wage inflation, productivity increases, and other macroeconomic forces.

GRS

Denver Employees Retirement Plan
The rates of salary increase used for individual members are in accordance with the following table. This assumption is used to project a member's current salary to the salaries upon which benefits will be based.

| Sample <br> Ages | Merit and <br> Seniority | Base <br> (Economic)* | Increase for <br> the Year |
| :---: | :---: | :---: | :---: |
|  | $3.30 \%$ | $3.00 \%$ | $6.30 \%$ |
| 25 | $3.30 \%$ | $3.00 \%$ | $6.30 \%$ |
| 30 | $3.00 \%$ | $3.00 \%$ | $6.00 \%$ |
| 35 | $2.20 \%$ | $3.00 \%$ | $5.20 \%$ |
| 40 | $1.70 \%$ | $3.00 \%$ | $4.70 \%$ |
|  |  |  |  |
| 45 | $1.20 \%$ | $3.00 \%$ | $4.20 \%$ |
| 50 | $0.70 \%$ | $3.00 \%$ | $3.70 \%$ |
| 55 | $0.00 \%$ | $3.00 \%$ | $3.00 \%$ |
| 60 | $0.00 \%$ | $3.00 \%$ | $3.00 \%$ |
| 65 | $0.00 \%$ | $3.00 \%$ | $3.00 \%$ |

* Includes $3.00 \%$ for price inflation


## Demographic Assumptions

The post-employment and beneficiary mortality table was 100\% of the 1994 Group Annuity Mortality Table. This assumption is used to measure the probabilities of dying after leaving employment as a vested terminated member/retiree or beneficiary.

|  | \% Dying Within <br> Next Year <br> Non-Disabled |  |
| :---: | :---: | :---: |
|  | Men | Women |
|  | $0.26 \%$ | $0.14 \%$ |
| 55 | $0.44 \%$ | $0.23 \%$ |
| 60 | $0.80 \%$ | $0.44 \%$ |
| 65 | $1.45 \%$ | $0.86 \%$ |
|  |  |  |
| 70 | $2.37 \%$ | $1.37 \%$ |
| 75 | $3.72 \%$ | $2.27 \%$ |
| 80 | $6.20 \%$ | $3.94 \%$ |

Denver Employees Retirement Plan
The active mortality table was $65 \%$ of the 1994 Group Annuity Mortality Table. This assumption is used for active members to measure the probability of dying before retirement or termination of employment.

| Ages | \% Dying Within Next Year Non-Disabled |  |
| :---: | :---: | :---: |
|  | Men | Women |
| 20 | 0.03\% | 0.02\% |
| 25 | 0.04\% | 0.02\% |
| 30 | 0.05\% | 0.02\% |
| 35 | 0.06\% | 0.03\% |
| 40 | 0.07\% | 0.05\% |
| 45 | 0.10\% | 0.06\% |
| 50 | 0.17\% | 0.09\% |

The disabled mortality table for disabled retirees, the probabilities of dying at sample attained ages were as follows:

| Ages | \% Dying Within Next Year Disabled |  |
| :---: | :---: | :---: |
|  | Men | Women |
| 50 | 3.16\% | 3.16\% |
| 55 | 3.78\% | 3.78\% |
| 60 | 4.25\% | 4.25\% |
| 65 | 5.12\% | 5.12\% |
| 70 | 6.75\% | 6.75\% |
| 75 | 8.28\% | 8.28\% |
| 80 | 10.77\% | 10.77\% |

Denver Employees Retirement Plan
The rates of retirement used to measure the probability of eligible members retiring during the next year were as follows:

| Non Hospital |  |  | Hospital |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Ages | Percent of Eligible Active Members <br> Retiring Within Next Year |  | Ages | Percent of Eligible Active Members <br> Retiring Within Next Year |  |
|  | Early Retirement | Normal Retirement |  | Early <br> Retirement | Normal Retirement |
| 55 | 2.50\% | N/A | 55 | 2.50\% | N/A |
| 56 | 3.00\% | N/A | 56 | 3.00\% | N/A |
| 57 | 3.50\% | N/A | 57 | 3.50\% | N/A |
| 58 | 4.00\% | N/A | 58 | 4.00\% | N/A |
| 59 | 4.50\% | N/A | 59 | 4.50\% | N/A |
| 60 | 5.00\% | N/A | 60 | 5.00\% | N/A |
| 61 | 7.50\% | N/A | 61 | 7.50\% | N/A |
| 62 | 10.00\% | N/A | 62 | 10.00\% | N/A |
| 63 | 12.50\% | N/A | 63 | 12.50\% | N/A |
| 64 | 12.50\% | N/A | 64 | 12.50\% | N/A |
| 65 | N/A | 20.00\% | 65 | N/A | 20.00\% |
| 66 | N/A | 15.00\% | 66 | N/A | 15.00\% |
| 67 | N/A | 15.00\% | 67 | N/A | 15.00\% |
| 68 | N/A | 15.00\% | 68 | N/A | 15.00\% |
| 69 | N/A | 15.00\% | 69 | N/A | 15.00\% |
| 70 | N/A | 100.00\% | 70 | N/A | 15.00\% |
|  |  |  | 71 | N/A | 15.00\% |
|  |  |  | 72 | N/A | 15.00\% |
|  |  |  | 73 | N/A | 15.00\% |
|  |  |  | 74 | N/A | 15.00\% |
|  |  |  | 75 | N/A | 100.00\% |


|  | Percent of Eligible Active <br> Members Retiring <br> Within Next Year |
| :---: | :---: |
| Ages | Rule of 75 Retirement |
| NAR* $^{*}$ | $20.00 \%$ |
| NAR +1 | $10.00 \%$ |
| NAR+2 | $10.00 \%$ |
| NAR+3 | $10.00 \%$ |
| NAR+4 | $10.00 \%$ |
| NAR +5 | $10.00 \%$ |
| NAR +6 | $10.00 \%$ |
| NAR+7 | $10.00 \%$ |
| NAR +8 | $40.00 \%$ |
| NAR+9 | $40.00 \%$ |
| NAR +10 | $40.00 \%$ |

*NAR, Normal Age at Retirement, is defined as the first age at which a member is eligible to retire under the Rule of 75 (Refer to Section G). Rates continue at $40.00 \%$ until member reaches age 70 for Non-Hospital employees and age 75 for Hospital employees, then retirement rate assumption is $100.00 \%$ thereafter.

