# Comprehensive Annual Financial Report

Year Ended December 31, 2004

Prepared by the DPSRS Staff

1301 Pennsylvania Street, Suite 700 Denver, Colorado 80203-5015 720.423.8900 | www.dpsrs.org

> Robert J. Scott Executive Director

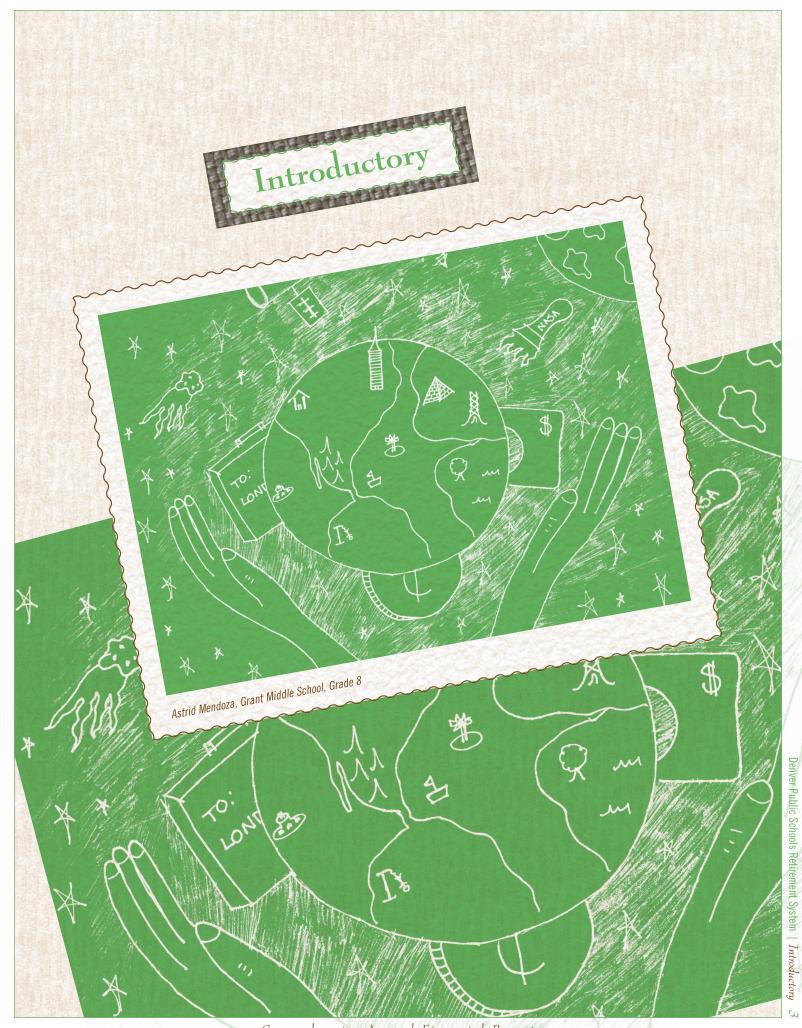
Denver Public Schools Retirement System

Denver, Colorado

#### Table of Contents

#### **Introductory Section**

Certificate of Achievement
Letter of Transmittal
2005 Board of Education
Administrative Organization at January 1, 2005
Message from the Chairperson
2005 Board of Trustees Committee Assignments132004 Primary Consultants13
Financial Section
Independent Auditors' Report
Statements of Fiduciary Net Assets
Notes to Financial Statements
Notes to Required Supplementary Information
Additional Supporting Schedules
Investment Section
Investment Management
Total Returns
List of Largest Assets Held
Investment Summary
Actuarial Section
Actuarial Certification Letter
Summary of Principal Plan Provisions and Organization
Summary of Member Data
Funding
Analysis of Financial Experience
Statistical Section
Schedules Control of the Control of
Average Benefit Payments
Benefit Expenses
Expenses By Type
Retired Members and Beneficiaries By Option
History of Contributions 1945–2004
Statistical Charts Average Monthly Benefit
Contributions
Schedule of Participating Employers



Comprehensive Annual Financial Report

# Introductory | Denver Public Schools Retirement System

# Certificate of Achievement for Excellence in Financial Reporting

Presented to

# **Denver Public Schools** Retirement System, Colorado

For its Comprehensive Annual Financial Report for the Fiscal Year Ended December 31, 2003

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



Manuel Zielle President

**Executive Director** 

# Denver Public Schools Retirement System | Introductory



#### Letter of Transmittal

June 10, 2005

# To the Members of the Board of Trustees and the Board of Education:

am pleased to present the *Comprehensive*Annual Financial Report (CAFR) of the
Denver Public Schools Retirement System
(System or DPSRS) for the year ended
December 31, 2004.

The System is the successor of the Denver Public School Employees' Pension and Benefit Association, which was created by the Board of Education of School District No. 1 in the City and County of Denver, Colorado, on December 1, 1945, pursuant to state statute, that permitted first class school districts to establish an employees' retirement fund. Effective January 1, 2000, the state statute was rewritten, and the Association was renamed the Denver Public Schools Retirement System. The Retirement Board was replaced by an 11-member Board of Trustees having all fiduciary responsibilities for management of the System. The Board of Education retains responsibilities for funding and plan design.

School District No. 1 (DPS or School District), the System, and Charter Schools within the School District comprise the District.

Membership in the System is required for full-time employees of the District.

The 2004 CAFR is presented in five major sections:

- The Introductory Section contains the Letter of Transmittal, Message from the Chairperson, listing of the Board of Trustee members, an administrative organization chart, and a listing of major consultants.
- The Financial Section presents the opinion of the System's independent auditors, KPMG LLP, Management's Discussion and Analysis of financial activities, the financial statements, and the supporting schedules for the System, including a listing of the investment professionals providing services to the System.
- The Investment Section includes information pertaining to the System's investment policies, objectives, and performance and detailed investment listings.
- The Actuarial Section contains the certification of the System's independent consulting actuary, Gabriel, Roeder, Smith & Company, and a review of the actuarial assumptions, valuation methods, funding progress and other statistics used in the actuarial valuation. Also included is a summary of the Denver Public Schools Retirement System Retirement and Benefit Plan (Plan) provisions. The Plan is the detailed statement of rights that one has as a member of the System and the statement of the procedures of operation and organization of the System.
- The Statistical Section contains tables and charts of additional data and interest pertaining to the System.

1301 PENNSYLVANIA STREET, SUITE 700 • DENVER, CO 80203-5015 (720) 423-8900 • FAX (720) 423-8966

# **Benefit Plan Changes** and Other Initiatives

The following changes were made to the Plan effective in 2004 by the Board of Education at the recommendation of the Board of Trustees:

- As of January 1, 2004, each active DPSRS member was credited with the greater of active or accredited service and that service is called "Earned Service." Earned Service is used to determine eligibility for a retirement benefit and to determine the amount of the retirement benefit.
- A DPSRS-covered employer may re-employ a retired member of the DPSRS, but only after a break in service of at least 30 days from the date of retirement. This amendment is intended to meet the Internal Revenue Service bona fide termination requirements.
- The purchase of service provisions of the Plan were amended to prohibit an active member from purchasing service that already has been purchased for credit in another retirement system.
- The calculation to determine credit for casual service was changed from one based on hours of employment to a calculation based on the compensation of the member.
   One month of service is credited for each month the individual's earnings equal or exceed 80 times the hourly federal minimum wage in effect at the time of service.
- Effective January 1, 2004, the cost required to purchase noncovered service credit increased from 25% of highest average salary (HAS) to 34% of HAS for each year of service purchased.
- Effective January 1, 2004, language was added to bring the Plan into compliance with the Internal Revenue Code and Limitation of Benefits requirements.
- Effective December 31, 2004, the Option A benefit was enhanced by adding a death benefit that provides the payment to the designated beneficiary(ies) of the remaining amount of an annuitant's accumulated contribution balance at the time of death.
- Effective December 31, 2004, two new joint and survivor annuity options, continued at 100% (P3) and 50% (P2) respectively, were added that provide a "pop-up" feature in the event the joint survivor pre-deceases or divorces from the annuitant. The P2 or P3 benefit amount generally will pop up to the Option A benefit amount in such event.
- Effective December 31, 2004, the reference to the use of female mortality tables in establishing the option factors for the joint and survivor annuity options was removed from the Plan.

The following changes have been made to the Plan in 2005 that affect benefit and actuarial calculations going forward:

- The employer contribution requirements were amended to allow for a phase in of the employer contribution rate to achieve the full annual required contribution rate by July 1, 2008.
- The actuarial reduction percentage for an Optional Early Retirement for members hired or rehired on or after July 1, 2005, or persons who become Affiliate members on or after July 1, 2005, will be 6% for each year the member is short of the full age or service eligibility requirements.
- For members who are hired or rehired on or after July 1, 2005, or persons who become Affiliate members on or after July 1, 2005, the Annual Retirement Allowance Adjustment (ARAA) was changed from the current 3.25% per year compounded to the lesser of 3% per year compounded or the increase in the national consumer price index for urban wage earners and clerical workers for the preceding year, compounded.
   The effective date for the ARAA will be March 1 of each year following the year of retirement.
- For members who are hired or rehired on or after July 1, 2005, or persons who become Affiliate members on or after July 1, 2005, the calculation of the first ARAA, effective in the year immediately following the year of retirement, will be calculated in a pro-rated manner based on the number of months retired.
- The interest assumption rate was changed to 8½%, and the wage inflation rate was changed to 4½%.

Much of the effort of the Board of Trustees and staff at DPSRS in 2004 was directed toward consummation of the merger of DPSRS into Colorado PERA authorized by legislation passed in 2003. That legislation contained a provision that DPS, DPSRS, or Colorado PERA could terminate the merger on or before July 1, 2004, without cause. Colorado PERA exercised its right under that provision and terminated the merger on June 29, 2004. New enabling legislation providing for merger on January 1, 2007, was introduced in the 2005 legislative session.

#### **Financial Information**

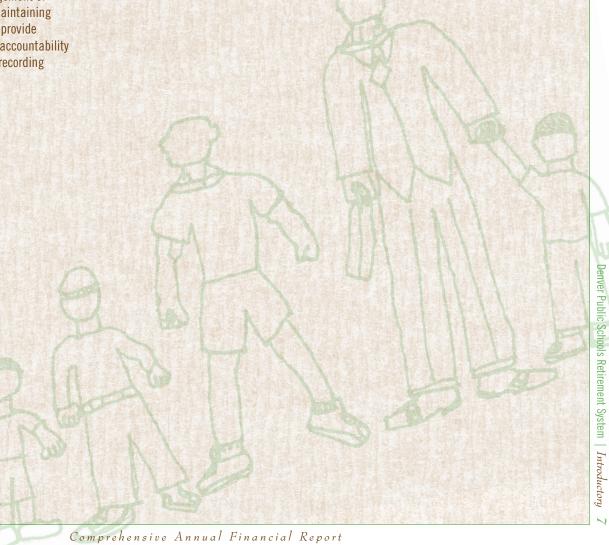
The financial statements and reporting are the responsibility of the System's management. The financial statements have been prepared in conformity with accounting principles generally accepted in the United States of America, and the System's auditor has so stated in its opinion. This CAFR was prepared to conform with the requirements of Governmental Accounting Standards Board (GASB) Statement No. 25, Financial Reporting for Defined Benefit Pension Plans and Note Disclosures for Defined Contribution Plans and GASB Statement No. 34, Basic Financial Statements and Management's Discussion and Analysis—for State and Local Governments.

In the opinion of the System's management, the financial information presented is accurate in all material respects, and presents fairly, the financial status at December 31, 2004. The management of the System is responsible for maintaining an internal control structure to provide reasonable assurance of asset accountability and the authorized and proper recording of transactions.

Adoption of GASB No. 34 has no monetary impact on the financial statements of DPSRS but does require additional disclosure. Additional financial information can be found in Management's Discussion and Analysis, which is included as required supplementary information and precedes the financial statements in the Financial Section of this report.

#### Mission Statement

The System exists in partnership with the District and its employees to provide career employees and their families with a primary source of lifetime income relative to service at retirement, disability or death, in a prudent, responsible and cost-effective manner.



#### **Funding**

There are several ways to appraise the funding condition of the System and progress toward the objective of preserving financial solvency. The employment of a qualified, independent actuary is essential to perform an actuarial review and valuation and to provide technical advice and assistance.

The System's actuary performs an annual actuarial review. In addition, the Plan requires an investigation of mortality and service experience at least once during each five-year period. In recent years, the experience analysis has been performed every three years. The most recent experience investigation was completed for the period January 1, 2001, through December 31, 2003.

An adequate funding level provides assurance and security for payment of future benefits. One measure of funding status is the Solvency Test shown on page 55. This test compares actuarial valuation assets to actuarial accrued liabilities categorized by active member contributions. liabilities for future benefits for present retirees and beneficiaries, and liabilities for service already performed by active members.

Another measure of funding progress is shown in the funding progress schedule on page 28. This historical schedule indicates the actuarial value of assets as a percentage of actuarial accrued liabilities. The current actuarial funded ratio of the System is 88.2%. This is consistent with 90.6% in the previous year due to investment returns in the current year. The System remains in a funded position sufficient to pay promised future benefits.

#### Investments and **Economic Overview**

Investment policies and objectives for the System have been designed to enable the investment program of the retirement system to facilitate the longterm accomplishment of the System's mission. The program emphasizes longterm total returns and performance, recognizing the impact of inflation on benefit levels. Risk exposure is controlled by broad diversification related to asset mix and careful selection and evaluation of specialized investment managers.

The U.S. economy and financial markets performed well in 2004. The U.S. equity markets, as measured by the Russell 3000 Index, showed a total return of 11.9% for 2004. The S&P 500 Index showed a total return of 10.9%. Bonds, as measured by the Lehman Brothers Aggregate Index, showed a modest 2004 return of 4.3%.

The System's diversified portfolio produced a total return of 12.7% for 2004, performing in the upper third of the DPSRS consultant's universe. Detailed investment performance results, policies, and strategies are presented by the Chief Investment Officer in the Investment Management section of this 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 System for its CAFR for the fiscal year ended December 31, 2003. This was the twelfth consecutive year that the System has achieved this prestigious award. In order to be awarded a Certificate of Achievement, a public employee retirement system must publish an easily readable and efficiently organized CAFR. This report must satisfy both generally accepted accounting principles and applicable legal requirements.

A Certificate of Achievement is valid for a period of one year only. We believe that our current CAFR continues to meet the Certificate of Achievement Program's requirements, and we are submitting it to the GFOA to determine its eligibility for another certificate.

#### **Acknowledgements**

The compilation of this report reflects the combined efforts of the staff of the Retirement Administration Office, the Accounting Office and the Office of Fund Investments. It is intended to provide comprehensive and reliable information as a basis for making management decisions, determining compliance with legal provisions and determining responsible stewardship for the assets contributed by the System's members and the District.

I would like to express my appreciation to the Board of Education, Board of Trustees, staff, consultants and all others who work to assure the successful administration, operation and financial soundness of the retirement plan. If you have questions about this report or need additional information, contact the DPSRS Retirement Office.



Robert J. Scott

Executive Director

Denver Public Schools Retirement System | Introductory

#### 2005 Board of Trustees



Andrew Raicevich Chairperson Retirees 2004-2008



**Kay Speer** *Vice-Chairperson*Pupil Contact
2003-2007



Ann Vogel Secretary Support Services 2001-2005



**Darrell Allen**Recognized Expert
Appointed



**Kathryn Doctor** Pupil Contact 2001-2005



**Donald Giseburt** Retirees 2003-2007



**Chrisanne LaHue** Pupil Contact 2001-2005



Andrew Raicevich, II Administrators/Pro-Tech 2004-2006



**Velma Rose**Board of Education
Appointed



**Gregg Torres**Support Services
2002-2006



Lester Woodward
Board of Education
Appointed

#### 2005 Board of Trustees ... continued



#### **Board of Trustees 2005**

Pictured left to right: Ann Vogel (Secretary), Velma Rose, Andrew Raicevich (Chairperson), Donald Giseburt, Robert Scott (Executive Director), Darrell Allen, Andrew Raicevich, II, Gregg Torres, Kathryn Doctor, Chrisanne LaHue, and Les Woodward. Not pictured: Kay Speer (Vice Chairperson)

#### 2005 Board of Education

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#### 1/1/2005 Board of Education

Lester Woodward Lucia Guzman Michelle Moss **Kevin Patterson** Elaine Gantz Berman

**Bruce Hovt** Theresa Pena

**Superintendent** Jerry Wartgow

#### ministrative Organization at January 1, 2005

**Board of Trustees** 

Robert J. Scott **Executive Director** 

Colleen Meier Mary Lee Lance

#### Information **Systems**

James Barley, Manager

Gary Alfred, Programmer/ Web Master

Pamela Kopp, Programmer/ Analyst

#### Retirement Administration

Judith K. Shimono, **Assistant Executive Director** 

John MacPherson **Communications** Director

Carole Maschka Supervising Benefit Analyst

Louise Crow Lucy Garrett Karen Hoisington Chervl Lankenau Patrick Naper

#### **Accounting**

Kipp Steinauer, Manager

Kristine Drewes, Senior Accountant

Gary Meier, Senior Accountant

**Judith Bailey** Mary Lou Longoria

#### **Fund Investments**

E. Albert Thomas, Chief Investment **Officer** 

Gary Ratliff, Assistant Investment Officer

Sheila Stratton

Denver Public Schools Retirement System | Introductory

#### Message From the Chairperson

In keeping with past practices and generally accepted reporting standards, as Chairperson of the Board of Trustees for the Denver Public Schools Retirement System, I am pleased to present the Comprehensive Annual Financial Report for our 59th year of operation, the year ended December 31, 2004. The report provides the reader with an in-depth review of the financial, actuarial and investment status of the System.