Rates of separation from active membership are shown below (rates do not apply to members eligible to retire and do not include separation on account of death or disability).

| Non Hospital |  |  |
| :---: | :---: | :---: |
|  | Select Period |  |
| Years of | \% of Active Members <br> Separating Within <br> Next Year |  |
| Service | Men | Women |
| 1 | $17.75 \%$ | $20.89 \%$ |
| 2 | $15.26 \%$ | $18.01 \%$ |
| 3 | $13.12 \%$ | $15.53 \%$ |
| 4 | $11.28 \%$ | $13.39 \%$ |
|  |  |  |
| 5 | $9.70 \%$ | $11.55 \%$ |
| 6 | $8.34 \%$ | $9.96 \%$ |
| 7 | $7.17 \%$ | $8.59 \%$ |
| 8 | $6.17 \%$ | $7.41 \%$ |
| 9 | $5.30 \%$ | $6.39 \%$ |

## GRS

Denver Employees Retirement Plan

| Non Hospital |  |  |
| :---: | :---: | :---: |
| Ages | Ultimate Rates |  |
|  | \% of Active Members <br> Separating Within <br> Next Year* |  |
|  | $13.89 \%$ | $14.26 \%$ |
|  | $10.33 \%$ | $11.75 \%$ |
| 35 | $7.69 \%$ | $9.30 \%$ |
| 40 | $5.67 \%$ | $7.17 \%$ |
|  |  |  |
| 45 | $4.07 \%$ | $5.35 \%$ |
| 50 | $2.78 \%$ | $3.81 \%$ |
| 55 | $1.72 \%$ | $2.49 \%$ |
| 60 | $0.83 \%$ | $1.37 \%$ |
| 64 | $0.22 \%$ | $0.58 \%$ |

*Members with 10 or more years of service

|  |  |  |
| :---: | :---: | :---: |
|  | Hospital <br> \% of Active Members <br> Separating Within <br> Next Year |  |
|  |  |  |
|  | $18.14 \%$ | $17.51 \%$ |
| 30 | $14.84 \%$ | $15.41 \%$ |
| 35 | $12.92 \%$ | $11.61 \%$ |
| 40 | $10.42 \%$ | $8.40 \%$ |
|  |  |  |
| 45 | $7.97 \%$ | $5.60 \%$ |
| 50 | $4.40 \%$ | $5.60 \%$ |
| 55 | $1.10 \%$ | $5.60 \%$ |
| 60 | $1.10 \%$ | $5.60 \%$ |
| 64 | $1.10 \%$ | $5.60 \%$ |

For inactive members, the assumed age at retirement is age 65. If an inactive member is not vested, the liability valued is their employee contributions with interest.

Rates are not applied after the member is eligible for reduced or unreduced retirement benefits.

## Denver Employees Retirement Plan

Rates of disability among active members are shown below for selected ages ( $10 \%$ of the disabilities are assumed to be duty-related and $90 \%$ are assumed to be non-duty related):

| Ages | $\%$ Becoming Disabled <br> Within Next Year |  |
| :---: | :---: | :---: |
|  | Men | Women |
| 20 | $0.00 \%$ | $0.02 \%$ |
| 25 | $0.00 \%$ | $0.02 \%$ |
| 30 | $0.00 \%$ | $0.02 \%$ |
| 35 | $0.00 \%$ | $0.03 \%$ |
| 40 | $0.01 \%$ | $0.06 \%$ |
|  |  |  |
| 45 | $0.01 \%$ | $0.12 \%$ |
| 50 | $0.03 \%$ | $0.24 \%$ |
| 55 | $0.04 \%$ | $0.40 \%$ |
| 60 | $0.07 \%$ | $0.60 \%$ |
| 65 | $0.10 \%$ | $0.90 \%$ |

## Miscellaneous and Technical Assumptions

Administrative \& Investment The investment return assumption is intended to be the return net of

Benefit Service

COLA
Decrement Operation

Decrement Timing
Eligibility Testing

Incidence of Contributions
investment and administrative expenses.

Exact Fractional service is used to determine the amount of benefit payable.

None assumed.
All decrements other than withdrawal are in force during retirement eligibility.

Decrements of all types are assumed to occur mid-year.
Eligibility for benefits is determined based upon the age nearest birthday and service nearest whole year on the date the decrement is assumed to occur.

Contributions are assumed to be received continuously throughout the year based upon the computed percent of payroll shown in this report, and the actual payroll payable at the time contributions are made.

## Denver Employees Retirement Plan

Marriage Assumption

Normal Form of Benefit
Pay Increase Timing

Service Credit Accruals
Terminal Pay

Retiree Medical Election Percentage
$75.00 \%$ of males and $60.00 \%$ of females are assumed to be married for purposes of death-in-service benefits and $75.00 \%$ of males and $60.00 \%$ of females are assumed to be married for purposes of retiree medical benefits. Male spouses are assumed to be 3 years older than female spouses for active member valuation purposes.

A straight life benefit is the normal form of benefit.
Beginning of year. This is equivalent to assuming that reported pays represent annualized rates of pay on the valuation date.

It is assumed that members accrue one year of service credit per year.
Unused sick and vacation hours are converted into pay at retirement, death, disability or termination. That converted amount is included in the Final Average Compensation (FAC). The valuation accounts for this by assuming the FAC will be increased by $5.00 \%$ for active retirement benefits and increase by $2.25 \%$ for active ordinary death and termination benefits.

It is assumed that $85 \%$ of members who retire elect medical benefits, $30 \%$ of members who terminate elect medical benefits, $80 \%$ of beneficiaries elect medical benefits, and $80 \%$ of members who leave as disabled members elect retire medical benefits.

## Analysis of Financial Experience

Composite Gain (Loss) for the Years Ending December 31, 2005 through 2009

Retirement Benefits

| Type of Activity: |  | $\underline{2009}$ |  | $\underline{2008}$ |  | $\underline{2007}$ |  | $\underline{2006}$ |  | $\underline{2005}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1. Retirement, Disability, Death, Withdrawal, Pay Increases, etc. | \$ | $(6,092,100)$ | \$ | $(13,721,100)$ | \$ | $(33,977,800)$ | \$ | $(12,590,978)$ |  | $(15,368,607)$ |
| 2. New Entrants |  | $(1,349,200)$ |  | $(2,320,600)$ |  | $(2,162,300)$ |  | $(1,231,666)$ |  | $(1,032,441)$ |
| 3. Investment Income |  | $(86,709,900)$ |  | $(119,838,500)$ |  | 22,982,500 |  | 14,392,526 |  | $(6,314,252)$ |
| Gain (Loss) |  | $(94,151,200)$ |  | $(135,880,200)$ |  | $(13,157,600)$ |  | 569,882 |  | $(22,715,300)$ |
| Non-recurring Items: |  |  |  |  |  |  |  |  |  |  |
| Changes in Actuarial Assumptions and Methods |  | 25,945,200 |  | - |  | 3,146,700 |  | 30,179,431 |  | $(5,576,536)$ |
| Changes in Plan Provisions |  | - |  | - |  | - |  | - |  | - |
| Total Non-recurring Items |  | 25,945,200 |  | - |  | 3,146,700 |  | 30,179,431 |  | $(5,576,536)$ |
| Composite Gain (Loss) During Year | \$ | $(68,206,000)$ | \$ | (135,880,200) | \$ | $(10,010,900)$ | \$ | 30,749,313 |  | $(28,291,836)$ |

Health Benefits

| Type of Activity: |  | $\underline{2009}$ |  | 2008 |  | $\underline{2007}$ |  | $\underline{2006}$ |  | $\underline{2005}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1. Retirement, Disability, Death, Withdrawal, Pay Increases, etc. | \$ | $(5,842,600)$ | \$ | $(3,660,100)$ | \$ | 1,883,600 | \$ | $(1,039,996)$ | \$ | $(4,381,953)$ |
| 2. New Entrants |  | $(40,900)$ |  | $(93,400)$ |  | $(111,300)$ |  | $(69,997)$ |  | $(62,118)$ |
| 3. Investment Income |  | $(4,252,500)$ |  | $(5,825,700)$ |  | 1,113,000 |  | 646,185 |  | $(423,884)$ |
| Gain (Loss) |  | $(10,136,000)$ |  | (9,579,200) |  | 2,885,300 |  | $(463,808)$ |  | $(4,867,955)$ |
| Non-recurring Items: |  |  |  |  |  |  |  |  |  |  |
| Changes in Actuarial Assumptions and Methods |  | 138,600 |  | - |  | $(1,549,200)$ |  | - |  | $(420,884)$ |
| Changes in Plan Provisions |  | - |  | - |  | - |  | - |  | - |
| Total Non-recurring Items |  | 138,600 |  | - |  | $(1,549,200)$ |  | - |  | $(420,884)$ |
| Composite Gain (Loss) During Year | \$ | $(9,997,400)$ | \$ | (9,579,200) | \$ | 1,336,100 | \$ | $(463,808)$ | \$ | $(5,288,839)$ |

Schedule of Retirees and Beneficiaries ${ }^{(1)}$


Schedule of Active Members ${ }^{(2)}$

| Valuation <br> Date | Number | Annual Payroll | Average <br> Annual <br> Earnings | Percent Increase in <br> Average <br> Earnings |
| :---: | :---: | :---: | :---: | :---: |
| 1/1/05 | 8,634 | \$460,341,857 | \$53,317 | 1.0\% |
| 1/1/06 | 8,732 | 475,500,445 | 54,455 | 2.1 |
| 1/1/07 | 8,988 | 489,447,759 | 54,456 | 0.0 |
| 1/1/08 | 9,304 | 543,728,238 | 58,440 | 7.3 |
| 1/1/09 | 9,323 | 542,913,194 | 58,234 | -0.4 |
| 1/1/10 | 8,604 | 506,045,186 | 58,815 | 1.0 |

${ }^{(2)}$ This schedule does not include participants in DROP and DROP II.

## Solvency Test

| Valuation Date | Actuarial Accrued Liabilities |  |  | Valuation Assets |  | Portion of Accrued Liabilities Covered by Valuation Assets |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | (1) | (2) | (3) |  |  |  |  |  |
|  | Retirees and Beneficiaries | Terminated Vested Members | Active Members |  |  | (1) | (2) | (3) |
| 1/1/05 | \$928,598,346 | \$90,906,316 | \$646,036,160 | (a) | \$1,651,090,641 | 100\% | 100\% | 98\% |
| 1/1/06 | 971,604,541 | 100,574,234 | 710,326,168 | (b) | 1,735,208,838 | 100 | 100 | 93 |
| 1/1/07 | 1,017,987,597 | 105,533,885 | 739,251,384 | (c) | 1,837,476,077 | 100 | 100 | 97 |
| 1/1/08 | 1,068,882,528 | 112,973,265 | 803,795,689 | (d) | 1,950,010,815 | 100 | 100 | 96 |
| 1/1/09 | 1,135,549,357 | 120,295,849 | 840,041,890 | (e) | 1,924,991,121 | 100 | 100 | 80 |
| 1/1/10 | 1,290,661,062 | 123,892,229 | 761,689,445 | (f) | 1,923,560,713 | 100 | 100 | 67 |

(a) Includes DROP accounts of $\$ 69,867,672$.
(b) Includes DROP accounts of $\$ 83,953,779$.
(c) Includes DROP accounts of $\$ 92,848,939$.
(d) Includes DROP accounts of $\$ 96,066,783$.
(e) Includes DROP accounts of $\$ 96,801,380$.
(f) Includes DROP accounts of $\$ 98,422,814$.

A short-term solvency test is one means of checking a plan's progress under its funding program. In a short-term solvency test, a plan's assets are compared with the accrued liabilities of the plan. The liabilities are ranked, with (1) representing the liabilities of present retired lives, (2) terminated vested members liabilities, and (3), the liabilities for service already rendered by active members. For DERP, the liabilities for the retired members and the terminated vested members are fully covered by the valuation assets, and the liabilities for service already rendered by active members is partially covered by the remainder of the valuation assets.

# Summary of Principal Plan Provisions ${ }^{(1)}$ 

## Retirement Program

The Plan is a defined benefit pension plan that was established on January 1,1963. The purpose of the Plan is to provide benefits for its members and beneficiaries upon retirement, disability, or death. The Plan was designed to be supplemented by a member's Social Security benefits and/or other retirement investments.