The actuarial report for 2004 indicates that the plan continues to be financially sound as a result of strong investment results during the year. A gradual increase in employer contributions is being made which will help further the financial soundness of the plan.

Much of the activity of the Board of Trustees and staff at DPSRS during 2004 again involved administrative and benefit changes needed for the proposed merger with the Public Employees' Retirement Association of Colorado (Colorado PERA). New enabling legislation has been presented to the legislature this year at the request of the DPS Board of Education. The Board of Trustees of DPSRS continues working to ensure that the merger only will take place if it is in the best interest of all active and retired members of DPSRS and to ensure that member interests are safeguarded properly. The target date for the merger is January 1, 2007.

The Board of Trustees of DPSRS is fortunate to have retained the services of Robert J. Scott as Executive Director as we continue to work toward merger with Colorado PERA. His sixteen years as Colorado PERA's Executive Director and seven years as Auditor for the State of Colorado provide us with excellent leadership and knowledge as we continue merger discussions with Colorado PERA.

In addition, the DPSRS staff has remained stable and continues to provide members the outstanding service we are accustomed to receiving. For the twelfth time in the past twelve years, the DPSRS has been awarded a Certificate of Achievement for Excellence in Financial Reporting for its *Comprehensive Annual Financial Report* for the Year Ended December 31, 2003. This certificate 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 achieve the highest standards in government accounting and financial reporting. This certificate is well deserved by the DPSRS staff.

In November 2004, a Board of Trustees election was held to fill the expired term of Lita Weinstein. The Administrative Supervisory/Pro-Tech employees elected Andrew Raicevich, II, to represent them for a two-year term. Mr. Raicevich, a nineteen-year employee of the Denver Public Schools, returns to the Board of Trustees having previously represented Support Service employees.

Andrew Raicevich was unopposed in his candidacy for his position on the Board and will continue to serve as a retiree representative for a four-year term.

The Board of Trustees also reelected Ann Vogel as Secretary, Kay Speer as Vice-Chairperson and Andrew Raicevich as Chairperson to serve as the Executive Committee of the Board of Trustees for 2005.

I hope you find the Annual Report informative and of value. The DPSRS Board of Trustees looks forward to our 60th year of service to retirees and employees of the Denver Public Schools.

Andrew A. Raicevich

Board of Trustees Chairperson

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# 2005 Board of Trustees Committee Assignments

#### **Executive Committee**

Andrew Raicevich Kay Speer Ann Vogel

#### **Disability Appeal Committee**

Chrisanne LaHue, Chairperson Kathryn Doctor Gregg Torres Ann Vogel

#### **Audit Committee**

Les Woodward, Chairperson Chrisanne LaHue Andrew Raicevich Andrew Raicevich, II Velma Rose

#### **Ad-Hoc Election Committee**

Gregg Torres, Chairperson Andrew Raicevich, II Kay Speer Ann Vogel Les Woodward

#### **Investment Committee**

Velma Rose, Chairperson Darrell Allen Kathryn Doctor Donald Giseburt Gregg Torres

# 2004 Primary Consultants

#### **Actuarial Services**

Gabriel, Roeder, Smith & Company One Towne Square Suite 800 Southfield, MI 48076

#### **Computer Services**

Alfred Munksgard & Associates 3617 Thousand Oaks Boulevard Suite 120 Thousand Oaks, CA 91320

Hewlett Packard PO Box 101149 Atlanta, GA 30392-1149

#### **Independent Auditors**

KPMG LLP 707 Seventeenth Street Suite 2700 Denver, CO 80202

#### **Investment Services**

Hewitt Investment Group 100 Half Day Road Lincolnshire, IL 60069

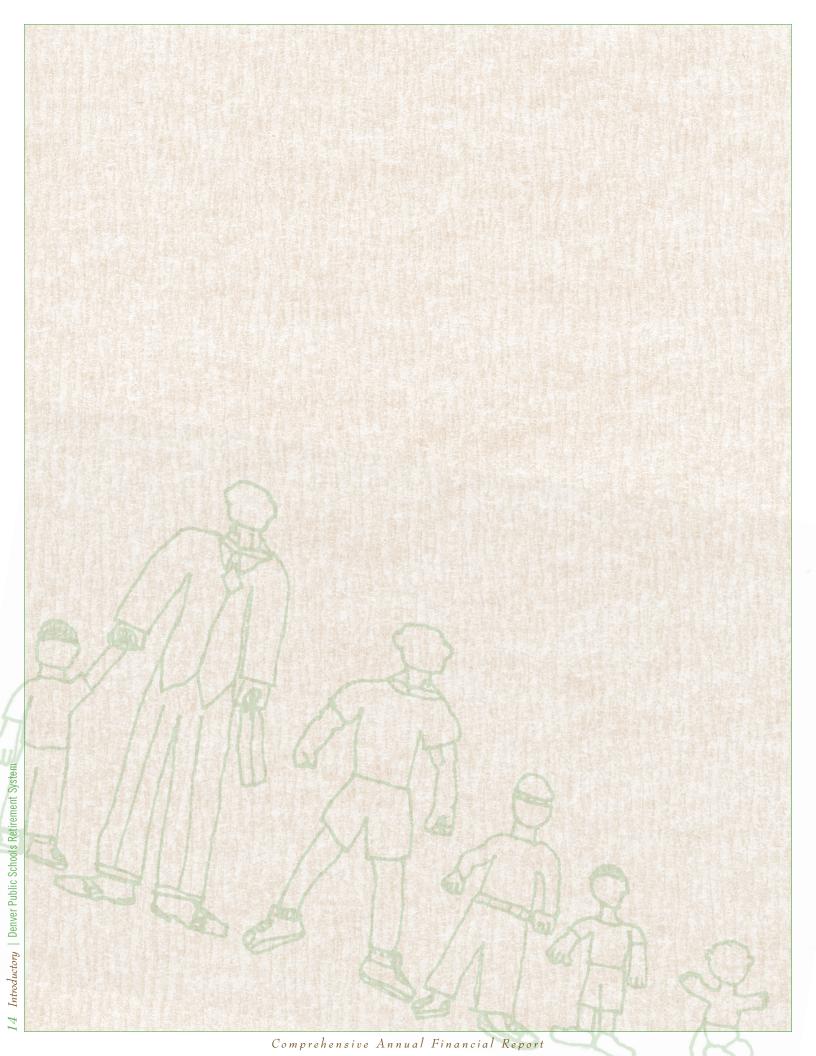
#### Master Custodian

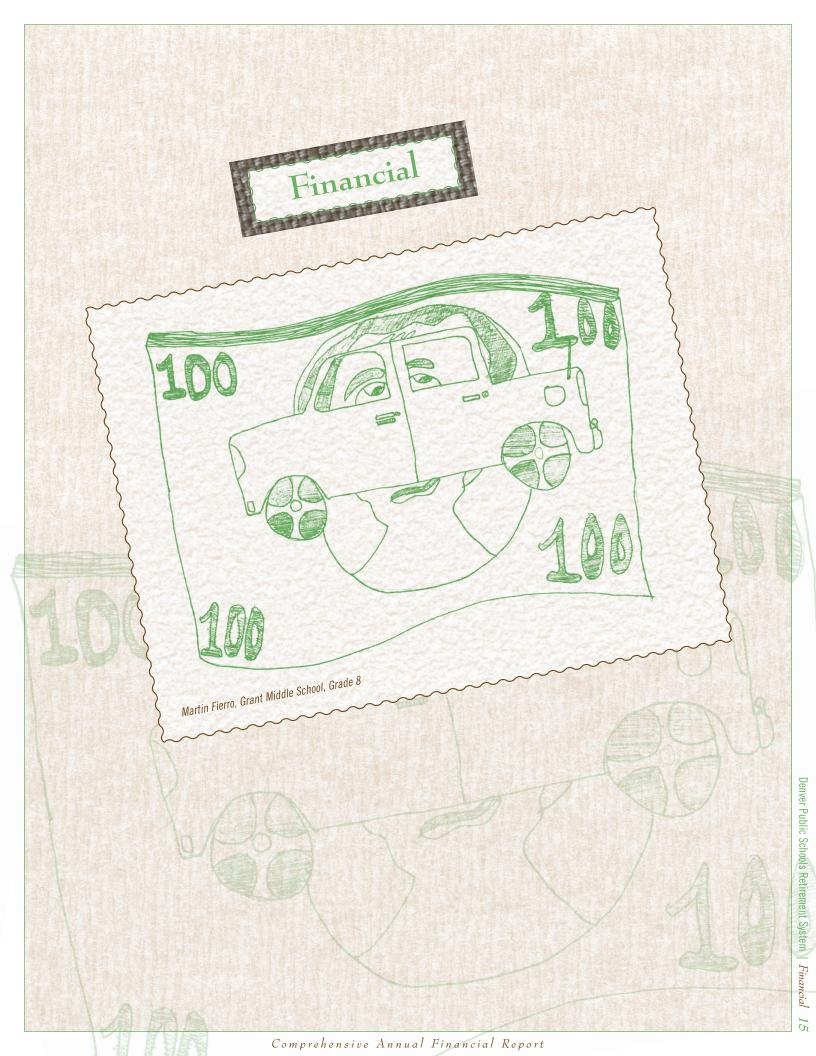
The Northern Trust Company 50 South LaSalle Street Chicago, IL 60675

#### **Legal Services**

Cockrell, Quinn & Creighton 1700 Broadway #1516 Denver, CO 80290-1501

Otten, Johnson, Robinson,
Neff & Ragonetti, PC
1600 Colorado National Bank Building
950 17th Street
Denver, CO 80202





#### Independent Auditors' Report



KPMG LLP Suite 2700 707 Seventeenth Street Denver, CO 80202

#### **Independent Auditors' Report**

The Board of Education of School District No. 1 in the City and County of Denver and State of Colorado and the Board of Trustees of the Denver Public Schools Retirement System:

We have audited the accompanying statements of fiduciary net assets of the Denver Public Schools Retirement System (System) as of December 31, 2004 and 2003, and the related statements of changes in fiduciary net assets for the years then ended. These financial statements are the responsibility of the System's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the System's internal control over financial reporting. Accordingly, we express no such opinion. An audit 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 audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the fiduciary net assets of the System as of December 31, 2004 and 2003, and the changes in fiduciary net assets for the years then ended in conformity with accounting principles generally accepted in the United States of America.

The Management's Discussion and Analysis and required supplementary information included in the schedules of funding progress and employer contributions, and notes thereto, are not a required part of the basic financial statements, but are supplementary information required by accounting principles generally accepted in the United States of America. 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 audits were made for the purpose of forming and opinion on the basic financial statements taken as a whole. The supplementary information included in the additional supporting schedules is presented for purposes of additional analysis and is not a required part of the basic financial statements. Such information has been subjected to the auditing procedures applied in the audits of the basic financial statements and, in our opinion, is fairly stated, in all material respects, in relation to the basic financial statements taken as a whole.

KPMG LLP

Denver, Colorado March 25, 2005

KPMG LLP, a U.S. limited liability partnership, is the U.S. member firm of KPMG International, a Swiss cooperative.

#### Management's Discussion and Analysis

December 31, 2004 and 2003

Anagement is pleased to present this discussion and analysis of the financial activities of the System as of and for the years ended December 31, 2004 and 2003.

The System administers the retirement plan for eligible, covered employees and retirees of the District. All assets of the plan are invested in a single trust fund. The sole purpose of the fund is to pay for benefit promises made to retired and active members of the System.

#### Overview of the Financial Statements

The Management's Discussion and Analysis is intended to serve as an introduction to the financial statements. The financial section consists of the basic financial

statements and other supplementary information and schedules.

Two financial statements are presented for the System. The Statements of Fiduciary Net Assets present the net assets held in trust for pension benefits at a given point in time. The Statements of Changes in Fiduciary Net Assets indicate the additions and deductions to the plan assets during the specified periods.

The Notes to the Financial Statements provide essential information for understanding the data provided in the financial statements by providing information about the description of the plan, significant accounting policies, investment assets and liabilities, contributions, and benefit enhancements.

The Required Supplementary Information includes two schedules and related notes. The Schedule of Funding Progress provides historical trend information about the actuarially determined funded status of the plan. The Schedule of Employer Contributions provides historical trend information about the annual required contributions (ARC) of the District and the contributions made by the District in relation to the ARC.

Additional Supporting Schedules include the Schedules of Administrative Expenses, the Schedule of Investment Expenses, and the Schedule of Payments to Consultants. These schedules provide additional analysis of the information provided in the financial statements.

# Condensed Financial Information Fiduciary Net Assets at December 31:

#### **Assets**

Cash and short-term investments Investments, at fair value Receivables Prepaid expenses Capital assets, net Securities lending collateral

**Total assets** 

#### Liabilities

Investment settlements
and other liabilities
Securities lending obligations
Total liabilities

Net assets

			2004	2003
2004	2003	2002	% Change	% Change
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\$ 107,612,418	\$ 116,276,464	\$ 117,824,283	(7.5)%	(1.3)%
2,524,945,926	2,410,948,800	2,065,442,033	4.7 %	16.7 %
10,860,808	11,535,583	14,997,592	(5.9)%	(23.1)%
674,110	490,479	883,143	37.4 %	(44.5)%
109,988	155,807	204,796	(29.4)%	(23.9)%
298,017,707	184,990,477	142,715,941	61.1 %	29.6 %
2,942,220,957	2,724,397,610	2,342,067,788	8.0 %	16.3 %
88,271,882	135,862,242	130,272,661	(35.0)%	4.3 %
298,017,707	184,990,477	142,715,941	61.1 %	29.6 %
386,289,589	320,852,719	272,988,602	20.4 %	17.5 %
\$ 2,555,931,368	\$ 2,403,544,891	\$ 2,069,079,186	6.3 %	16.2 %

#### Management's Discussion and Analysis ... continued

#### **Changes in Fiduciary Net Assets**

	2004	2003	2002	2004 % Change	2003 % Change
Additions (reductions)					
Employer contributions	\$ 21,142,815	\$ 13,023,157	\$ 9,473,361	62.4 %	37.5 %
Member contributions	25,992,388	32,665,945	28,275,170	(20.4)%	15.5 %
Net investment income (loss)	278,447,116	449,742,992	(166,488,447)	(38.1)%	370.1 %
Total additions (reductions)	325,582,319	495,432,094	(128,739,916)	(34.3)%	484.8 %
Deductions					
Benefit payments	(163,473,489)	(152,838,651)	(143,604,377)	7.0 %	6.4 %
Refunds	(6,154,132)	(4,893,891)	(3,346,228)	25.8 %	46.3 %
Administrative expenses	(3,568,221)	(3,233,847)	(2,301,329)	10.3 %	40.5 %
Total deductions	(173,195,842)	(160,966,389)	(149,251,934)	7.6 %	7.9 %
Changes in net assets	\$ 152,386,477	\$ 334,465,705	\$ (277,991,850)	(54.4)%	220.3 %
					101 to 112 to 18 to 1

#### **Financial Highlights and Analyses**

The funding objective of DPSRS is to meet long-term benefit obligations. To meet this objective, it is necessary that adequate funding be provided from employer contributions at recommended levels, expressed as a percentage of active member payroll, and investment income at or above assumed rates of return.

Net assets represent the amount available to pay promised benefits. At December 31, 2004, the net assets of the plan increased 6.3% to \$2,555,931,368 from \$2,403,544,891 at December 31, 2003. The 2004 increase was less than the 16.2% increase in 2003 primarily due to lower market gains in 2004 compared with 2003. A comparison of annual composite investment returns is shown below.

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		23	г.				

Returns	1 year	3 year	5 year	10 year
2004	12.7 %	9.6 %	6.3%	11.5%
2003	23.1 %	5.4 %	7.5%	10.2%
2002	(5.2)%	(0.8)%	5.8%	9.2%

The Board of Trustees has responsibility for the investment of plan assets. Plan assets are invested according to the *Statement of Investment Objectives and Policies* (SIOP) approved by the Board of Trustees. The SIOP sets forth the strategic asset allocation target guidelines. Each strategic asset class has an optimal target with high and low ranges. In measuring the progress in reaching the targets, net cash and debt in managed accounts are included. Investments in all asset classes are within acceptable ranges for 2004 and 2003.