Contributions

In 2010, the City, the Plan for its staff, and DHHA contributed amounts equal to $8.5 \%$ of each member employee's gross salary to the trust fund. The employees contributed $4.5 \%$ of their gross salary, on a pretax basis, through payroll deductions. The employer and employee contributions, plus income from investments, fund the retirement benefits for employees and their beneficiaries. Effective January 1, 2011, the participating employers contribute $9.5 \%$ of each member employee's gross salary and employees contribute $5.5 \%$ of their gross salary to the trust fund.

## Retirement Benefits

## Calculation of Retirement Benefits

For active members employed by the City, the Plan, and DHHA prior to September 1, 2004, the retirement benefit calculation is $2.0 \%$ of the member's average monthly salary (AMS), based upon the highest 36 consecutive months' salary with an employer covered by this retirement plan, times years of credited service. For members who were originally hired or re-hired on or after September 1, 2004, the retirement benefit is based on $1.5 \%$ of the AMS times years of credited service. The vesting requirement is five years of credited service. In accordance with certain restrictions, active, vested members may purchase additional service. Retirement benefits from the Plan are payable in the form of a life annuity.

## Normal Retirement

Normal retirement becomes effective the first day of any month after the member reaches 65 and terminates employment with the City, the Plan, or DHHA. There are no service requirements for this benefit.

## Normal Retirement - Rule-of-75

The Rule-of-75 enables a member to retire as early as age 55 without a benefit reduction, provided the combined credited service and age at termination equals or exceeds 75 .

## Early Retirement

A member may retire early upon reaching age 55 and with a minimum of five years credited service. Benefits are determined in accordance with the above calculation based on credited service to the early retirement date, reduced by $3.0 \%$ per year for each year under age 65.

## Deferred Retirement

Following the month of application, a member with a minimum of five years credited service that has terminated employment with the City, the Plan, or DHHA may elect to receive a benefit upon reaching age 55 or older. Calculation of a deferred benefit is based on the member's age at the time of application for retirement benefits, AMS, and credited service earned as an employee of one of the respective employers. If a member should die prior to receiving a monthly deferred retirement benefit, a spouse or, if not married, children under age 21 may be eligible for a benefit.

[^1]
# Summary of Principal Plan Provisions ${ }^{(1)}$ 

## Maximum Lifetime Benefit

This option provides a maximum lifetime benefit to the member and ceases upon the member's death. If the member is married and chooses the maximum lifetime benefit, the spouse must formally forfeit all rights to any lifetime monthly benefit from the Plan at the time the selection is made.

## Joint and Survivor Options

The Plan also provides a joint and survivor benefit option. Under this benefit option the member will receive a reduced lifetime monthly benefit in order to provide a lifetime monthly benefit for a beneficiary. If the member is married, the spouse must be the designated beneficiary unless the spouse formally forfeits these rights and consents to the designation of another beneficiary.

## Disability Retirement - On-the-Job

If a member should become permanently disabled in connection with the member's employment, the member may be eligible for an on-the-job disability retirement benefit. This benefit would be based on the higher of 20 years credited service or actual service plus 10 years. In either case, the credited service cannot exceed the service that the member would have earned at age 65 . There are no minimum years of service requirements for this benefit. The member must meet all City ordinance requirements to qualify for an on-the-job disability.

## Disability Retirement - Off-the-Job

A permanent disability not directly connected to the job will be classified as an off-the-job disability. The off-thejob disability benefit is $75.0 \%$ of the benefit calculated for an on-the-job disability. The member must be vested and meet all requirements per City ordinance.

## Death Benefit before Retirement

If an active member should die while employed with the City, the Plan or DHHA, there are death benefits available for the member's beneficiary. If the member is married, the member's spouse will receive a lifetime benefit unless the spouse had formally waived this right and consented to another designated beneficiary. If there is no spouse, any children under the age of 21 will receive a benefit until they reach age 21 . If the member is unmarried and has no children under 21, the designated beneficiary will receive the lifetime monthly benefit.

## On-the-Job Death

If a death is classified as on-the-job, the member's beneficiary will receive a lifetime monthly benefit calculated at the higher of 15 years service or actual service plus 5 years. In either case, the credits may not exceed service which would have been earned by the member at age 65 .

## Off-the-Job Death

If a death is classified as off-the-job, the member's beneficiary will receive a lifetime monthly benefit that is $75.0 \%$ of the on-the-job death benefit. There are no minimum service requirements for this benefit.

[^2]
# Summary of Principal Plan Provisions ${ }^{(1)}$ 

## Death Benefit after Retirement

## Lump-Sum Death Benefit

A lump-sum death benefit is available to members who retire directly from active service. This single payment will be paid to the member's beneficiary or estate if the designated beneficiary is no longer living. The death benefit for Normal, Rule-of-75, or Disability (after age 65) Retirement is $\$ 5,000$.

Health Insurance after Retirement

The Plan offers health, dental and vision insurance options for retired members and their family. The Plan contributes a portion of the monthly health, dental and vision insurance premiums based on the member's years of credited service and age. For members under age 65 , the benefit is $\$ 12.50$ per year of credited service and for members over age 65, the benefit is $\$ 6.25$ per year of credited service.

[^3]This Page Intentionally Left Blank

## Statistical Section

This section of the Plan's comprehensive annual financial report presents detailed information to assist the reader in understanding what the information in the financial statements, note disclosures, and required supplementary information indicate about the Plan's overall financial status.
$\left.\begin{array}{lrrrrrrr}\hline \text { Changes in Net Assets } \\ \text { Last Ten Fiscal Years }\end{array}\right]$

## Health Benefits

Additions:

| Member contributions ${ }^{(1)}$ | \$ | - | \$ | - | \$ | 218,967 | \$ | 784,899 | \$ | 1,038,456 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Employer contributions ${ }^{(1)}$ |  | 6,213,943 |  | 3,556,073 |  | 4,348,924 |  | 3,143,627 |  | 3,530,326 |
| Investment earnings (net of expenses) |  | $(4,910,543)$ |  | $(6,766,350)$ |  | 13,503,048 |  | 8,832,033 |  | 7,812,975 |
| Total additions to Plan net assets |  | 1,303,400 |  | $(3,210,277)$ |  | 18,070,939 |  | 12,760,559 |  | 12,381,757 |
| Deductions: |  |  |  |  |  |  |  |  |  |  |
| Benefit payments |  | 5,672,171 |  | 6,561,307 |  | 7,588,370 |  | 8,415,219 |  | 9,201,577 |
| Refunds |  | - |  | - |  | - |  | 4,428 |  | 8,352 |
| Administrative expenses |  | 110,628 |  | 112,517 |  | 117,418 |  | 120,277 |  | 129,711 |
| Total deductions from Plan net assets |  | 5,782,799 |  | 6,673,824 |  | 7,705,788 |  | 8,539,924 |  | 9,339,640 |
| Change in net assets | \$ | (4,479,399) | \$ | (9,884,101) | \$ | 10,365,151 | \$ | 4,220,635 | \$ | 3,042,117 |