	2004	2003	2002	
Asset class	Actual	Actual	Actual	Target
Domestic stocks	38%	36%	27%	32%
International stocks	20%	18%	14%	17%
Fixed income	29%	32%	42%	36%
Equity real estate	9%	9%	11%	10%
Alternative assets	3%	4%	4%	5%
Cash and				
short-term investments	1%	1%	2%	0%

The progress in accumulating sufficient assets to meet the long-term benefit obligations is measured in terms of the funded status or the funded ratio of the plan. The funded ratio is the actuarial value of assets expressed as a percentage of the actuarial accrued liability. The funding policy is the method to provide benefits specified by the Plan through the amounts and timing of contributions from the employers and the members. The excess of the actuarial accrued liability over the actuarial value of assets is the unfunded actuarial accrued liability or UAAL. The actuarial value of assets differs from the year-end fair value of plan net assets by smoothing the effects of market fluctuations. In the calculation of the actuarial value of assets, 20% of the excess of the fair value of plan assets over the expected actuarial value of assets is included in the actuarial value of assets. The smoothing method lessens the need to adjust the contribution rates based on the volatility in market conditions. During extended periods of market declines the plan net assets usually will be less than the actuarial value of assets. The effect of the market declines for the years 2000 through 2002 are reflected in the difference between the actuarial value of assets and the plan net assets. Plan net assets increased \$152.4 million. In comparison, the actuarial value of assets increased \$79.8 million.

#### Management's Discussion and Analysis ... continued

	2004	2003	2002
Funded ratio	88.2%	90.6%	90.9%
(\$Thousands)	2004	2003	2002
Actuarial	<u>K</u>		
accrued liability	\$ 2,960,990	\$ 2,793,788	\$ 2,712,293
Actuarial asset value	2,611,524	2,531,746	2,465,049
UAAL	349,466	262,042	247,244
Plan net assets	2,555,931	2,403,545	2,069,079

The actuarial accrued liability increased \$167.2 million or 6% from 2003 to \$2.96 billion primarily due to changes in economic assumptions and under funding of employer contributions. The assumed investment rate of return was changed to 8.50% from 8.75%. The employer funding policy rate for employer contributions has lagged behind the actuarially recommended contribution rate for the past three years. Unless the funding policy provides for funding at the recommended levels, it is likely the funded status of the plan will continue to decline in future years. Effective July 1, 2005, the employer contribution rate will increase from 8.12% to 9.48% of covered payroll as part of a funding policy change to adopt the recommended employer contribution rate over a 4-year period. In addition, several benefit changes were adopted effective in 2005 to reduce future benefit obligations for new members. The employer contribution rate, as of July 1 for each year, is shown below.

Beginning July 1,	2004	2003	2002
Recommended	12.64%	8.83%	8.51%
Actual	8.12%	4.98%	2.90%

A required disclosure in the financial statements is a schedule of employer contributions. The purpose of this schedule is to provide information about the annual required contributions or ARC compared to the employer contributions or funding policy. The ARC is the amount required to cover the normal pension cost and includes a provision for amortizing the UAAL. The UAAL is amortized over a 30-year period. Changes in the employer contribution rate are effective July 1 each year; therefore, the ARC and employer funding policy rates are expressed as blended rates or the average of the employer contribution rates for the year.

Blended rates	2004	2003	2002
ARC	10.74%	8.67%	5.71%
Funding policy	6.55%	3.94%	2.90%

Employer contributions increased 62.4% from 2003 primarily due to the increase in the employer contribution rate from 4.98% to 8.12%, effective July 1, 2004. The increase in the employer contribution rate to 8.12% is significantly less than the recommended rate of 12.64%. Employer contributions in 2004 were approximately 61% of the ARC compared with 45% in 2003.

	2004	2003	2002
Employer			
contributions	\$ 21,142,815	\$ 13,023,157	\$ 9,473,361

Member contributions consist of normal 8% contributions, payments to qualify prior District service, and purchase of non-covered employment. Total contributions from members decreased 20.4% from 2003. Normal contributions and contributions for prior service decreased 2.9% primarily due to a 2.0% decrease in the number of contributing members from 2003. The number of contributing members has declined 6.9% since 2002 following an increase of 7.1% from 2000 through 2002. Purchase of non-covered employment decreased 91.7% primarily due to an increase in the purchase cost from 25% to 34% of highest average salary, effective January 1, 2004.

	2004	2003	2002
Contributing			
members	7,192	7,339	7,722

Member contributions	2004	2003	2002
Normal	\$ 24,921,523	\$ 25,590,277	\$ 24,889,799
Prior service	533,800	611,793	957,401
Non-covered employment	537,065	6,463,875	2,427,970

Benefit payments increased 7.0% in 2004 compared to 6.4% in 2003. The increase is a result of a 3.0% increase in the number of benefit recipients compared to a 1.6% increase in 2003, the annual benefit increase of 3.25%, and a significant change in the mortality tables used in the calculation of benefits effective December 31, 2004. The effect of the change in the mortality tables was a reduction in the amount of the annual benefit for certain retirement options and resulted in an increase in retirements.

	2004	2003	2002
Benefit recipients	5,869	5,699	5,610

Administrative expenses increased 10.3% in 2004 compared to an increase of 40.5% in 2003. At .14% of net assets, the administrative costs of the System remained comparable to .13% of net assets in 2003. The increases in 2004 and 2003 primarily are due to the proposed merger of the System into the Public Employees' Retirement Association of Colorado (Colorado PERA), effective January 1, 2005. The proposed merger was terminated in 2004.

Subsequent to December 31, 2004, legislation was introduced in the Colorado Legislature to authorize a merger of the two retirement systems effective January 1, 2007. Should the proposed merger occur, administrative expenses will increase significantly in 2005 and 2006.

#### **Basic Financial Statements**

#### **Statements of Fiduciary Net Assets**

As of December 31, 2004 and 2003

	2004	2003
Assets		
Cash and short-term investments	\$ 107,612,418	\$ 116,276,464
Receivables		
Accrued interest and dividends	5,737,258	5,700,485
Contributions	1,256,403	1,251,788
Investment settlements	103,247	803,458
Other Other	3,763,900	3,779,852
Total receivables	10,860,808	11,535,583
Investments, at fair value		
Domestic stocks	950,333,340	859,416,125
International stocks	496,898,036	427,988,923
Alternative assets	89,997,203	92,607,906
Corporate securities	286,261,759	284,045,093
Government securities	238,330,612	245,873,170
Mortgage investments	201,930,350	248,591,834
Equity real estate	261,194,626	252,425,749
Securities lending collateral	298,017,707	184,990,477
Total investments	2,822,963,633	2,595,939,277
Prepaid expenses	674,110	490,479
Capital assets, at cost, net of accumulated		
depreciation of \$814,508 (\$887,111 in 2003)	109,988	155,807
Total assets Total assets	2,942,220,957	2,724,397,610
Liabilities		
Accounts payable and accrued expenses	8,780,410	7,654,054
Mortgages payable	32,718,773	32,718,773
Investment settlements	46,772,699	95,489,415
Securities lending obligations	298,017,707	184,990,477
Coouries ionang obligations	100000000000000000000000000000000000000	320,852,719

See accompanying notes to financial statements.

# Denver Public Schools Retirement System | Financial

#### Basic Financial Statements ... continued

#### **Statements of Changes in Fiduciary Net Assets**

For the Years Ended December 31, 2004 and 2003

	2004	2003
Additions		
Contributions		
Employer	\$ 21,142,815	\$ 13,023,157
Member	25,992,388	32,665,945
Total contributions	47,135,203	45,689,102
Investment income		
Interest 1997 April 19	40,771,786	44,790,706
Net appreciation in fair value of investments	218,322,287	394,615,067
Dividends Dividends	19,038,822	14,859,373
Equity real estate	14,522,947	17,861,790
Alternative assets	(6,319,407)	(15,438,566)
Securities lending	3,363,983	2,056,777
Other	363,427	359,847
Total investment income	290,063,845	459,104,994
Investment expense	(8,766,108)	(7,728,136)
Securities lending expense	(2,850,621)	(1,633,866)
Net investment income	278,447,116	449,742,992
Total additions	325,582,319	495,432,094
<b>Deductions</b>		
Benefits paid to regular retirees	(156,551,097)	(146,197,007)
Benefits paid to disability retirees	(5,582,568)	(5,302,929)
Benefits paid to survivors	(1,339,824)	(1,338,715)
Refunds of contributions	(6,154,132)	(4,893,891)
Administrative expenses	(3,568,221)	(3,233,847)
Total deductions	(173,195,842)	(160,966,389)
Net increase in net assets	152,386,477	334,465,705
Net assets held in trust for pension benefits		
Beginning of year	2,403,544,891	2,069,079,186
End of year	\$ 2,555,931,368	\$ 2,403,544,891

See accompanying notes to financial statements.

#### **Notes to Financial Statements**

December 31, 2004 and 2003

(1) Description of the Plan

The Board of Education of School District No. 1 in the City and County of Denver and State of Colorado established the System on December 1, 1945, which is a cost-sharing, multiple-employer defined benefit pension plan under Colorado law. The Board of Education adopted the Retirement and Benefit Plan, as amended, to provide defined retirement, death and disability benefits to

participating members. Participation in the retirement plan is mandatory for all full-time employees of the School District hired after December 1, 1945, and of the System, and of Charter Schools within the School District, established under the Colorado Charter Schools Act of 1993.

The Board of Trustees (Board) is an 11-member body with the exclusive authority to invest and manage the assets of the System, pay benefits, and otherwise administer the System. The Board is composed of 6 elected active and 2 elected retired members of the System, 2 members appointed by the Board of Education of the School District, and 1 member, appointed by the other Board members, with expertise in pension administration or in investment matters.

At December 31, 2004 and 2003, the System's membership consisted of the following:

	2004	2003
Retirees and beneficiaries currently receiving benefits	5,869	5,699
Terminated members entitled to benefits but not yet receiving them	276	219
Current employees Vested Nonvested	4,362 2,861	4,407 2,932
Total membership	13,368	13,257

The Plan provides an Annual Retirement Allowance Adjustment (ARAA) increase in retired members' benefits. The annual percentage increase for each member is 3.25% of the member's retirement allowance.

If a member resigns prior to retirement, the member is entitled to a refund of accumulated member contributions, which includes interest. Member accounts are credited with interest on the last day of each month based upon the member's balance as of the beginning of that month. The following is a table of the interest rates applied to member accounts:

December 31,	Rate
1986 and prior years	3%
1987 through 1990	9%
1991 through present	5%

Terminating members, electing to leave their accumulated contributions in the System, are eligible for deferred retirement provided they have a minimum of 5 years of service.

Employees who have attained either age 55 with a minimum of 25 years of civilian

service in a tax-supported institution, of which 15 years must have been service qualified with the District, or age 65 with at least 5 years of earned service, or age 50 with at least 30 years of earned service, are entitled to regular retirement benefits. Employees who meet the above criteria at retirement are entitled to regular retirement benefits, payable monthly for life, in an amount equal to 2.50% of their monthly highest average salary (HAS) for each year of earned service to the date of retirement. The monthly HAS is defined as the average of the highest 36 months

of compensation earned by the employee throughout employment with the District or career average salary, whichever is greater.

Beyond each full year of service, any full month(s) of service are credited proportionally. Optional early retirement with a reduction of benefits may be elected by a member at an age younger than 55 with 25 years of District service or at age 55 or beyond with 15 years of District service. The benefit reduces by 4% for each year of age or service the member lacks in fulfilling the minimum requirements for a regular retirement.

The Plan also provides for a disability retirement. Members with 5 or more years of earned service, who become permanently incapacitated from performing their duties, are eligible for disability retirement. The amount of the disability benefit is calculated in the same manner as for a regular retirement under the provisions of a single life annuity. Members with at least 25 years

of earned and outside service at the date of retirement can elect at age 55 (age 50 with 30 years of earned service) to recalculate their benefits as a regular retirement. Otherwise, recalculation of a disability retirement occurs at age 65. Beginning with 1999 and under prescribed circumstances, disability retirees with fewer than 25 years of service can apply to qualify full years after retirement to be used when their disability benefits are recalculated to regular retirement benefits. The maximum number of earned and additional qualified years cannot exceed 25 at the date of recalculation, unless the total number of years of earned service at the effective date of disability retirement exceeds 25, in which case such number of years is used to compute the recalculated benefit.

Liquidation of the System can be initiated by either the Board of Education or by vote of the members. In the event of liquidation, the assets would be distributed as specified in the Plan.

#### **Reporting Entity**

The Board is responsible for the general operations and fiscal matters of the System. These responsibilities include the ability to designate management, select the System's independent actuary and auditor, and determine investment policies.

The System is a body corporate and an instrumentality of the School District; it is not an agency of the School District. In addition, the System is not subject to administrative direction by the School District, and the assets of the System are not available to the School District. Accordingly, the financial statements of the System are not included in the financial statements of the School District or any other organization.

### Pension Plan Disclosure for System Employees

The employees of the System are members of the plan and earn and accrue benefits as would any other member as described above. The System's employer contributions were \$93,773 and \$51,832 for the years ending December 31, 2004 and 2003, respectively. In addition, the System contributed \$158,557 and \$134,404, for the same periods, for the cost of the pension certificates of participation issued by the District on July 17, 1997.

# (2) Significant Accounting Policies

### Basis of Accounting and Presentation

The financial statements of the System are prepared using the economic resources measurement focus and the accrual basis of accounting. Investment income is recorded when it is earned. Expenses are recorded when liabilities are incurred. Member and employer contributions are recorded in the period in which the contributions are due. Benefit and refund payments are recorded in the period in which the liabilities are due and payable.

The financial statements are presented in accordance with GASB Statement Nos. 25, 28, 34, and 37, and generally accepted accounting principles that apply to governmental accounting for fiduciary funds.

In March 2003, GASB issued Statement No. 40, *Deposit and Investment Risk Disclosures*. Statement No. 40 is an amendment to GASB Statement No. 3 and is effective for periods beginning after June 15, 2004. The System has chosen not to early adopt this Statement.

#### Investments

System investments are presented at fair value or estimated fair value. Securities traded on a national or international exchange are valued at the last reported sales price. Securities traded over-thecounter are valued at the last bid price. The values of corporate and government securities are based on comparable securities with similar yield and risk factors. The System's equity in real estate investments are stated at estimated fair value at the date of the financial statements. Generally, this value is determined periodically (usually annually) by the advisor or independent appraisers or more frequently if management of the applicable funds has determined that there has been a significant change in the economic circumstances related to the investment. The fair values of mortgage investments are based upon current interest rates and prepayment assumptions. The value of alternative assets generally remains at cost until a significant event results in an increase or decrease in fair value.

For the purpose of determining realized gains and losses, the costs of corporate stocks are calculated on the average cost basis. The costs of all other investments are determined based on specific identification.

#### **Derivative Financial Instruments**

The System invests in derivative financial instruments as authorized in the SIOP of the System. As of December 31, 2004 and 2003, the System had derivative financial instruments with off-balance sheet risk including options, futures, interest rate swaps, and credit default swaps. The System invests in derivative financial instruments principally for yield curve and interest rate risk management.

Option contracts convey rights between contracting parties to buy or sell the underlying securities. The owner of a call option has the right to purchase the security, and the owner of a put option has the right to sell the security. The System buys and

sells option contracts actively traded on major exchanges. As of December 31, the fair value of the option contracts was \$(38,347) in 2004 and \$(187,895) in 2003.

Futures contracts represent commitments to purchase or sell securities at a future

date and at a specified price. Futures are exchange traded, and the exchange assumes the risk of nonperformance by a counterparty.

Interest rate swaps represent contractual agreements between counterparties to exchange interest rate cash flows for a specified period and based upon notional amounts. One of the counterparties is obligated to make a net cash settlement at the maturity of the contract. The System is exposed to credit risk in the event of nonperformance of the counterparty to the contract. As of December 31, the fair value of these contracts was \$135,777 in 2004 and \$(86,554) in 2003.

As of December 31, 2004 and 2003, the System had investments in the following derivative financial instruments. The contract or notional amounts do not represent the exposure to market loss.

government securities or irrevocable letters of credit, for the loaned securities equal to 102% and 105% of the market value, plus accrued income, of domestic and global securities, respectively. Collateral is marked to market daily with additional collateral required when the value of the collateral falls below the minimum requirements. The System retains all beneficial rights to the loaned securities except for the ability to vote proxies.

NTC invests cash collateral in a short-term investment pool or in separate term loans with maturities equal to the terms of the security loans. These loans can be terminated on demand by either lender or borrower. Noncash collateral cannot be pledged or sold

unless the borrower defaults on the loan agreement. A portion of the earnings on the invested collateral is rebated to the borrower in accordance with the agreement between NTC and the borrower.

	2004		2003		
		Contract or		<b>Contract or</b>	
Description	Contracts	<b>Notional Value</b>	Contracts	<b>Notional Value</b>	
Long fixed income futures	426	\$ 239,001,563	97	\$ 9,981,422	
Short fixed income futures	225	(25,200,563)	68	(7,590,500)	
Interest rate swaps	6	-	10	-	
Credit default swaps	18	-	16	-	
Swaption put	1	(2,500,000)	1	(4,200,000)	
Short put options	49	(5,489,913)	1,254	(17,934,125)	
Short call options	155	(17,344,084)	192	(21,371,903)	
Long put options	30	3,356,109	-	-	
Long call options	28	28,000,000	1,100	1,100,000	

#### Securities Lending Collateral and Obligations

The System participates in a securities lending program in accordance with the provisions of a contract between the System (lender) and its custodial agent, The Northern Trust Company (NTC). NTC, acting as the lending agent, loans equity, fixed income, and short-term securities to independent brokers and dealers (borrower). The borrower exchanges collateral, in the form of cash,

The System receives revenue from the loaned securities, less the borrower rebate and loan fees or premiums and NTC lending fees. The lending fees are 35% of the loan premium for government securities and for U.S. corporate and global securities.

# Denver Public Schools Retirement System | Financial

#### Notes to Financial Statements ... continued

There were no significant violations of legal or contractual provisions, no borrower or lending agent default losses known to the securities lending agent and no dividend or coupon payments owing on the loaned securities as of December 31, 2004 and 2003.

NTC provides loss indemnification to the extent NTC performs appropriate borrower and collateral investment credit analyses, by demanding adequate types and levels of collateral and complying with applicable Department of Labor and Federal Financial Institutions Examination Council regulations concerning securities lending. The System had no credit risk exposure at December 31, 2004 and 2003, because the amount the System owed the borrowers exceeded the amount the borrowers owed the System.

As of December 31, 2004, the fair value of loaned securities was \$291,635,411 (\$179,890,378 in 2003). The fair value of the associated collateral was \$298,017,707 (\$184,990,477 in 2003). Security lending income, net of borrower rebates and lending fees, was \$513,362 for the year ended December 31, 2004 (\$422,911 in 2003).

#### **Federal Income Tax Status**

The System is qualified under Internal Revenue Code (IRC) Section 401(a). The System is a governmental plan as described in IRC Section 414(d). It therefore, is exempt from federal income taxation under IRC Section 501(c)(25)(C)(ii).

#### **Capital Assets**

Capital assets are recorded at cost, less accumulated depreciation. Costs of major additions and improvements are capitalized. Expenses for maintenance and repairs are charged as deductions as incurred. Depreciation is calculated using the straight-line method based on estimated useful lives of four and five years.

### Compensated Absences of System Staff

The policy for compensated absences was changed in 2003. Sick and personal leave and vacation allowances were combined into paid leave. Accumulated paid leave is payable upon termination or retirement and based upon the rate of pay at termination or retirement. At December 31, 2004, the liability for accumulated paid leave was \$556,179 (\$421,740 in 2003).

#### **Risk Management**

The System is exposed to various risks related to theft, damage, and destruction of assets, errors and omissions, injuries to employees and court challenges to fiduciary decisions. To insure against such risks of losses, the System carries policies of fiduciary liability insurance, general liability insurance, property insurance, and a crime/fidelity bond. Employees of the System receive health, life, and dental insurance coverage under the policies of the School District. There have been no insurance claims against the System for the past three years.

#### **Use of Estimates**

Preparation of the financial statements, in conformity with accounting principles generally accepted in the United States of America, requires that management make certain estimates and assumptions. These estimates and assumptions affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and the reported amounts of additions and deductions during the reporting period. Actual results could differ significantly from these estimates.

#### (3) Investments

#### **Investment Authority**

The System is authorized to invest in a broad array of investments as described in the SIOP, dated December 6, 2004. These include, but are not limited to the following:

- Equity securities, both domestic and international, of publicly traded companies and related derivative securities
- Fixed income securities and related derivative securities
- Equity and debt investments in income-producing real estate
- Alternative assets including private (not publicly traded) equity or debt investments
- Short-term investment funds with the custodian bank

#### **Concentrations of Credit Risk**

The System's overall investment policy emphasizes total return, which includes current income and capital growth.

Mortgage investments represent investments in real estate loans collateralized by the related properties, mortgage participation certificates, mortgage participation funds, and commercial mortgage-backed securities.

Investments in corporate stocks and bonds are diversified by: (1) geographic area primarily within the United States for bonds and worldwide for corporate stocks, (2) industry group and (3) sensitivity to general economic cycles. Generally, these investments represent non-collateralized ownership in, or lending to, publicly held corporations traded on domestic and international markets.

U.S. government securities are composed of securities with varying maturities and interest rates and are backed by the full faith and credit of the U.S. government. The above limitations and the System's diversification over several asset classes are intended to reduce the overall investment risk exposure.

#### **Cash and Short-Term Investments**

The carrying amount of the System's cash deposits at December 31, 2004, was \$209,094, and the bank balance was \$699,751 (\$862,317 and \$1,516,110 in 2003, respectively). Of the bank balances at December 31, 2004, and 2003, \$100,000 is covered by federal depository insurance and \$599,751 (\$1,416,110 in 2003) is covered by the provisions of the Colorado Public Deposit Protection Act and is collateralized in single institution pools with securities held by the pledging institution's trust department or agent, but not in the System's name. The following table summarizes the fair value of cash and short-term investments held by the System as of December 31.

	2004	2003
General operating bank accounts	\$ 209,094	\$ 862,317
Short-term government securities (registered securities, held by the System's agent in the System's name)	37,223,033	19,339,257
Variable money market accounts with custodial bank (fully collateralized by the underlying securities, held by the System's agent in the System's name)	70,180,291	96,074,890
	70,100,231	30,074,030
Total cash and short-term investments	\$ 107,612,418	\$ 116,276,464

#### **Investment Categorization**

The following table presents the System's investments at December 31, 2004 and 2003, categorized to give an indication of the level of risk assumed by the System. The categories are:

- 1. Insured or registered investments or securities held by the System or its agent in the System's name.
- 2. Uninsured or unregistered investments, with securities held by the counterparty's trust department or agent in the System's name.
- 3. Uninsured and unregistered investments, with securities held by the counterparty in the System's name or held by the counterparty's trust department or agent but not in the System's name.

Investments not evidenced by securities are not categorized.

	2004	2003
Investments – category 1		
Corporate securities	\$ 286,261,759	\$ 284,045,093
Government securities	238,330,612	245,873,170
Domestic stocks	609,571,208	524,137,119
International stocks	90,569	118,664,554
Total category 1 investments	1,134,254,148	1,172,719,936
Investments not subject to credit risk	classification	
Mortgage investments	201,930,350	248,591,834
International stock funds	496,807,467	309,324,369
Equity real estate	261,194,626	252,425,749
Domestic stock funds	340,762,132	335,279,006
Alternative asset funds	89,997,203	92,607,906
Securities lending collateral	298,017,707	184,990,477
Total investments not categorized	1,688,709,485	1,423,219,341
Total investments	\$ 2,822,963,633	\$ 2,595,939,277

General operating bank accounts are maintained at Wells Fargo Bank, Denver, Colorado. Variable money market funds and short-term fixed rate securities are invested with The Northern Trust Company, Chicago, Illinois.

#### (4) Contributions

Employer contributions are based on the funding policy required by Plan provisions. The employer contribution rate is fixed at 2.90% of covered salary for the period from July 1, 2000, through June 30, 2010. Should unfunded actuarial accrued liabilities accumulate during this period, the employer contribution rate each year will increase by the amount required to amortize the UAAL over 30 years. The actuary of the System issues an annual report as of January 1 of each year. The School District adopts changes in the employer contribution rates for its fiscal year beginning 18 months after the date of the annual actuarial valuation report.

Members are required to contribute 8% of gross covered salary to the System. These contributions are recorded in separate member accounts. Member contributions are tax-deferred for federal and state income tax purposes.

In accordance with funding policy, the District made contributions to the System totaling \$21,142,815 at 6.55% of current covered payroll (\$13,023,157 at 3.94% in 2003). The ARC was 8.83% for the period January 1, 2004 through June 30, 2004 (8.51% for 2003), and 12.64% for the period July 1, 2004 through December 31, 2004 (8.83% for 2003). Member contributions totaled \$25,992,388 and \$32,665,945 for 2004 and 2003, respectively.

#### (5) Future Benefit Enhancements

Created in 1991, the Reserve for Future Benefit Enhancements (FBE) serves as an account within the System Retirement Trust Fund (SRTF) designated to provide for the payment of future improvements in Plan benefits. This account is funded annually in accordance with prescribed guidelines set forth in the Plan. The balance in the FBE is a component of net assets held in trust for pension benefits but is excluded from the computation of the actuarial accrued liability of the System. The balance in the FBE at December 31, 2004 and 2003, was \$0.

#### (6) Mortgages Payable

The System obtained mortgage loans on four commercial office buildings owned by the System. Each mortgage loan is non-recourse and is secured by the respective real property. The mortgages only require interest payments with balloon payments due at maturity. The following table summarizes the mortgage note balances as of December 31.

			Principal Balance			
Property	Rate	Maturity	2004	2003		
Denver, CO	LIBOR + 1.80%	April 30, 2008	\$ 5,250,000	\$ 5,250,000		
New York, NY	LIBOR + 1.75%	May 23, 2005	9,500,000	9,500,000		
Stamford, CT	LIBOR + 1.40%	April 1, 2005	11,918,773	11,918,773		
Malvern, PA	6.66%	May 15, 2006	6,050,000	6,050,000		
			\$ 32,718,773	\$ 32,718,773		

Maturities on mortgages payable as of December 31, 2004, are as follows:

December 31: Principal			Interest	
2005	\$ 21,418,773	\$	872,970	
2006	6,050,000		359,900	
2007	-		207,900	
2008	5,250,000		69,300	
2009			-	
	\$ 32,718,773	\$	1,510,070	

#### (7) Proposed Merger Into Colorado PERA

In 2003, Senate Bill 03-250 was passed and signed into law. Senate Bill 03-250 authorized the School District, the System, and Colorado PERA to enter into an agreement to merge the System into Colorado PERA. The legislation provided authority to the parties involved to terminate the merger agreement, without cause, on or before July 1, 2004. On June 29, 2004, the Colorado PERA Board of Trustees unanimously voted to terminate the merger agreement in the best interests of the Colorado PERA membership.

At the request of the School District, on February 1, 2005, Senate Bill 05-171 was introduced in the Colorado State Senate to authorize the merger of the System into Colorado PERA on January 1, 2007. Under Senate Bill 05-171, the School District, the System, and Colorado PERA would be authorized to enter into a merger agreement. If an agreement is not executed by October 1, 2005, any of the parties involved may terminate the merger by providing written notice to the other parties by October 15, 2005. After October 1, 2005, and before October 1, 2006, the merger can be terminated only for specific reasons as set forth in the legislation.

Under the terms of the merger, the School District may be required to provide funding to Colorado PERA. Unless the School District and Colorado PERA mutually agree upon another funding source, the School District must complete and receive sufficient proceeds from the issuance of pension certificates of participation by December 13, 2006, or Colorado PERA can terminate the merger agreement on or before December 15, 2006.

#### (8) Defined Contribution Plan

The Board approved the establishment of a discretionary defined contribution plan (DC Plan) for employees of the System in 2003. The DC Plan is maintained in compliance with the requirements of IRC Section 401(a). Contributions to the DC Plan are at the sole discretion of the System. The System contributes amounts equal to the amounts payable under the Staff Retention Pay Plans. For the year ended December 31, 2004, the System contributed \$592,860 (\$280,576 in 2003) on behalf of eligible employees covered under the DC Plan.

#### (9) Staff Retention Pay Plans

On June 2, 2003, the Board approved a Staff Retention Pay Plan, effective July 1, 2003, for employees of the System. The Board determined a need to encourage staff members to remain with the System as a result of the merger legislation passed into law in 2003, as described in note 7. The retention payments were made to permanent full-time employees on two dates provided the employees remain employed by the System on the specified payment dates. On June 30, 2004, the System made contributions into the DC Plan for eligible employees equal to 25% of their 2003 annual base salaries. On December 25, 2004, the System made contributions into the DC Plan for eligible

employees equal to 50% of their 2004 annual base salaries.

In anticipation of a future merger of the System into Colorado PERA, the Board approved a Staff Retention/Succession Plan for 2005 on January 10, 2005. Eligible employees will receive cash payments equal to 21.5% of their 2004 base salaries, payable in quarterly installments, provided the eligible employees remain employed by the System throughout each quarter. In addition, eligible employees will have 25% of their 2004 base salaries contributed into the System's DC Plan on December 29, 2005, provided the eligible employees remain employed by the System for the entire period from January 1, 2005 through December 29, 2005.

#### Required Supplementary Information

#### **Schedule of Funding Progress (Unaudited)**

Dollars are expressed in thousands.

Actuarial Valuation Date January 1,	Actuarial Value of Assets	Actuarial Accrued Liability	Unfunded Actuarial Accrued Liability	Funded Ratio (1)/(2)	Annual Covered Payroll	Unfunded Actuarial Accrued Liability As a % of Covered Payroll (3)/(5)
	(1)	(2)	(3)	(4)	(5)	(6)
2000	\$2,044,332	\$1,983,400	\$ (60,932)	103%	\$264,079	(23)%
2001	2,308,030	2,371,925	63,895	97	292,404	22
2002	2,462,548	2,550,556	88,008	97	307,834	29
2003	2,465,049	2,712,293	247,244	91	331,607	75
2004	2,531,746	2,793,788	262,042	91	318,122	82
2005	2,611,524	2,960,990	349,466	88	315,157	111

#### **Schedule of Employer Contributions (Unaudited)**

Year Ended December 31,	Annual Required Contribution	Percentage of ARC Contributed	Annual Required Contribution Percentage
1999	\$ 7,140,565	100.00%	2.79%
2000	8,007,508	100.00	2.90
2001	8,735,015	100.00	2.90
2002	18,949,591	49.99	5.71
2003	28,709,754	45.36	8.67
2004	34,637,301	61.04	10.74

Unaudited—see accompanying notes to required supplementary information.
Unaudited—see accompanying independent auditors' report.

#### Notes to Required Supplementary Information (Unaudited)

December 31, 2004

## (1) Actuarial Assumptions and Methods

The required supplementary schedules provide information to help users assess the ability of the System to accumulate sufficient assets to pay benefits when due. The information includes funding status, funding progress and contribution rates and requirements. The Schedule of Funding Progress reports the unfunded actuarial accrued liability of the System and its significance relative to the capacity to pay for the liability. The Schedule of **Employer Contributions provides information** about the required contributions and the extent to which the employer makes those contributions.

The following schedule provides information regarding significant actuarial assumptions and methods as of the latest actuarial valuation date.

~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Valuation date	January 1, 2005
Actuarial cost method	Entry age
	Level percentage of increasing payroll
Amortization approach	Open
• • •	30 years at each valuation date
Asset valuation method	20% smoothed excess market over
	expected actuarial value
Actuarial assumptions:	
Investment rate of return	8.50%
Including inflation at	4.50%
	Varies based upon service and age from 4.5% to 9.5%
Including inflation at	4.50%
Cost-of-living adjustments	

## (2) Significant Factors Affecting Trends in Actuarial Information

2004 Changes in Plan Provisions

- Effective July 1, 2005, the provisions governing the employer contribution requirements
  are amended to allow for a phase in of the employer contribution rate to achieve the
  full annual required contribution rate by July 1, 2008.
- The Option A benefit is enhanced by adding a death benefit that provides the payment to the designated beneficiary(ies) of the remaining amount of an annuitant's account balance at the time of death, effective December 31, 2004.
- Effective December 31, 2004, joint and survivor annuity "pop-up" options P3 and P2 are added. In the event the joint survivor annuitant predeceases or divorces from the annuitant, the benefit amount generally will pop up to the Option A amount.
- The reference to the use of female mortality tables in establishing the option factors for the joint and survivor annuity options is deleted from the Plan, effective December 31, 2004.
- Effective January 1, 2005, the economic assumptions for investment return and wage inflation were changed to 8.50% and 4.50% from 8.75% and 4.00%, respectively.
- The actuarial reduction on optional early retirements is increased to 6% from 4% for members hired or rehired or persons who become affiliate members on or after July 1, 2005.
- For members hired or rehired or persons who become affiliate members on or after
  July 1, 2005, the ARAA will be changed from 3.25% compounded to the lesser of 3.00%
  or the increase in the Consumer Price Index for urban wage earners and clerical workers
  for the preceding year compounded.
- For members hired or rehired or persons who become affiliate members on or after July 1, 2005, the calculation of the first ARAA, effective in the year immediately following the year of retirement, will be calculated in a pro-rated manner based on the number of months retired.