${ }^{(1)}$ Employer and employee contributions are made in accordance with rates set by City ordinance. The contribution rate has been actuarially determined by an independent acturary to be sufficient to accumulate assets necessary to pay the actuarial liability when due.
${ }^{(2)}$ The employers contributed amounts equal to $10 \%$ of covered payroll through September 30, 2003. Beginning on October 1, 2003, the employers reduced their contribtion to $8.0 \%$ and employees began making a $2.0 \%$ contribution.
${ }^{(3)}$ Effective January 1, 2005, the employer and employee contributions increased to $8.5 \%$ and $2.5 \%$, respectively.
${ }^{(4)}$ Effective January 1, 2010, the employee's contribution increased to 4.5\%.


## Schedule of Benefit Expenses by Type

Last Ten Fiscal Years

|  |  | 2001 |  | 2002 |  | 2003 |  | 2004 |  | 2005 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Age and Service Benefits: |  |  |  |  |  |  |  |  |  |  |
| Retirees | \$ | 48,762,123 | \$ | 52,217,021 | \$ | 55,940,266 | \$ | 62,377,101 | \$ | 9,452,844 |
| Survivor |  | 2,726,821 |  | 3,055,528 |  | 3,303,251 |  | 3,487,000 |  | 3,723,260 |
| Death in Service Benefits |  | 2,003,243 |  | 2,147,646 |  | 2,328,352 |  | 2,504,738 |  | 2,766,450 |
| Disability Benefits: |  |  |  |  |  |  |  |  |  |  |
| Retirees: |  |  |  |  |  |  |  |  |  |  |
| On-the-Job |  | 443,733 |  | 587,789 |  | 514,618 |  | 604,324 |  | 571,189 |
| Off-the-Job |  | 2,165,980 |  | 2,347,540 |  | 2,639,992 |  | 2,868,523 |  | 2,871,960 |
| Survivors |  | 550,044 |  | 582,711 |  | 586,217 |  | 653,459 |  | 797,577 |
| Lump Sum Death Benefits |  | 1,020,755 |  | 946,180 |  | 893,150 |  | 1,555,635 |  | 1,275,203 |
| Pension Benefits' Refunds |  | 23,853 |  | 14,325 |  | 20,800 |  | 81,937 |  | 159,000 |
| Health Benefits' Refunds |  | - |  | - |  | - |  | 4,428 |  | 8,352 |
| DROP Benefits |  | 74,353 |  | 435,511 |  | 1,653,347 |  | 2,304,358 |  | 4,595,148 |
| Pension Benefits |  | 57,672,699 |  | 61,884,415 |  | 66,205,846 |  | 74,050,780 |  | 81,458,483 |
| Health Benefits |  | 5,672,171 |  | 6,561,307 |  | 7,588,370 |  | 8,415,219 |  | 9,201,577 |


|  | 2006 |  | 2007 |  | 2008 |  | 2009 | 2010 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$ | 77,386,468 | \$ | 85,768,809 | \$ | 94,138,108 | \$ | 100,395,696 | \$ 114,044,816 |
|  | 4,057,908 |  | 4,342,907 |  | 4,772,142 |  | 5,050,283 | 5,415,206 |
|  | 2,802,956 |  | 2,905,886 |  | 3,118,334 |  | 3,347,207 | 3,636,127 |
|  | 581,664 |  | 607,662 |  | 695,022 |  | 646,932 | 769,792 |
|  | 2,986,632 |  | 3,115,834 |  | 3,257,205 |  | 3,377,520 | 3,712,434 |
|  | 874,519 |  | 927,141 |  | 1,012,571 |  | 1,071,358 | 1,124,708 |
|  | 996,348 |  | 1,199,236 |  | 1,055,949 |  | 1,310,065 | 1,376,342 |
|  | 209,412 |  | 390,158 |  | 492,692 |  | 430,252 | 666,009 |
|  | 10,705 |  | 19,489 |  | 24,005 |  | 20,304 | 30,120 |
|  | 5,749,749 |  | 6,059,326 |  | 7,041,536 |  | 5,992,795 | 7,312,897 |
|  | 89,686,495 |  | 98,867,475 |  | 108,049,331 |  | 115,199,061 | 130,079,425 |
|  | 9,933,174 |  | 10,612,929 |  | 10,822,553 |  | 11,003,408 | 11,708,006 |