#### Notes to Required Supplementary Information ... continued

#### 2003 Changes in Plan Provisions

- As of January 1, 2004, earned service is used both to determine
  the eligibility for retirement and the amount of the retirement
  benefit. Prior to this change, active service was used to
  determine retirement eligibility, and accredited service was
  used to determine the retirement benefit.
- Effective January 1, 2004, the calculation to determine credit for casual service changed from one based on hours of employment to a calculation based on the compensation of the member. One month of service credit is credited for each month the member's earnings equal or exceed 80 times the hourly federal minimum wage in effect at the time of service.
- Effective January 1, 2004, the cost to purchase non-covered employment increased from 25% to 34% of HAS at the time of the purchase.

#### 2002 Changes in Plan Provisions

 Effective July 1, 2002, any changes in the employer contribution rate become effective on July 1 of the year that is 18 months after the end of the calendar year on which the actuarial valuation is based.

#### 2001 Changes in Plan Provisions

- For retirements on or after January 1, 2001, the Unit Benefit Percentage Factor increased from 2.25% to 2.50% of highest average salary for all years of accredited service.
- Members age 50 with 30 years of active service are eligible for regular retirement beginning with retirements on or after January 1, 2001.
- The actuarial reduction on optional early retirements was reduced to 4% from 5% for retirements on or after January 1, 2001.
- Effective January 1, 2001, the annual basic benefit was increased by a one-time adjustment. The adjustment is equal to \$25 for each full year of accredited service at retirement.

- Additional options are available to members who
  elect deferred retirement and become eligible for benefit
  payments on or after January 1, 2001. A member can
  elect either to receive a refund of 200% of accumulated
  contributions, a money purchase retirement benefit based
  on 200% of accumulated contributions and the minimum
  employer-provided benefit, or the existing defined benefit
  provided in the Plan.
- Beginning January 1, 2001, the ARAA is compounded at 3.25%.
- Beginning January 1, 2001, beneficiaries of members who die
  while eligible for regular retirements can select either a refund
  of the members' contributions, applicable retirement benefits
  under Options B (installment refund annuity) or C (joint
  survivorship annuity), or applicable survivor benefits.

#### 2000 Changes in Plan Provisions

- Beginning January 1, 2000, beneficiaries of members who die
  while eligible for optional early retirements can select either
  a refund of the members' contributions, applicable retirement
  benefits under Options B or C, or applicable survivor benefits.
- Effective with retirements on or after January 1, 2000, any individual can be named as a co-annuitant under either Options C or E (half joint survivorship annuity).

#### 1999 Changes in Plan Provisions

Beginning with 1999 and years thereafter, members retired
on disability with less than 25 years of service can apply to
qualify full years after the year of their retirement to be used
in the recalculation of their disability retirement benefits at
normal retirement age. The total accredited years cannot
exceed 25 at the time of recalculation.

# Denver Public Schools Retirement System $\mid$ *Financial*

# Additional Supporting Schedules

#### **Schedules of Administrative Expenses**

For the Years Ended December 31, 2004 and 2003

	2004	2003
Personnel services		
Salaries	\$ 1,634,825	\$ 1,732,861
Employee benefits	992,753	591,856
Total personnel services	2,627,578	2,324,717
Professional services		
Legal fees	56,712	49,461
Actuarial fees	153,400	59,600
Audit fees	35,000	32,000
Consultants and outside services	117,334	162,725
Maintenance agreements	74,615	72,710
Total professional services	437,061	376,496
Miscellaneous expenses		
Insurance	104,186	89,280
Subscriptions and research materials	6,358	7,144
Investment services	39,000	31,982
Computer system software	2,612	5,096
Computer supplies	13,418	18,125
Registrations, conferences, and memberships	19,883	24,415
Planning and meeting	3,592	5,319
Travel	29,466	43,266
Office rent	82,205	88,655
Office supplies	15,545	9,862
Postage and printing	85,568	91,370
Equipment repair	1,185	599
Depreciation (a)	86,186	90,706
Other Other	14,378	26,815
Total miscellaneous expenses	503,582	532,634
Total administrative expenses	\$ 3,568,221	\$ 3,233,847

See accompanying independent auditors' report.

### Additional Supporting Schedules ... continued

#### **Schedule of Investment Expenses**

For the Year Ended December 31, 2004

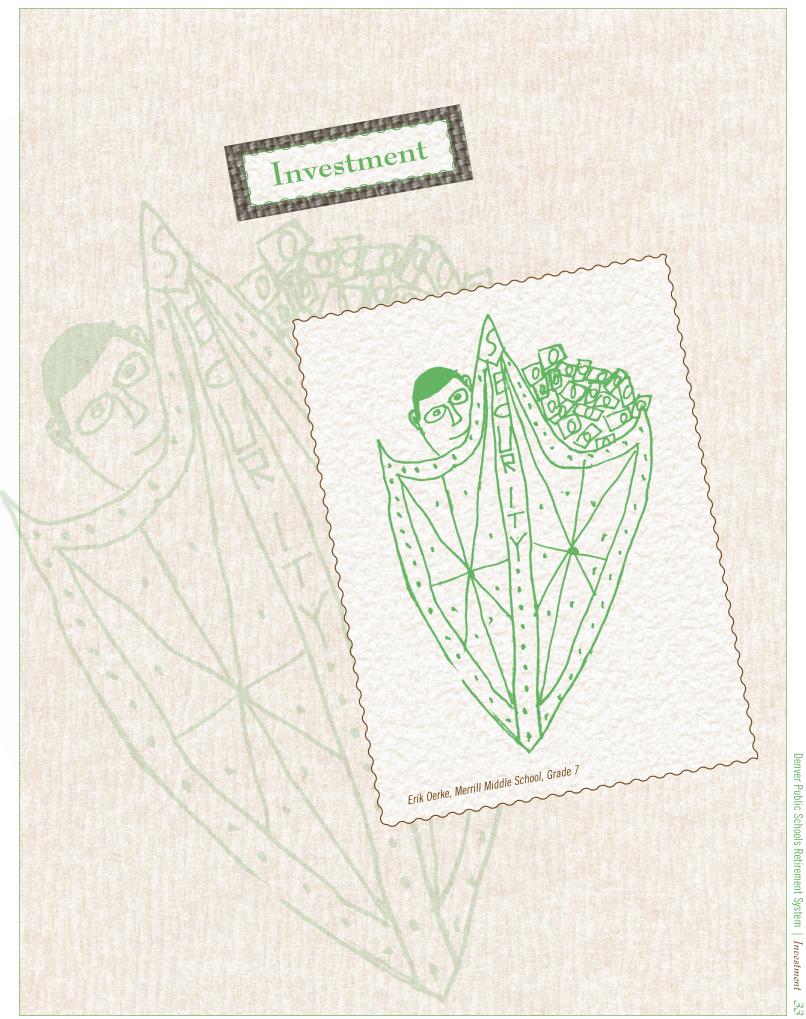
	Share			Fees	
<b>有点的性性和原则的特别的保护的权用</b>	Transactions	Commissions	Manager	Custodian	Total
Internal fixed		\$ -	\$ -	\$ 167,311	\$ 167,311
Seneca Capital Management		-	432,015		432,015
Vanderbilt Capital Advisors	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		258,718		258,718
Western Asset Management	1		456,570	<u> </u>	456,570
Arnhold and S. Bleichroeder	13,610,167	610,560	648,186		648,186
The Boston Company	22,056,923	932,799	1,032,437		1,032,437
LSV Asset Management	1,227,865	26,674	419,879		419,879
TCW Asset Management	1,464,725	64,502	624,764		624,764
Constitution Research and Management	4,952,925	171,330	457,527		457,527
Cordillera Asset Management	6,835,317	298,956	224,513		224,513
TT International Advisors, Inc.	57,443,098	679,245	548,172		548,172
Axiom International		- 1	599,031		599,031
Morgan Stanley			1,753,862		1,753,862
Northern Trust Global	- 1		141,850		141,850
J.P. Morgan Investment		- 1	654,715		654,715
Loan servicing			315,102	<u>-</u>	315,102
Commission recapture		(354,007)	<u>-</u>		
Bank fees			17,158		17,158
Other investment expense			14,298		14,298
	107,591,020	\$ 2,430,059	\$ 8,598,797	\$ 167,311	\$ 8,766,108

#### **Schedule of Payments to Consultants**

For the Year Ended December 31, 2004

Firm A Section 1997	Fees	Nature of Service
Gabriel, Roeder, Smith & Company	\$ 153,400	Actuarial and investment
KPMG LLP	60,245	Audit and benefits
Hewitt Associates	65,572	Investment
Wilshire Associates	39,000	Investment
RiskCap	3,494	Insurance
University Physicians	7,411	Disability benefits
Munksgard & Associates	19,426	Information systems
Cockrell, Quinn & Creighton	51,692	Legal 💮 💆 🗎 🙀 🙀
Otten, Johnson, Robinson,		
Neff & Ragonetti PC	5,020	Legal
	\$ 405,260	

See accompanying independent auditors' report.



#### Investment Management

#### **Economic Overview**

he U.S. economy continued to expand in 2004, with the gross domestic product growing at 4.4%. The economy was affected by multiple factors throughout the year. The quick run-up in energy prices was a key concern. In addition to Americans feeling the pinch at the pump, higher crude oil prices had a significant impact on the balance of trade. Many feel that the trade deficit is unlikely to shrink any time soon, and in the words of the Federal Reserve, this could be "a continuing drag on U.S. economic expansion." The federal budget deficit and jobs received much attention during the presidential election campaign. The housing market remained extremely strong, helped by mortgage interest rates remaining below 6%.

With the positive showing in 2004, the stock market has posted back-to-back annual gains for the first time since 1999. Most of the year's gains came in the fourth quarter, as stock markets around the world rose dramatically. U.S. investors apparently shook off concerns about the presidential election, interest rates, terrorism and Iraq. However, the gains were not uniform across all markets. For the sixth year in a row, small-capitalization U.S. stocks outperformed their large-capitalization counterparts. Also, bargain-seeking "value" investors generally outperformed earningsseeking "growth" investors. Both of these occurrences were contrary to consensus opinion at the beginning of 2004. "Expect the unexpected" is the lesson for investors. International stocks outperformed domestic stocks in 2004 as the U.S. dollar suffered its third consecutive year of decline relative to other world currencies. The beleaguered U.S. currency ended 2004 at a nine-year low against a basket of major currencies and an all-time low against the euro.

An interesting conundrum occurred in the interest rate arena in 2004. As the Federal Reserve raised short-term interest rates, with five increases in 2004 (going from a federal funds rate of 1.00% to 2.25%), longer-term interest rates actually declined slightly. The yield on the 10-year U.S. Treasury bond was 4.25% at the start of 2004 and finished the year at 4.22%. Inflation increased slightly in 2004, with the Consumer Price Index All Urban Consumers rising 3.3%. However, 36% of the increase was due to increases in energy prices. The "Core" Consumer Price Index (CPI), excluding food and energy, increased 2.2% in 2004.

The unpredictability of the markets and divergence of returns across asset classes underscores the importance of portfolio diversification, both geographically and by asset class. Leadership among asset classes frequently changes, and the timing of these shifts is not predictable. Therefore, DPSRS maintains a diversified portfolio containing a combination of low-correlating asset classes including domestic and foreign stocks, bonds and other fixed income investments, real estate, and alternative investments.

# Markets and Fund Performance

The U.S. stock market posted moderate gains in 2004, most of it coming after October 25th. For the year 2004, the S&P 500 Index posted a total return of 10.88% and the Dow Jones Industrial Average produced 5.36%. The technology-heavy NASDAQ Composite Index, which led the market in 2003 with a 50% gain, lost some steam this year, but still posted an 8.59% gain. However, at its current level of 2,175.44, it still is a long way from its 5,048.62 high reached in March 2000. The Russell 3000 Index, a benchmark for the broad market, posted an 11.95% gain. At the start of 2004, due to the perceived point in the economic cycle, many prognosticators were predicting that "growth" stocks would

outperform "value" stocks and that large-company stocks (large cap) would outperform smaller-company stocks (small cap) in 2004. Not so—the opposite happened. Although the shift to large cap growth likely will occur, it is risky to attempt to predict the timing. The 2004 return for the DPSRS domestic equity portfolio was 14.80%.

International equities outperformed their domestic counterparts in 2004, with returns in U.S. dollar terms substantially helped by the declining dollar. The Morgan Stanley Capital International Europe Australasia Far East (MSCI EAFE) Index, an index of the equity markets in 21 developed countries, returned 12.68% in local currencies in 2004. However, it returned 20,24% in U.S. dollars. The U.S. dollar, as measured against eight of the world's major currencies, depreciated 7% in 2004 to a nine-year low. Many feel that the decline is unlikely to reverse itself any time soon, due to concerns about the large U.S. budget and trade deficits. The System's international stock portfolio returned 19.96% in 2004.

The bond market surprised many investors in 2004 by posting a gain despite the interest rate increases by the Federal Reserve. As previously mentioned, the yield on the 10-year U.S. Treasury security closed the year at 4.22%, down from 4.25% at the start of the year. The year was not without volatility, however, as the 10-year yield hit 4.87% in June. The return for the Lehman Aggregate Index was 4.34% in 2004. The Lehman Aggregate Index is an index of investment grade bonds and is the benchmark used by DPSRS for its fixed income portfolio. The System's fixed income portfolio returned 6.16% in 2004.

The overall return for the System's total portfolio in 2004 was 12.71%. This exceeded the System's benchmark custom index, which returned 12.13%, and placed the System in the top 30% of a universe of retirement systems monitored by Hewitt Investment Group, the System's investment consultant. The System's mortgage, real estate, and alternative investment portfolios all showed positive returns in 2004.

#### Investment Management ... continued

#### Goal

The Statement of Investment Objectives and Policies is designed to enable the investment program of the retirement system to be a major contributor to the long-term accomplishment of the System's mission to provide career employees and their families with a primary source of lifetime income relative to service at retirement, disability or death. Summarized below are some of the major features of the Statement of Investment Objectives and Policies as well as recent investment results.

#### **Investment Responsibilities**

Colorado State Statutes designate the Board of Trustees as the ultimate fiduciary of the assets of the System. The Board must approve all decisions relating to the *Statement of Investment Objectives and Policies*. The Board has delegated the implementation of the Statement to the Investment Committee. Responsibilities of the Investment Committee include, but are not limited to, recommending investment policy changes to the Board and appointing, monitoring and terminating investment managers.

The Chief Investment Officer supervises and reviews activities and performance of investment managers, recommends changes in the investment program, and monitors the day-to-day investment activities. The investment managers manage the assets and exercise complete investment discretion in accordance with policy statements and guidelines and specific restrictions stated in their Investment Management Agreements. The managers are responsible for communicating with the Chief Investment Officer regarding all significant matters pertaining to investments of the fund assets.

#### **Asset Allocation**

The System's asset allocation is approved by Board of Trustees as part of the *Statement of Investment Objectives and Policies*. Although the *Statement of Investment Objectives and Policies* was revised December 6, 2004, the target asset allocations and related ranges have not been revised since September 9, 2002.

The overall target asset allocation can be divided into 64% equity-type investments (domestic, international, real estate equity, and alternative assets) and 36% fixed incometype investments (fixed income and mortgages). The target allocation ranges for specific asset classes are noted below; however, within the equity-type investment category, there are further constraints so that the total of the equity-type investments does not fall outside of the range of 56% to 72% of total investments.

#### Table One Asset Allocation By Asset Class

Asset Class	Low	Target	High
Total Domestic Equities	27%	32%	37%
Large Capitalization Equities	11	16	21
Small/Mid Capitalization Equities	11	16	21
International Equities	12	17	22
Alternative Assets	2	5	10
Real Estate Equity	7	10	13
Fixed Income	28	36	44
Fixed Income Securities	20	23	26
Real Estate Mortgages	8	13	18

#### **Investment Guidelines**

#### **Equity Investments**

The portion of assets invested in publicly traded equity securities is diversified between domestic and international, by company capitalization, and by manager style. A portion of the domestic equity portfolio is managed passively (indexed), and a portion is actively managed.

The asset allocation provides for approximately 16% in large capitalization domestic issues, 16% in small/mid capitalization domestic issues, and 17% in international issues. As a general practice, equity holdings in a single company should not exceed 5% of a manager's portfolio at cost or 8% at market value. Also, as a general practice, holdings in any single industry sector should not exceed 40% of the total related portfolio, i.e., large capitalization domestic, small/mid capitalization domestic, and international portfolio. In certain instances, these guidelines can be altered depending on a particular manager's style and expertise, if stated in the Investment Management Agreement.

#### Investment Management ... continued

#### **Fixed Income Investments**

The fixed income asset class includes a broad array of debt securities, including U.S. Government and agency securities, corporate notes and bonds, short-term money market securities, such as certificates of deposit and commercial paper, mortgage and other asset-backed securities and securities issued by non-U.S. governments and corporations. The Board of Trustees recognized that there are periods during economic and capital market cycles where utilization of debt securities and derivative securities of various sectors, currencies, and structures is appropriate in a welldiversified portfolio in order to manage risk and to provide the potential for above average long-term investment returns.

Except for U.S. Government and agency guaranteed securities, concentrations in the securities of a single entity are limited to not more than 5% of the fixed income securities at market value. Concentrations in the corporate securities of a single industry are limited to not more than 25% of fixed income securities at market value.

Deviations from the standard guidelines must be stated and approved in the Investment Management Agreement.

#### **Mortgage Investments**

This asset class can include all mortgage investments except residential mortgage-backed securities, such as mortgages on income-producing properties, mortgage pools, interests in commingled funds or co-investment vehicles which invest in mortgages, investment management separate accounts, Commercial Mortgage-Backed Securities, and interest in participating and convertible mortgages where it is intended to be primarily a debt rather than an equity investment.

In order to protect the overall performance and preservation of fund assets, mortgages that are secured by a single property are limited in size to not more than 5% of the total mortgage portfolio. Due to the broad diversification characteristics represented by mortgage pools and commingled mortgage funds, the 5% limitation does not apply to the System's participation in such investment vehicles.

#### **Equity Real Estate Investments**

Investments in this asset class can include any of the following: direct ownership of real estate properties, ownership in commingled funds that invest primarily in equity real estate, interests in hybrid debt instruments where the investment is deemed to be more of an equity rather than a fixed income investment, investment management separate account, investments in real estate joint ventures, partnerships or similar vehicles or investments in Real Estate Investment Trusts.

Real estate assets are diversified geographically by property type and by property size. The System will, as a general practice, not own more than a 20% interest in any one commingled fund, nor will an initial investment in any one individual property be more than 10% of the total equity real estate portfolio.

#### **Alternative Assets**

Alternative Assets is considered a distinct asset class in the DPSRS *Statement of Investment Objectives and Policies* and generally is defined as assets that are not publicly traded, lack liquidity, and are not subject to financial market regulations, with the exception of cash, equity real estate and mortgages. Allocations to alternative assets

typically serve one of two purposes: help enhance portfolio returns through higherrisk investment strategies or help diversify portfolios through investments that generate returns with very low correlation to traditional asset classes. For the purposes of DPSRS investment policy, the alternative assets asset class is divided into two separate categories: private equity and other alternative investments. Currently, all DPSRS investments in this asset class are in the private equity category. The investment activities of private equity firms encompass every aspect of the lifecycle of a business enterprise, ranging from start-ups to mature companies. The two largest sub-segments within private equity are venture capital and buyouts, which are distinguished from each other primarily by the size of the investment, risk associated with the company's cash flows, and the role of debt in the transaction.

Unlike traditional asset classes, the difference between top and bottom quartile performance in many alternative investments is vast. Hence, a premium is placed on manager selection and diversification. Emphasis is placed on broad exposure to various economic sectors, geographical locations, development stages, transaction types, and managers. The System, as a general practice, will not own more than a 10% interest in any single alternative asset investment.

## Investment Management ... continued

## **Investment Management Objectives**

The Statement of Investment Objectives and Policies provides for performance objectives for the total fund as well as for individual managers. As presented in the table below, the performance of the total fund is evaluated relative to inflation, an appropriate universe of other pension funds, and a Custom Index. Individual external investment managers are evaluated relative to an appropriate universe and a relevant index. The Investment Committee meets quarterly to review the actual performance of the total fund, each asset class, and each investment manager. Performance evaluations are performed quarterly by Hewitt Investment Group, the System's investment consulting firm, and are distributed to the Board of Trustees.

	Total Fund	Equity Specialist Managers	Fixed Income Specialist Managers	
Relative to inflation	CPI + 5% annually	N/A	N/A	
Relative to an institutional universe	Top 60%	Top 40%	Top 40%	
Relative to an index	Exceed a Custom Index weighted as follows: Russell 1000 16% Russell 2500 21% 1 Lehman Aggregate 23% Lehman A Intermediate Credit 13% NCREIF Property 10% MSCI EAFE 17%	Large Cap: Exceed appropriate Russell 1000 Index Small/Mid Cap: Exceed appropriate Russell 2500 Index International: Exceed EAFE Index Real Estate Equity: Match NCREIF Property Index	Exceed Lehman Aggregate Index	

<sup>&</sup>lt;sup>1</sup> Includes 5% allocation to Alternative Assets

The objective of investment in mortgages is to maintain a portfolio of high quality mortgage investments that provide an alternative to other fixed income investments. With the mix of mortgage investments being so varied, there is no nationally recognized published index that would approximate the mix of investments in the mortgage portfolio. However, it is expected that the mortgage investment portfolio should produce returns that exceed the CPI by at least 4% annually over a three-to-five-year period.

Investments in equity real estate are structured to create a diversified real estate portfolio of high quality property assets to provide a hedge against inflation, diversify the fund's asset base and stabilize overall fund investment performance. Total return shall include income as well as appreciation or depreciation. It also is expected that the total return of the total equity real estate portfolio will at least match the total return of the NCREIF Property Index over a seven-to-ten-year time horizon.

Currently, all investments in the alternative assets asset class consist of private equity investments. The goal of private equity investing is to generate substantially greater returns than the long-term returns from the public equity markets, thereby enhancing overall portfolio returns. However, achieving such performance comes at a price: greater levels of risk and very little liquidity. Moreover, measuring and evaluating the performance of private equity investments is more complicated than for traditional asset classes for a variety of reasons. First, the illiquid nature of private equity investments makes it difficult to ascertain value on an ongoing basis. Not until all of a partnership's assets are liquidated at termination can the real return be calculated. Second, there is a wide variety of styles and strategies utilized by private equity managers, which makes it difficult to construct a reasonable benchmark. Third, private equity deals require a long holding period from investment through liquidation.

## Investment Management ... continued

## **Safeguarding of Assets**

Marketable securities owned by the System are held under a custodial arrangement with The Northern Trust Company in Chicago, Illinois. In addition to safekeeping the assets, the custodian also is responsible for the timely and accurate settlement of securities transactions as well as the collection and accounting for all income receivable from the investments. Investments that are managed by outside managers using a commingled vehicle are held under similar custodial arrangements. The Northern Trust Company's securities lending operations generated additional income of approximately \$513,000 for the System during 2004.

The System's own internal accounting department verifies and reconciles the activity of the custodian and the investment managers while maintaining financial records according to governmental accounting standards. Annual audit and actuarial

examinations also are performed by independent professional firms to provide assurance of the integrity of the System's financial statements and long-term actuarial funding.

### **Historical Performance**

Presented below are the annual total returns from each asset class for the 2000-2004 period as well as the compounded three-year and five-year total returns. These results have been prepared by the System's outside investment performance consultant, Hewitt Investment Group, and are time-weighted returns computed in conformance with the presentation standards of the Association for Investment Management and Research. Comparable indexes also are presented below each asset class.

## Total Returns

	2000	2001	2002	2003	2004	3-Year	5-Year
Total DPSRS Fund *	2.72%	0.17%	- 5.15%	23.08%	12.71%	9.59%	6.25%
DPSRS Domestic Stock Standard & Poor's 500	- <b>4.19</b> - 9.10	- <b>5.86</b> -11.88	<b>-24.56</b> -22.10	<b>44.01</b> 28.69	<b>14.80</b> 10.88	<b>7.64</b> 3.59	<b>2.38</b> - 2.30
DPSRS International Stock MSCI EAFE Index	<b>- 4.79</b> -14.16	<b>-17.29</b> -21.45	- <b>9.50</b> -15.94	<b>40.48</b> 38.59	<b>19.96</b> 20.24	<b>15.11</b> 11.89	<b>3.73</b> - 1.13
DPSRS Fixed Income Lehman Aggregate	<b>6.87</b> 11.63	<b>10.45</b> 8.43	<b>9.61</b> 10.27	<b>8.05</b> 4.11	<b>6.16</b> 4.34	<b>7.93</b> 6.20	<b>8.22</b> 7.71
DPSRS Mortgages Lehman A	14.17	8.45	9.15	7.96	8.09	8.40	9.54
Intermediate Credit	9.83	10.06	10.58	7.14	4.01	7.21	8.30
DPSRS Real Estate NCREIF Property Index	<b>14.10</b> 12.23	<b>7.56</b> 7.35	<b>7.15</b> 6.76	<b>7.76</b> 8.99	<b>11.92</b> 14.52	<b>8.92</b> 10.04	<b>9.66</b> 9.93
DPSRS Short-Term Investments 3-Month Treasury Bills	<b>6.69</b> 6.18	<b>4.50</b> 4.42	<b>2.07</b> 1.80	<b>1.27</b> 1.15	<b>1.43</b> 1.33	<b>1.59</b> 1.43	<b>3.17</b> 2.96

<sup>\*</sup> The 2003 and 2004 Total DPSRS Fund returns include the Alternative Asset Investments asset class (referred to as Private Equity prior to 2004). Prior years' returns do not include this asset class. 3-year and 5-year Total DPSRS Fund returns include Alternative Assets only for 2003 and 2004.

# List of Largest Assets Held

December 31, 2004

# **Largest Stock Holdings**

	Shares	Stock	Fair Value
1	139,600	General Dynamics	\$ 14,602,160
2	152,700	ITT Industries	12,895,515
3	130,720	Progressive Corporation	11,090,285
4	256,400	Yahoo	9,661,152
5	81,000	Ebay	9,418,680
6	115,300	Peabody Energy	9,328,923
7	266,775	Network Appliance	8,862,265
8	152,500	Wachovia Corporation	8,021,500
9	141,200	Monsanto	7,843,660
10	143,480	Genentech	7,811,051

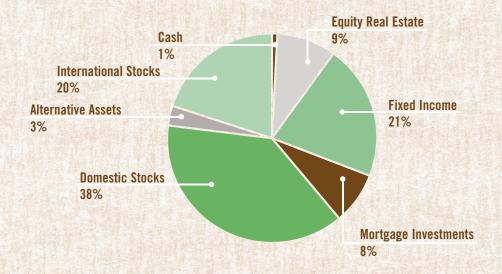
# **Largest Bond Holdings**

	Par	Description	Coupon	Maturity	Rating	Fair Value
1	\$ 22,040,000	U.S. Treasury Bond	5.375%	02/15/2031	AAA	\$ 23,832,469
2	15,410,000	U.S. Treasury Notes	3.500	11/15/2009	AAA	15,337,758
3	12,600,000	FHLMC Gold 15 Year	7.000	01/01/2020	AAA	13,348,125
4	12,960,000	U.S. Treasury Notes	4.250	11/15/2013	AAA	13,041,505
5	11,770,000	U.S. Treasury Notes	4.250	08/15/2014	AAA	11,796,212
6	11,050,000	U.S. Treasury Notes	3.000	11/15/2007	AAA	10,981,799
7	9,540,000	GNMA I 30 Year Single Family	6.000	01/01/2035	AAA	9,882,849
8	9,162,229	CMO Master Alternative	6.500	07/25/2034	AAA	9,515,937
9	6,999,209	CMO Morgan Stanley	6.000	06/25/2034	AAA	7,187,313
10	6,399,000	FNMA Pool #735139	7.000	12/01/2034	AAA	6,769,577

A complete list of portfolio holdings is available upon request.

## Investment Summary

## Diversification of Assets at December 31, 2004



		December 31, 2004				
	Financial		Allocation	% Total		
Type of investment	Assets	Adjustment	Assets	Actual	Target	
Cash	\$ 107,612,418	\$ (89,096,950)	\$ 18,515,468	1%	0%	
Fixed income:						
Corporate securities	286,261,759	13,137,309	299,399,068			
Government securities	238,330,612		238,330,612			
Total fixed income	524,592,371	13,137,309	537,729,680	21	23	
Mortgage investments	201,930,350		201,930,350	8	13	
Domestic stocks	950,333,340	12,028,579	962,361,919	38	32	
International stocks	496,898,036	17,261,610	514,159,646	20	17	
Equity real estate	261,194,626	(32,718,773)	228,475,853	9	10	
Alternative assets	89,997,203		89,997,203	3	5	
Investments and cash	2,632,558,344	\$ (79,388,225)	2,553,170,119	100%	100%	
Net unsettled trades			46,669,452			
Notes payable			32,718,773			
Securities lending collateral pool	298,017,707		298,017,707			
Total investments and cash	\$ 2,930,576,051		\$ 2,930,576,051			

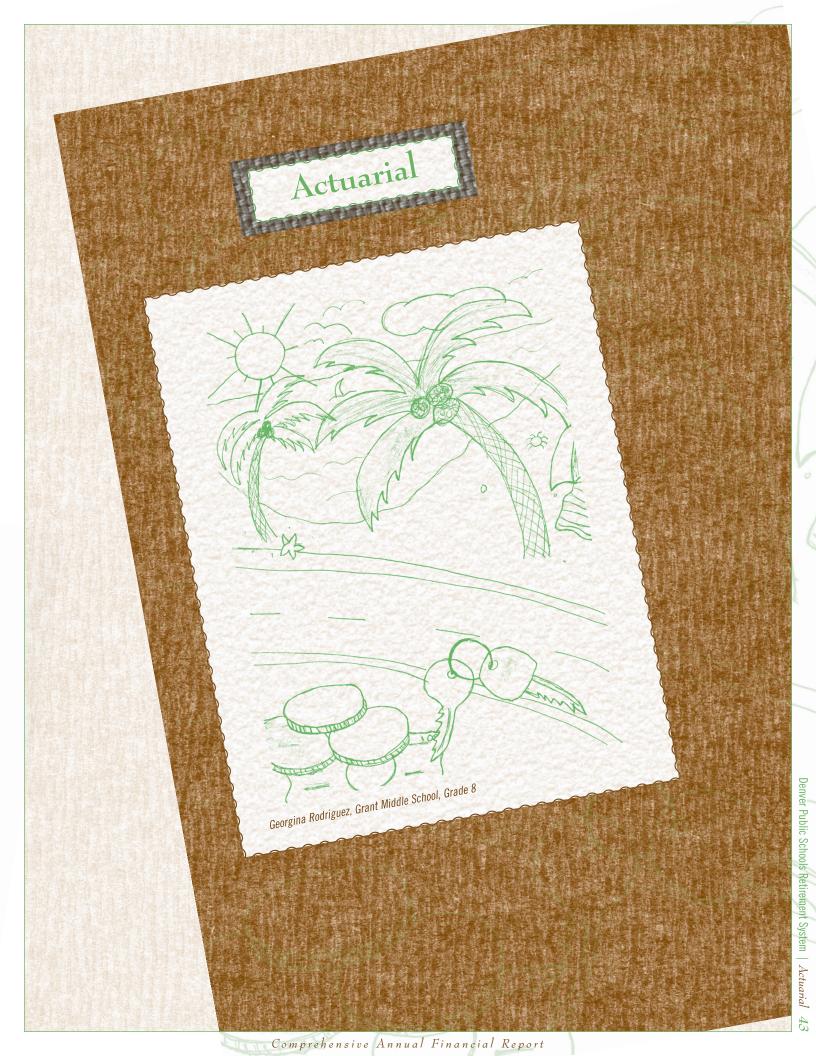
In measuring the progress in reaching target asset allocation goals, investment assets are classified differently from the classification for financial reporting purposes. Investment manager performance is measured on the total account value, including cash retained by the manager and excluding debt placed on investment assets. In addition, the cash due or payable on unsettled transactions is reflected as an asset or liability for financial reporting purposes, but it is considered settled in determining the value of the managed account.

## Schedule of Fees and Commissions

	Assets under			Commissions		
	management	Fees	Shares	Amount	Per Share	
Investment manager fees						
Fixed income managers	\$ 632,204,789	\$ 1,147,303		\$ -	\$ -	
Equity managers	1,447,231,376	6,450,221	107,591,020	2,784,066	0.02	
Other investments	553,122,179	1,001,273		-		
Total investment manager fees	\$ 2,632,558,344	8,598,797	107,591,020	2,784,066	0.02	
Other investment service fees						
Custodian fees		167,311				
Securities lending fees		2,850,621	-		-	
Commission recapture income			- 1	(354,007)	2	
Total investment service fees		\$ 11,616,729	107,591,020	\$ 2,430,059	\$ 0.02	







## Actuarial Certification Letter



#### GABRIEL, ROEDER, SMITH & COMPANY

Consultants & Actuaries

One Towne Square • Suite 800 • Southfield, Michigan 48076 • 248-799-9000 • 800-521-0498 • fax 248-799-9020

Board of Trustees Denver Public Schools Retirement System 1301 Pennsylvania Street, Suite 700 Denver, CO 80203-5014 April 21, 2005

Dear Board Members:

The basic funding objective of the Denver Public Schools Retirement Systems (DPSRS) is to establish and receive contributions which, when expressed in terms of the percentage of active member payroll, will remain approximately level from generation to generation, and when combined with present assets and future investment return will be sufficient to meet the financial obligations of DPSRS to present and future retirees and beneficiaries.