## Schedule of Retired Members by Type of Benefit - Pension

December 31, 2010

|  |  | Type of Retirement* |  |  |  |  |  |  | Option Selected** |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Amount of Monthly Benefit | Number of Retirees | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 1 | 2 | 3 | 4 |
| \$1-50 | 116 | 40 | 76 |  |  |  |  |  | 115 | 1 |  |  |
| 51-100 | 123 | 16 | 89 |  |  | 1 | 17 |  | 89 | 25 | 5 | 4 |
| 101-150 | 209 | 23 | 154 | 1 |  | 5 | 26 |  | 132 | 59 | 6 | 12 |
| 151-200 | 206 | 13 | 163 |  |  | 6 | 22 | 2 | 129 | 53 | 7 | 17 |
| 201-250 | 233 | 28 | 176 |  |  | 6 | 18 | 5 | 140 | 70 | 5 | 18 |
| 251-300 | 229 | 19 | 154 | 1 | 2 | 19 | 31 | 3 | 141 | 66 | 4 | 18 |
| 301-350 | 239 | 31 | 147 |  | 3 | 21 | 25 | 12 | 153 | 55 | 13 | 18 |
| 351-400 | 183 | 25 | 114 | 1 | 8 | 15 | 16 | 4 | 113 | 49 | 1 | 20 |
| 401-450 | 188 | 29 | 117 | 1 | 6 | 11 | 20 | 4 | 109 | 44 | 8 | 27 |
| 451-500 | 206 | 41 | 105 | 1 | 11 | 17 | 26 | 5 | 125 | 46 | 11 | 24 |
| 501-600 | 390 | 97 | 186 | 3 | 24 | 19 | 42 | 19 | 230 | 85 | 24 | 51 |
| 601-700 | 333 | 125 | 115 | 2 | 27 | 15 | 35 | 14 | 202 | 73 | 20 | 38 |
| 701-800 | 310 | 119 | 99 | 3 | 24 | 14 | 38 | 13 | 174 | 79 | 22 | 35 |
| 801-900 | 299 | 140 | 74 | 3 | 20 | 17 | 37 | 8 | 174 | 70 | 18 | 37 |
| 901-1,000 | 252 | 152 | 38 | 2 | 21 | 10 | 21 | 8 | 138 | 59 | 20 | 35 |
| 1,001-1,100 | 292 | 177 | 56 | 2 | 14 | 6 | 25 | 12 | 152 | 74 | 25 | 41 |
| 1,101-1,200 | 270 | 172 | 33 | 1 | 19 | 10 | 22 | 13 | 143 | 86 | 15 | 26 |
| 1,201-1,300 | 253 | 173 | 26 | 1 | 12 | 10 | 26 | 5 | 126 | 70 | 16 | 41 |
| 1,301-1,400 | 237 | 177 | 20 | 3 | 14 | 1 | 16 | 6 | 133 | 52 | 16 | 36 |
| 1,401-1,500 | 234 | 176 | 19 | 1 | 9 | 8 | 15 | 6 | 126 | 52 | 20 | 36 |
| 1,501-1,600 | 197 | 162 | 13 | 3 | 4 | 4 | 10 | 1 | 105 | 47 | 24 | 21 |
| 1,601-1,700 | 186 | 154 | 12 |  | 6 | 6 | 6 | 2 | 96 | 38 | 22 | 30 |
| 1,701-1,800 | 170 | 148 | 3 | 1 | 4 | 2 | 9 | 3 | 93 | 32 | 21 | 24 |
| 1,801-1,900 | 170 | 146 | 9 |  | 6 | 3 | 5 | 1 | 94 | 29 | 18 | 29 |
| 1,901-2,000 | 150 | 136 | 2 |  | 4 | 2 | 5 | 1 | 67 | 39 | 11 | 33 |
| 2,001-2,500 | 647 | 562 | 15 | 5 | 17 | 10 | 30 | 8 | 305 | 177 | 66 | 99 |
| 2,501-3,000 | 450 | 425 | 2 | 5 | 6 | 2 | 8 | 2 | 206 | 108 | 41 | 95 |
| 3,001-3,500 | 334 | 313 | 3 | 3 | 1 | 6 | 7 | 1 | 159 | 92 | 26 | 57 |
| 3,501-4,000 | 200 | 193 | 2 |  | 1 | 2 | 1 | 1 | 94 | 57 | 16 | 33 |
| 4,001-4,500 | 113 | 107 | 1 |  | 1 | 3 | 1 |  | 44 | 27 | 7 | 35 |
| \$4,501- over | 187 | 183 | 1 |  | 1 | 1 | 1 |  | 74 | 51 | 24 | 38 |
| Totals | 7,606 | 4,302 | 2,024 | 43 | 265 | 252 | 561 | 159 | 4,181 | 1,865 | 532 | 1,028 |

* Type of Retirement:

1. Normal Retirement for Age and Service
2. Early Retirement
3. Disability - On-the-Job
4. Disability - Off-the-Job
5. Survivor Payment - Death in Service
6. Survivor Payment - Normal or Early Retirement
7. Survivor Payment - Disability Retirement
**Option Selected:
8. Life
9. $100 \%$ Joint and Survivor
10. $75 \%$ Joint and Survivor
11. $50 \%$ Joint and Survivor

## Statistical Section

## Schedule of Retired Members by Type of Benefit - Health Insurance Reduction

December 31, 2010

| ${ }^{(1)}$ Under 65 years of age |  | ${ }^{(2)}$ Over 65 years of age |  |
| :---: | :---: | :---: | :---: |
| Amount of Reduction Eligible to Receive | Number of Retirees | Amount of Reduction Eligible to Receive | Number of Retirees |
| \$12.50-50.00 | 141 | \$6.25-50.00 | 245 |
| 51.00-100.00 | 171 | 51.00-100.00 | 681 |
| 101.00-150.00 | 202 | 101.00-150.00 | 899 |
| 151.00-200.00 | 351 | 151.00-200.00 | 838 |
| 201.00-250.00 | 354 | 201.00-250.00 | 263 |
| 251.00-300.00 | 344 | 251.00-300.00 | 47 |
| 301.00-350.00 | 419 | 301.00-350.00 | 18 |
| 351.00-400.00 | 271 | 351.00-400.00 | 7 |
| 401.00-450.00 | 44 | 401.00-450.00 | 2 |
| 451.00-500.00 | 19 | 451.00-500.00 | 2 |
| 501.00-550.00 | 5 | 501.00-550.00 |  |
| 551.00-600.00 | 5 | 551.00-600.00 | 2 |
| 601.00-650.00 | 7 | \$601.00-over | 2 |
| 651.00-700.00 | 7 |  |  |
| 701.00-750.00 | 3 |  |  |
| 751.00-800.00 | 3 |  |  |
| \$801.00-over | 4 |  |  |
| Total | 2,350 | Total | 3,006 |

Type of Benefit:
${ }^{(1)}$ Under 65 years of age participants are eligible for health/dental insurance premium reduction equal to $\$ 12.50$ for each year of service.
${ }^{(2)}$ Over 65 years of age participants are eligible for health/dental insurance premium reduction equal to $\$ 6.25$ for each year of service.

Note: In some instances, the years of service of spouses may have been combined when determining the amount of benefit.

## Schedule of Retired Members by Attained Age and Type of Pension Benefit

December 31, 2010

| Age | Number of Retirees/ <br> Beneficiary | Type of Retirement* |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 01-24 | 24 |  |  |  |  | 16 | 2 | 6 |
| 25-29 | 6 |  |  |  |  | 1 |  | 5 |
| 30-34 | 15 |  |  |  |  | 1 | 1 | 13 |
| 35-39 | 17 |  |  |  | 2 | 3 | 5 | 7 |
| 40-44 | 28 | 1 |  |  | 6 | 10 | 7 | 4 |
| 45-49 | 34 | 1 | 1 |  | 8 | 13 | 7 | 4 |
| 50-54 | 97 | 5 |  | 2 | 40 | 21 | 18 | 11 |
| 55-59 | 1,194 | 547 | 490 | 12 | 51 | 33 | 37 | 24 |
| 60-64 | 1,740 | 1,008 | 554 | 10 | 67 | 35 | 50 | 16 |
| 65-69 | 1,364 | 867 | 341 | 2 | 43 | 27 | 59 | 25 |
| 70-74 | 1,023 | 660 | 202 | 8 | 24 | 29 | 81 | 19 |
| 75-79 | 803 | 531 | 131 | 4 | 12 | 19 | 95 | 11 |
| 80-84 | 624 | 385 | 100 | 3 | 9 | 23 | 99 | 5 |
| 85-89 | 424 | 185 | 152 | 1 | 2 | 14 | 63 | 7 |
| 90-94 | 171 | 88 | 44 | 1 | 1 | 7 | 28 | 2 |
| 95 and up | 42 | 23 | 10 |  |  |  | 9 |  |
| Totals | 7,606 | 4,301 | 2,025 | 43 | 265 | 252 | 561 | 159 |

*Type of Retirement:

1. Normal Retirement for Age and Service
2. Early Retirement
3. Disability - On-the-Job
4. Disability - Off-the-Job
5. Survivor Payment - Death in Service
6. Survivor Payment - Normal or Early Retirement
7. Survivor Payment - Disability Retirement

## Average Monthly Benefit Payment - Pension

Last Ten Fiscal Years

| Retirement Effective Date for the Years Ended December 31 | Years of Credited Service |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | 31+ | Total |
| 2001 |  |  |  |  |  |  |  |  |
| Average Monthly Benefit | \$136.18 | \$375.02 | \$738.20 | \$1,381.98 | \$2,191.11 | \$3,014.21 | \$3,033.24 | \$2,210.50 |
| Mean Final Average Monthly Salary | \$3,076.89 | \$3,605.96 | \$3,717.92 | \$4,261.20 | \$5,010.69 | \$5,526.33 | \$4,801.42 | \$4,737.27 |
| Number of Retirees | 4 | 47 | 48 | 81 | 100 | 140 | 148 | 568 |
| 2002 |  |  |  |  |  |  |  |  |
| Average Monthly Benefit | \$5.31 | \$330.93 | \$743.84 | \$1,237.29 | \$1,927.91 | \$2,615.87 | \$3,255.39 | \$1,754.06 |
| Mean Final Average Monthly Salary | \$480.59 | \$3,242.39 | \$3,710.53 | \$3,900.95 | \$4,490.34 | \$4,821.29 | \$5,110.39 | \$4,246.26 |
| Number of Retirees | 2 | 57 | 62 | 60 | 70 | 76 | 67 | 394 |
| 2003 |  |  |  |  |  |  |  |  |
| Average Monthly Benefit | \$340.96 | \$414.46 | \$850.92 | \$1,656.35 | \$2,208.37 | \$2,762.79 | \$3,316.91 | \$1,932.89 |
| Mean Final Average Monthly Salary | \$3,428.78 | \$3,683.47 | \$4,223.41 | \$5,129.96 | \$4,969.14 | \$5,199.59 | \$5,144.78 | \$4,761.60 |
| Number of Retirees | 5 | 61 | 74 | 81 | 60 | 88 | 82 | 451 |
| 2004 |  |  |  |  |  |  |  |  |
| Average Monthly Benefit | \$235.47 | \$408.91 | \$809.39 | \$1,274.68 | \$2,083.56 | \$2,325.80 | \$3,084.75 | \$1,487.81 |
| Mean Final Average Monthly Salary | \$2,883.01 | \$3,821.80 | \$4,337.81 | \$4,537.74 | \$4,952.69 | \$4,511.64 | \$5,025.66 | \$4,434.07 |
| Number of Retirees | 1 | 75 | 39 | 43 | 41 | 39 | 38 | 276 |
| 2005 |  |  |  |  |  |  |  |  |
| Average Monthly Benefit | \$157.05 | \$413.42 | \$723.78 | \$1,299.63 | \$1,531.58 | \$2,327.17 | \$3,307.38 | \$1,367.83 |
| Mean Final Average Monthly Salary | \$2,787.43 | \$3,991.64 | \$3,993.72 | \$4,294.89 | \$4,161.50 | \$4,599.48 | \$5,446.68 | \$4,305.44 |
| Number of Retirees | 7 | 81 | 52 | 48 | 40 | 36 | 42 | 306 |
| 2006 |  |  |  |  |  |  |  |  |
| Average Monthly Benefit | \$241.12 | \$380.82 | \$798.58 | \$1,640.94 | \$2,061.07 | \$2,498.79 | \$3,358.99 | \$1,612.03 |
| Mean Final Average Monthly Salary | \$1,116.33 | \$3,672.48 | \$4,061.86 | \$5,301.29 | \$5,103.43 | \$7,480.71 | \$5,453.33 | \$4,562.89 |
| Number of Retirees | 7 | 86 | 71 | 59 | 50 | 44 | 63 | 380 |
| 2007 |  |  |  |  |  |  |  |  |
| Average Monthly Benefit | \$52.26 | \$406.89 | \$668.51 | \$1,306.00 | \$1,802.38 | \$2,500.82 | \$3,146.99 | \$1,525.70 |
| Mean Final Average Monthly Salary | \$2,936.27 | \$3,784.99 | \$3,637.37 | \$4,493.97 | \$4,707.83 | \$4,897.62 | \$5,052.79 | \$4,372.90 |
| Number of Retirees | 1 | 88 | 56 | 68 | 55 | 50 | 61 | 379 |
| 2008 |  |  |  |  |  |  |  |  |
| Average Monthly Benefit | \$758.53 | \$444.21 | \$844.40 | \$1,584.03 | \$2,316.39 | \$2,603.67 | \$3,369.03 | \$1,621.69 |
| Mean Final Average Monthly Salary | \$2,053.60 | \$3,781.87 | \$4,450.86 | \$4,998.35 | \$5,568.83 | \$5,209.11 | \$5,532.95 | \$4,742.67 |
| Number of Retirees | 3 | 94 | 63 | 72 | 44 | 55 | 46 | 377 |
| 2009 |  |  |  |  |  |  |  |  |
| Average Monthly Benefit | \$170.48 | \$371.43 | \$861.17 | \$1,646.28 | \$2,171.89 | \$2,631.60 | \$3,380.10 | \$1,960.51 |
| Mean Final Average Monthly Salary | \$3,651.81 | \$3,179.39 | \$4,348.20 | \$5,337.72 | \$5,432.91 | \$5,123.81 | \$5,359.29 | \$4,883.90 |
| Number of Retirees | 5 | 93 | 77 | 114 | 126 | 73 | 142 | 630 |
| 2010 |  |  |  |  |  |  |  |  |
| Average Monthly Benefit | \$211.53 | \$369.70 | \$979.86 | \$1,527.63 | \$2,163.74 | \$2,606.62 | \$3,138.77 | \$1,569.19 |
| Mean Final Average Monthly Salary | \$3,293.07 | \$3,738.27 | \$5,649.60 | \$5,459.85 | \$5,761.51 | \$5,114.12 | \$5,862.78 | \$5,152.88 |
| Number of Retirees | 5 | 72 | 63 | 74 | 40 | 33 | 48 | 335 |