The annual actuarial valuation process develops contribution rates that are sufficient to fund the current cost (i.e., the costs assigned by the valuation method to the year of service about to be rendered), as well as to fund unfunded actuarial accrued liabilities as a level percent of active member payroll. The most recent annual valuation was completed based upon census data, asset data, and plan provisions as of December 31, 2004. The valuation is performed in accordance with standards of practice prescribed by the Actuarial Standards Board. Each of the actuaries involved is a member of the American Academy of Actuaries and works exclusively in the public sector arena.

The System's administrative staff provides the actuary with data for the actuarial valuations. The actuary relies on the census data after reviewing it for internal and year-to-year consistency. Asset information was accepted without further audit. Assets are valued on a market related basis that recognizes the difference between actual and assumed investment return over an open five-year period.

Schedules in the Financial Section prepared by the actuary were:

- Schedule of funding progress
- · Schedule of employer contributions

Schedules in the Actuarial Section prepared by the actuary were:

- · Percent of members separating before retirement
- Percent of eligible members retiring next year
- Individual pay increase assumptions
- · Schedule of contributing, affiliate and deferred member valuation data
- Schedule of retirees and beneficiaries added to and removed from benefit payroll
- Solvency test
- Analysis of financial experience

Schedules in the Statistical Section prepared by the actuary were:

- Schedule of average benefit payments
- · Schedule of retired members and beneficiaries by option

The assumptions and methods used are internally consistent and comply with the requirements of Statement No. 25 of the Governmental Accounting Standards Board. The valuation assumptions were based on a study of DPSRS experience covering the 2001-2003 period.

Effective July 1, 2005, the funding policy consists of a 4-year phase-in of the employer contribution rate to the level recommended by the actuary. For the 2006-2007 fiscal year, this results in a funding policy contribution rate of 11.14% of compensation. The annual required contribution (ARC) under GASB 25 is equal to 14.47% of compensation. The DPSRS was 88.2% funded as of December 31, 2004 based on the DPSRS market related value of assets.

Based upon the results of the December 31, 2004 valuations, the Denver Public Schools Retirement System is in sound condition in accordance with actuarial principles of level percent of payroll financing.

Respectfully Submitted,

GABRIEL, ROEDER, SMITH & COMPANY

Jusie D. Fernas Norma

Judith A. Kermans, E.A., M.A.A.A.

Norman L. Jones, F.S.A., M.A.A.A.

## Summary of Principal Plan Provisions and Organization

## **Background**

The System was established by the Board of Education of School District No. 1 on December 1, 1945, to provide defined retirement, death and disability benefits to participating employees. The organization and amendments of the Plan have been carried out in accordance with the provisions of Colorado law. The System Retirement Trust Fund is designated as a trust fund established to accomplish the objectives set forth in the Plan.

The responsibility for the general administration, investment of assets, and proper operation of the System is vested in an 11-member board of managers known as the Board of Trustees.

The daily administration of the retirement plan is the responsibility of the Executive Director of the System who is appointed by the Board of Trustees. The retirement organization consists of four major divisions. The Retirement Administration Office has the responsibility for administrative operations, including contribution, service and salary maintenance, retirement estimate preparation and finalization, and administration of the retirement payroll. The Accounting Office generally is responsible for the processing of the retirement payroll and all financial accounting and reporting for the retirement plan. The Chief Investment Officer is the custodian of the funds held on behalf of the System and directs the activities of the third division, the Office of Fund Investments. All of the offices are provided with data processing support by the Information Systems Department.

## **Contributions and Membership**

Contributing members receive benefits based upon years of earned service and their highest average salaries. Prior to retirement, members are required to contribute 8% of regular compensation. Contributions currently accumulate interest monthly at the effective annual rate of 5%. Interest crediting will continue at 5% in future years unless changed by action of the Board of Education. The contributions and the interest are returned to the member's beneficiary or to the member upon his or her death or termination of employment prior to retirement, respectively. In the event of the member's death prior to retirement, his or her beneficiary may elect to have survivor benefits paid to the eligible survivors in lieu of the return of the member's contributions with interest.

**Affiliate** members are part-time or temporary employees of the District who have applied and been accepted for affiliate membership. Generally, continuously-employed employees contribute 6% of compensation paid prior to July 1, 1998, and 8% of compensation paid on or after July 1, 1998. Affiliate members receive a benefit determined in the same manner as provided for contributing members, except that career average salary is substituted for highest average salary in computing such benefit. Upon termination of affiliate membership or death prior to retirement, all of the member's contributions, together with interest, are returned to the member or in the event of the member's death, to his or her beneficiary.

**Disability** retirement may be granted to either classification of membership in case of disability prior to eligibility for normal retirement. The amount of such benefits depends upon the class of membership and accrued service.

Optional forms of retirement allowance, which provide a continuance or a lump-sum death benefit to a member's beneficiary, are available to all members upon retirement.

## **Service Retirement Benefits**

#### I. ELIGIBILITY

- A. Superannuation Retirement
  - 1. Attained age 55 with 25 or more years of earned and outside service of which 10 may be outside service
  - 2. Attained age 65 with 5 or more years of earned service
  - 3. Attained age 50 with 30 or more years of earned service
- B. Optional Early Retirement
  - 1. Attained age 55 with 15 or more years of earned service
  - 2. Attained age younger than 55 with 25 or more years of earned service

#### II. BENEFITS

A. Superannuation Retirement Single Life Annuity

2.5% of Highest Average Salary is given for every year of earned service. Highest Average Salary is the average monthly compensation of the 36 months of earned service having the highest rates multiplied by twelve.

# Summary of Principal Plan Provisions and Organization ... continued

B. Optional Early Retirement Single Life Annuity

Same provisions exist as for superannuation retirement with a 4% reduction in allowance applied for each year the member lacks eligibility for superannuation retirement. Proration on a monthly basis is applied for partial years.

C. Minimum Benefits

A minimum pension benefit equal to \$15 per year for each of the first 10 years of earned service and \$20 per year thereafter is guaranteed by the provisions of the Plan.

#### **Deferred Retirement Benefits**

- ELIGIBILITY—Five or more years of earned service
- II. BENEFITS (Pension and Annuity)

Determination of benefits is the same as for superannuation retirement. Benefits are payable at attained age 55 with 25 years of earned and outside service, at age 65 with fewer than 25 years of service, and for members who terminate on or after January 1, 2001, at attained age 50 with 30 years of earned service. Also available at the time a member who resigns on or after January 1, 2001, becomes eligible to draw a deferred benefit is a choice of a refund of 200% of accumulated contributions, a money purchase retirement benefit based on 200% of accumulated contributions plus the minimum employer-provided benefit, or the existing defined benefit provided by the Plan.

# "Automatic" Retirement Benefits

In case of the death of any affiliate or contributing member who was eligible for retirement, the Retirement Plan provides for an automatic retirement as of the day after the date of death.

## **Disability Retirement Benefits**

- ELIGIBILITY—Five or more years of earned service with the District
- II. BENEFITS (Pension and Annuity)

Determination of benefits is the same as for superannuation retirees who retire under the provisions of a "Single Life Annuity." Recalculation occurs at age 55 if earned and outside service at the time of disability is 25 years or more or at age 50 if earned service at the time of disability is 30 years or more. Otherwise, recalculation occurs at age 65.

- Retirement Benefits are subject to the limits set forth in the United States Internal Revenue Code.
- This Summary generally describes the basic benefits available under the Plan as it existed December 31, 2004, and shall in no way be taken as the basis of, or creating, any contractual rights between the District or the System and any person or employee.

# Retirement Options as of December 31, 2004

## **Option A**

Option A is a single life annuity, which is defined as a specified sum of money payable monthly to an annuitant from the time of his or her retirement until death. At the annuitant's death, if he or she has not received in retirement benefits the total amount of accumulated contributions at the time or retirement, the balance is paid to the designated beneficiaries in one lump sum.

## **Option B**

Option B is an installment refund annuity, which is defined as a somewhat smaller sum of money than the amount which would be payable under Option A but which is the actuarial equivalent thereof, payable monthly to an annuitant from the time of his or her retirement until his or her death. Additionally, if the annuitant dies before receiving an amount equal to the total of his or her reserve, the payments continue to his or her designated beneficiaries or estate until the total amount of the payments made to the annuitant and to the beneficiaries or estate is equal to the total amount of reserve allocated to the payment of said annuitant's retirement allowance.

## **Option C**

Option C is a joint-survivorship annuity, which is defined as a somewhat smaller sum of money than the amount which would be payable under Option A but which is the actuarial equivalent thereof, payable monthly to an annuitant from the time of retirement so long as he or she lives and thereafter to his or her designated co-annuitant, so long as the designated co-annuitant lives. The designation of the co-annuitant is effective upon the effective date of the member's retirement and subsequently may not be changed. For all retirements effective on or after January 1, 1998, in addition to designating a co-annuitant, the member designates a contingent beneficiary(ies) and has the exclusive right to change such designation of contingent beneficiary(ies) at any time prior to his or her death. If, at the date of death of the annuitant and the designated co-annuitant, whichever is the later, the total number of monthly payments made does not equal at least 120 full months, the remainder necessary to equal 120 full monthly payments is paid in equal shares monthly to the member's contingent beneficiary(ies). In the event of the death(s) of all contingent beneficiaries, prior to the deaths of the annuitant and the co-annuitant, the remaining amount due, at the death of the annuitant or co-annuitant, whichever is the later, is commuted and paid in one lump sum to the estate of the annuitant or the co-annuitant, whoever dies later. In the event any contingent beneficiary survives such later death and thereafter dies, the remainder of payments due that beneficiary is commuted and paid to his or her estate.

In case of the death of the designated coannuitant under Option C after the date of application for retirement and before the effective date of retirement, the member may make a change of option or designate a new co-annuitant within 30 days after the death of the previously designated co-annuitant and subject to the appropriate recalculation of the retirement allowance.

## **Option P3**

Option P3 is a joint-survivorship option. which is defined as a somewhat smaller sum of money than the amount which would be payable under Option A but which is the actuarial equivalent thereof, payable monthly to an annuitant from the time of retirement so long as he or she lives and thereafter to his or her designated co-annuitant, so long as the designated co-annuitant lives. The designation of the co-annuitant is effective upon the effective date of the member's retirement and subsequently may not be changed. If the annuitant and co-annuitant should die prior to having received in retirement benefits the total amount of accumulated contributions at the time of retirement, the balance is paid to the designated beneficiaries in one lump sum. If the co-annuitant should pre-decease the annuitant, the benefit will recalculate to an Option A benefit amount. If the annuitant should divorce from the co-annuitant, the district courts have jurisdiction to allow the annuitant to remove his or her spouse as the named co-annuitant at which point the benefit will recalculate to an Option A benefit amount.

## Option D

Option D is a reduced single life annuity, which is defined as a somewhat smaller sum of money than the amount which would be payable under Option A, the portion thereof attributable to the pension share of retirement allowance being the same as under Option A and the annuity share of the retirement allowance being the actuarial equivalent of such share under Option A. The benefit is payable monthly to an annuitant from the time of retirement so long as he or she lives, with a cash refund on his or her death to the designated beneficiaries or to his or her estate, of any excess of the accumulated contributions of the member at the time of the effective date of retirement over the total amount of the annuity share of the retirement allowance paid or payable to the annuitant to and including the date of death.

Denver Public Schools Retirement System | Actuarial

## **Option E**

Option E is a joint-survivorship annuity, which is defined as a somewhat smaller sum of money than the amount which would be payable under Option A but which is the actuarial equivalent thereof, payable monthly to an annuitant from the time of retirement so long as he or she lives. Upon the death of the annuitant, an amount equal to onehalf of the monthly amount paid to the annuitant is payable monthly to his or her designated co-annuitant so long as he or she lives. The designation of the co-annuitant is effective upon the effective date of the member's retirement and subsequently may not be changed. For all retirements effective on or after January 1, 1998, in addition to designating a co-annuitant, the member designates a contingent beneficiary(ies) and has the exclusive right to change such designation of contingent beneficiary(ies) at any time prior to his or her death. If. at the date of death of the annuitant and the designated co-annuitant, whichever is the later, the total number of monthly payments made does not equal at least 120 months, the remainder necessary to equal 120 monthly payments is paid in equal shares monthly to the member's contingent beneficiary(ies), using the same amount payable to the designated co-annuitant.

In the event of the death(s) of all contingent beneficiaries, prior to the deaths of the annuitant or the co-annuitant, the remaining amount due, at the death of the annuitant or co-annuitant, whichever is the later, is commuted and paid in one lump sum to the estate of the annuitant or the co-annuitant, whoever dies later. In the event any contingent beneficiary survives such later death and thereafter dies, the remainder of payments due that beneficiary is commuted and paid to his or her estate.

In case of the death of the designated co-annuitant under Option E after the date of application for retirement and before the effective date of retirement, the member may make a change of option or designate a new co-annuitant within 30 days after the death of the previously designated co-annuitant and subject to the appropriate recalculation of the retirement allowance.

## **Option P2**

Option P2 is a joint-survivorship option, which is defined as a somewhat smaller sum of money than the amount which would be payable under Option A but which is the actuarial equivalent thereof, payable monthly to an annuitant from the time of retirement so long as he or she lives and thereafter to his or her designated co-annuitant, so long as the designated co-annuitant lives, in a monthly amount equal to one-half of what the annuitant was receiving. The designation of the co-annuitant is effective upon the effective date of the member's retirement and subsequently may not be changed. If the annuitant and co-annuitant should die prior to having received in retirement benefits the total amount of accumulated contributions at the time of retirement, the balance is paid to the designated beneficiaries in one lump sum. If the co-annuitant should pre-decease the annuitant, the benefit will recalculate to an Option A benefit amount. If the annuitant should divorce from the co-annuitant, the district courts have jurisdiction to allow the annuitant to remove his or her spouse as the named co-annuitant at which point the benefit will recalculate to an Option A benefit amount.



# Denver Public Schools Retirement System | Actuarial

# Summary of Principal Plan Provisions and Organization ... continued

### **Survivor Benefits**

(On or after January 1, 1988, the deceased member was an active, contributing member or a contributing member retired for disability who died prior to eligibility for normal retirement and benefit recalculation.)

I. ELIGIBILITY—Five or more years of continuous earned service with the District

II.BENEFITS	MONTHLY BENEFIT
SURVIVOR	
1. Child/Children	10% of Highest Average Salary for each child up to a limit of 30% or \$160 for each child up to a limit of \$480, whichever is greater
2. Spouse with eligible child/children (fewer than 15 years of member earned service)	The difference between (1) above and 30% of Highest Average Salary or \$480, whichever is greater
3. Spouse with eligible child/children (at least 15 years of member earned service but fewer than 25 years of service)	The difference between (1) above and 40% of Highest Average Salary or \$480, whichever is greater
4. Spouse with eligible child/children (25 years of member earned service or more)	The difference between (1) above and 40% of Highest Average Salary plus an additional 2% for each year of service beyond 25 years, or \$480, whichever is greater
5. Dependent Parent	10% of Highest Average Salary for each parent or \$240 for each parent, whichever is greater
6. Spouse (fewer than 15 years of member earned service, payable at age 60)	30% of Highest Average Salary or \$480, whichever is less
7. Spouse (at least 15 years, but fewer than 25 years of member earned service, payable at age 50)	30% of Highest Average Salary plus an additional 1% for each year of service beyond 15 years, or \$480, whichever is greater
8. Spouse (at least 25 years of member earned service, payable at age 50)	40% of Highest Average Salary plus an additional 1% for each year of service beyond 25 years, or \$480, whichever is greater

Unmarried children are eligible for survivor benefits to age 18. Unmarried children enrolled in an accredited school full time are eligible until age 23. Disabled children of any age who are unmarried and were financially dependent upon the member are eligible. Spouse/children's benefits are payable as long as there is an eligible child.

## Annual Retirement Allowance Adjustment (ARAA)

Effective on January 1 of each year, an increase in retirement or survivor benefits becomes payable based on 3 1/4% of the previous year's retirement or survivor benefit.

# $Actuaria I \mid$ Denver Public Schools Retirement System

# Summary of Actuarial Assumptions and Methods

# Assumptions as of January 1, 2005

- a. The investment return used in the valuation is 8.50% per annum, compounded annually (net after expenses), and was adopted in 2004.
- b. The post-retirement mortality tables used in evaluating the liabilities of service retirement and disability benefits to be paid under the Plan are based on the 2001-2003 DPSRS Experience Study. These assumptions were adopted in 2004.
- c. The probabilities of pre-retirement death, disability, superannuation, and nonvested withdrawal are based on the Plan's experience. Probabilities for sample ages are shown below and were adopted in 2004.