## Average Monthly Benefit Payment - Health Benefits Reduction

## Last Five Fiscal Years

| As of December 31: | Years of Credited Service |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | 31+ | Total |
| 2006 |  |  |  |  |  |  |  |  |
| Total Eligible Reduction Amount | \$3,531 | \$30,738 | \$68,931 | \$125,975 | \$183,056 | \$230,344 | \$296,069 | \$938,644 |
| Average Monthly Benefit Paid | \$36.36 | \$62.47 | \$95.70 | \$145.35 | \$191.33 | \$245.71 | \$292.40 | \$186.00 |
| Number of Retirees | 89 | 423 | 608 | 780 | 876 | 872 | 897 | 4,545 |
| 2007 |  |  |  |  |  |  |  |  |
| Total Eligible Reduction Amount | \$3,775 | \$30,788 | \$66,525 | \$127,688 | \$189,438 | \$239,006 | \$317,100 | \$974,320 |
| Average Monthly Benefit Paid | \$37.58 | \$62.76 | \$97.04 | \$145.41 | \$191.21 | \$246.67 | \$303.49 | \$190.26 |
| Number of Retirees | 96 | 432 | 599 | 794 | 915 | 910 | 957 | 4,703 |
| 2008 |  |  |  |  |  |  |  |  |
| Total Eligible Reduction Amount | \$3,263 | \$33,463 | \$69,656 | \$139,150 | \$191,944 | \$245,413 | \$330,750 | \$1,013,638 |
| Average Monthly Benefit Paid | \$36.25 | \$71.05 | \$190.18 | \$161.05 | \$201.83 | \$256.98 | \$326.83 | \$190.26 |
| Number of Retirees | 90 | 471 | 638 | 864 | 951 | 955 | 1,012 | 4,981 |
| 2009 |  |  |  |  |  |  |  |  |
| Total Eligible Reduction Amount | \$3,313 | \$35,381 | \$75,444 | \$154,194 | \$213,188 | \$256,800 | \$375,813 | \$1,114,131 |
| Average Monthly Benefit Paid | \$36.40 | \$72.50 | \$110.78 | \$165.44 | \$209.01 | \$260.18 | \$336.15 | \$209.54 |
| Number of Retirees | 91 | 488 | 681 | 932 | 1,020 | 987 | 1,118 | 5,317 |
| 2010 |  |  |  |  |  |  |  |  |
| Total Eligible Reduction Amount | \$3,506 | \$34,006 | \$75,925 | \$157,556 | \$209,787 | \$252,344 | \$377,131 | \$1,110,255 |
| Average Monthly Benefit Paid | \$36.91 | \$69.97 | \$110.20 | \$164.12 | \$206.48 | \$255.41 | \$336.12 | \$207.29 |
| Number of Retirees | 95 | 486 | 689 | 960 | 1,016 | 988 | 1,122 | 5,356 |

Note: Only five years of data are available because 2006 is the first year the information was captured.
Principal Participating Employers
Current Year and Nine Years Ago

|  | 2010 |  |  | 2001 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Covered Employees | Rank | Percentage of Total System | Covered Employees | Rank | Percentage of Total System |
| Pension Benefits |  |  |  |  |  |  |
| Participating Government: |  |  |  |  |  |  |
| City and County of Denver | 17,702 | 1 | 91.5\% | 16,139 | 1 | 87.5\% |
| Denver Health and Hospital Authority | 1,650 | 2 | 8.5\% | 2,305 | 2 | 12.5\% |
| Total | 19,352 |  | $\underline{\underline{100.0 \%}}$ | 18,444 |  | $\underline{\underline{100.0 \%}}$ |
| Health Benefits |  |  |  |  |  |  |
| Participating Government: |  |  |  |  |  |  |
| City and County of Denver | 17,702 | 1 | 91.5\% | 16,139 | 1 | 87.5\% |
| Denver Health and Hospital Authority | 1,650 | 2 | 8.5\% | 2,305 | 2 | 12.5\% |
| Total | 19,352 |  | $\underline{\underline{100.0}}$ | 18,444 |  | $\underline{\underline{100.0}}$ |

## Location of Plan Retirees

Total Number of Retirees - 7,606


Other Countries

| Australia | 1 |
| :--- | :--- |
| Bulgaria | 1 |
| Canada | 1 |
| Chile | 1 |
| Israel | 3 |
| Mexico | 4 |
| New Zealand | 3 |
| Poland | 1 |
| Puerto Rico | 1 |
| Scotland | 1 |

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[^0]:    Employer contributions
    Employee contributions
    Net appreciation in fair value of investments Interest, dividends, real estate/alternative investments, and absolute return income Securities lending transactions income, net Investment expenses
    Total additions, net

[^1]:    ${ }^{(1)}$ This summary is provided for general information purposes only and does not constitute legal advice. For detailed information about the Plan, refer to the Plan's Retirement Handbook.

[^2]:    ${ }^{(1)}$ This summary is provided for general information purposes only and does not constitute legal advice. For detailed information about the Plan, refer to the Plan's Retirement Handbook.

[^3]:    ${ }^{(1)}$ This summary is provided for general information purposes only and does not constitute legal advice. For detailed information about the Plan, refer to the Plan's Retirement Handbook.