- d. Individual salaries are assumed to increase by merit and longevity plus 4.50% for inflation per year. These increases are shown for sample ages below. Active membership is assumed to remain constant. These assumptions were adopted in 2004.
- e. The actuarial value of assets is the expected value of assets plus 20% of the difference between the expected and the adjusted market value of assets as of the valuation date.
- f. The retirement plan's liabilities are funded on the Entry Age Normal Actuarial Cost method. Beginning July 17, 1997, the employer contribution rate was decreased to 4.26% from 15.75% as a result of the issuance of Pension Certificates of Participation and full funding of the unfunded actuarial accrued liability. Actuarial liabilities or surpluses are amortized over 30 years as a level percentage of increasing payroll subsequent to each annual valuation.

- g. Annual benefit increases are equal to 3.25% of the previous year's retirement benefit.
- h. The assumptions and methods are specified by the System upon recommendation of the actuary, a qualified member of the American Academy of Actuaries. The information for the schedules in this section is provided by the actuary.
- Assumptions and methods used for funding purposes meet the parameters set for the disclosures presented in the financial section by GASB Statement No. 25.
- j. The last study of the plan's experience took place in 2004. Assumption changes generally are effective in the year subsequent to adoption.

## **Percent of Members Separating Before Retirement**

Of of Active Members

For Reasons Other Than Death or Disability

Due to Death or Disability

Sample Years of	Years of	Separating W	lithin Next Year	Sample	Dea	th	Disab	ility
Ages	Service	Male	Female	Ages	Male	Female	Male	Female
All	0	20.00%	20.00%	20	0.01%	0.01%	0.00%	0.00%
	1	18.00	16.00	25	0.02	0.01	0.06	0.06
	2	15.00	14.00	30	0.02	0.01	0.06	0.06
	3	12.00	12.00	35	0.03	0.02	0.07	0.07
	4	10.00	10.00	40	0.05	0.03	0.10	0.10
25	5 & over	6.40	8.60	45	0.10	0.05	0.17	0.17
30		5.30	7.70	50	0.21	0.09	0.31	0.31
35		4.45	6.40	55	0.30	0.13	0.56	0.56
40		3.85	5.06	60	0.38	0.19	1.19	1.19
45		3.40	3.42	65	0.59	0.34	0.00	0.00
50		2.95	2.40					
55		2.70	2.20					
60		2.50	2.20					
65		2.00	2.20					

# Summary of Actuarial Assumptions and Methods ... continued

# **Percent of Eligible Members Retiring Next Year (Superannuation)**

Retirement	Eligible for Re	duced Benefits	Eligible for Unro	educed Benefits
Age	Male	Female	Male	Female
50	10.00%	5.00%	25.00%	25.00%
51	10.00	5.00	25.00	25.00
52	10.00	6.00	25.00	25.00
53	10.00	7.00	30.00	25.00
54	10.00	8.00	30.00	30.00
55	10.00	9.00	35.00	35.00
56	10.00	10.00	30.00	15.00
57	10.00	12.00	30.00	20.00
58	11.00	12.00	30.00	20.00
59	12.00	13.00	30.00	20.00
60	13.00	14.00	30.00	20.00
61	14.00	14.00	35.00	20.00
62	15.00	15.00	40.00	25.00
63	15.00	17.00	35.00	20.00
64	15.00	20.00	35.00	25.00
65	0.00	0.00	40.00	30.00
66	0.00	0.00	25.00	25.00
67	0.00	0.00	25.00	25.00
68	0.00	0.00	25.00	25.00
69	0.00	0.00	25.00	25.00
70	0.00	0.00	100.00	100.00

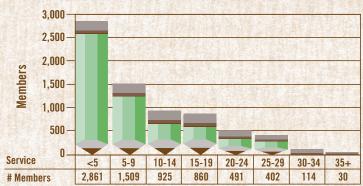
# **Individual Pay Increase Assumptions**

Sample Age	Merit and Longevity	Base Inflation	Increase Next Year	
20	5.00%	4.50%	9.50%	
25	4.50	4.50	9.00	
30	3.60	4.50	8.10	
35	2.80	4.50	7.30	
40	2.10	4.50	6.60	
45	1.40	4.50	5.90	
50	0.80	4.50	5.30	
55	0.40	4.50	4.90	
60	0.00	4.50	4.50	
65	0.00	4.50	4.50	

## Summary of Member Data

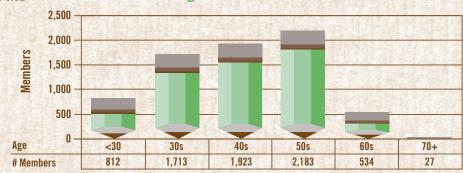
## **Active Members**





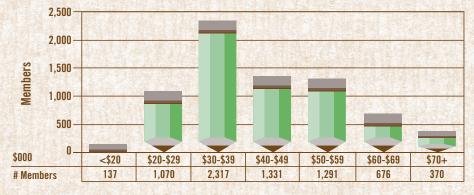
Total Number of Contributing Members: 7,192 Average Years of Service: 9.82

## **Active Member Ages**



### **Active Member Salaries**

Average Contributing Member Age: 44.6 years



Average Contributing Member Salary: \$43,820

# Schedule of Contributing, Affiliate and Deferred Member Valuation Data

Calendar Year Ending	Number of Contributing Members	Payroll at Valuation Date	Average Annual Salary	% Increase In Average Salary	Number of Affiliate Members	Number of Deferred Members
1999	6,677	\$264,079,000	\$39,551	2.29%	39	102
2000	7,182	292,404,000	40,713	2.94	31	120
2001	7,466	307,834,000	41,231	1.27	31	141
2002	7,691	331,607,000	43,116	4.57	31	187
2003	7,311	318,122,000	43,513	0.92	28	219
2004	7,192	315,157,000	43,820	0.71	31	276

# Summary of Member Data ... continued

# Schedule of Retirees and Beneficiaries Added to and Removed from Benefit Payroll

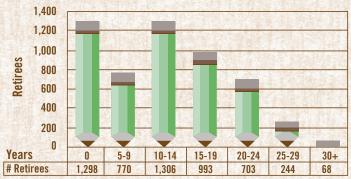
	Added to Payroll		Removed from Payroll		Payroll at End of Year		Average	% Increase
Calendar Year Ending	Number	Annualized Monthly Benefit	Number	Annualized Monthly Benefit	Number	Annualized Monthly Benefit	Annualized Monthly Benefit	in Annualized Benefit
1999	243	\$ 522,226	122	\$149,335	5,158	\$ 9,646,294	\$1,870	6.48%
2000	288	574,626	224	326,483	5,222	10,462,574	2,004	7.17
2001	476	1,281,629	184	300,047	5,514	11,781,954	2,137	6.64
2002	303	781,834	207	333,511	5,610	12,606,923	2,247	5.15
2003	260	665,284	171	283,937	5,699	13,397,013	2,351	4.63
2004	367	1,161,788	197	355,372	5,869	14,555,722	2,480	5.49

## **Retired Members**

#### **Retirement Benefits Paid**

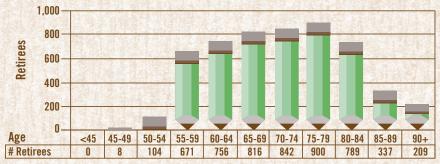


## **Average Years Since Retirement: 12.6\***



Average Years Since Retirement: 12.6\*





Average Retiree Age: 72.0\*

\* Includes regular and optional early retirements only. Total recipients: 5,382

## **Member and Employer Contribution Rates**

Year	Member Rate	Funding Policy Employer Rate	Actual Employer Rate
1995	6.0/7.0% (1)	16.27% <sup>(2)</sup>	16.27%
1996	6.0/7.0	16.01 (3)	16.01
1997	6.0/7.0	10.01 (4)	10.01
1998	6.0/7.0/8.0 (5)	3.47 (6)	3.47
1999	8.0	2.79 (7)	2.79
2000	8.0	2.90	2.90
2001	8.0	2.90	2.90
2002	8.0	2.90 (8)	2.90
2003	8.0	3.94 (9)	3.94
2004	8.0	6.55 <sup>(10)</sup>	6.55

- (1) Contribution rate was 7% for employees hired or rehired on or after 1/1/95.
- (2) Regular contribution rate was 12.50% and 3.77% for the 1992 Early Retirement Incentive Program (ERIP).
- (3) The total contribution rate from 1/1/96—6/30/96 was 16.27% and 15.75% from 7/1/96—12/31/96, composed of 12.25% regular contribution and 3.50% for the 1992 ERIP.
- (4) The rate from 1/1/97-7/16/97 was 15.75% and 4.26% from 7/17/97-12/31/97 as a result of the issuance of Pension Certificates of Participation.
- (5) The employee contribution rate increased to 8% on 7/1/98 for all active members.
- (6) The rate was 4.26% from 1/1/98–6/30/98 and 2.68% from 7/1/98–12/31/98.
- <sup>(7)</sup> The rate was 2.68% from 1/1/99–6/30/99 and 2.90% from 7/1/99–12/31/99.
- 8) The funding policy was amended so that changes in the required employer rate become effective on the July 1 that is 18 months after the end of the calendar year on which the actuarial valuation is based.
- (9) The rate was 2.90% from 1/1/03–6/30/03 and 4.98% from 7/1/03–12/31/03.
- (10) The rate was 4.98% from 1/1/04–6/30/04 and 8.12% from 7/1/04–12/31/04.

# Funding

## **Solvency Test**

The solvency test is used to test a system's funding progress. In this test, the actuarial valuation assets are compared to the total actuarial accrued liabilities relative to:

- 1. active member contributions on deposit
- 2. liabilities for future benefits to present retirees and beneficiaries
- 3. liabilities for service already rendered by active members

If the contributions to the System are level in concept and soundly contributed, and if the System continues in its present operational pattern for the indefinite future, the System will pay all promised benefits when due. The employer-financed portion of the aggregate accrued liabilities being fully funded is rare, but the issuance by the School District of Pension Certificates of Participation in July 1997, paid off the unfunded actuarial accrued liabilities of the System.

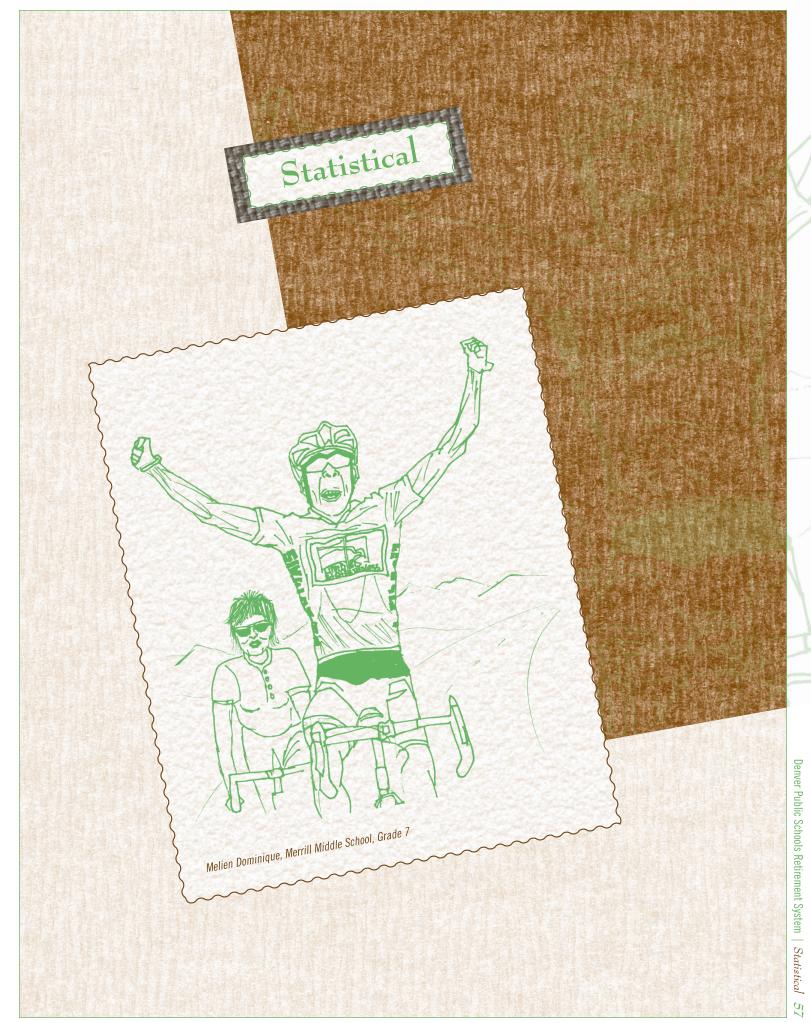
#### Dollars are expressed in thousands.

	Aggre	gate Accrued Liabiliti	es For				
Valuation	(1) Active Member	(2) Retirees and	(3) Employer- Financed	Valuation		ccrued Liabiliti overed By Asse	
Date	Contributions	Beneficiaries	Portion	Assets	(1)	(2)	(3)
1/1/00	\$194,748	\$1,237,311	\$551,341	\$2,044,332	100%	100%	100%
1/1/01	206,820	1,431,788	733,317	2,308,030	100	100	91
1/1/02	200,222	1,631,424	718,910	2,462,548	100	100	88
1/1/03	212,403	1,742,486	757,404	2,465,049	100	100	67
1/1/04	229,828	1,841,065	722,895	2,531,746	100	100	64
1/1/05	226,554	2,029,799	704,637	2,611,524	100	100	50

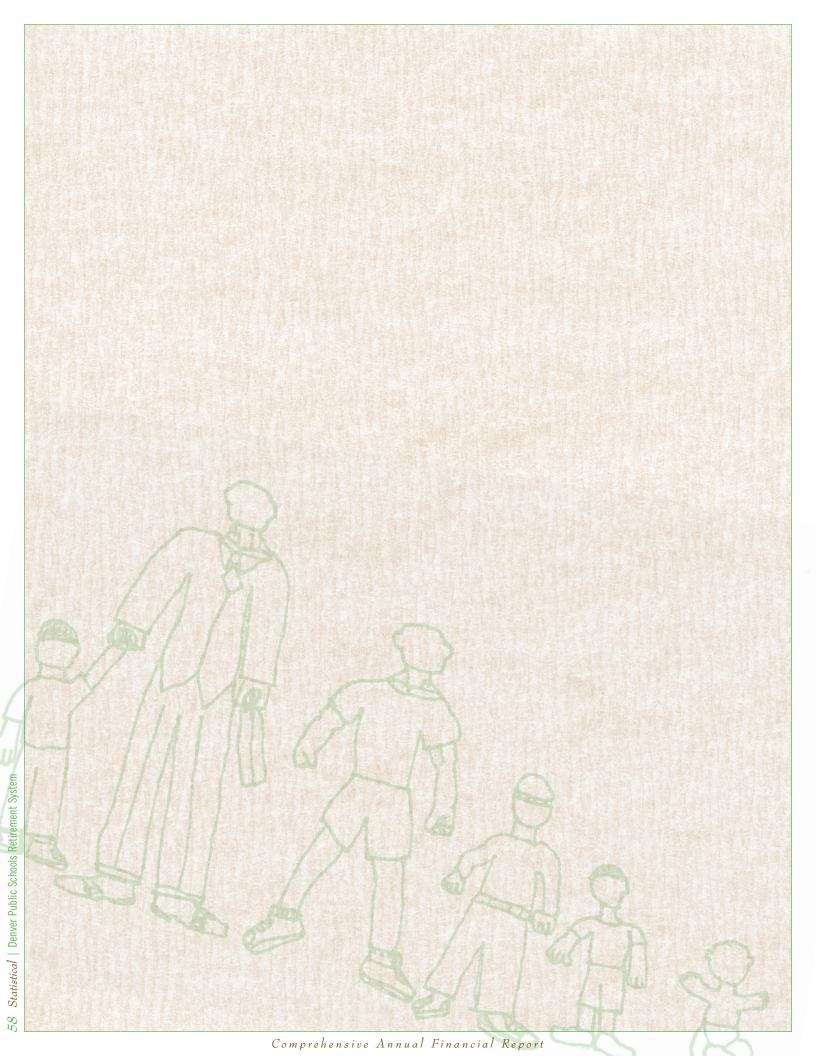
# Analysis of Financial Experience

Gains and Losses In Accrued Liabilities
During the Years Ended December 31, 2004 and 2003
Resulting From Differences Between
Assumed Experience and Actual Experience

	Gain (or Loss) for the Year			
Type of Activity	2004	2003		
Age & Service Retirements. Members retired at younger ages or with higher final average pay than assumed, causing a loss.	\$ (7,094,671)	\$ (1,209,767)		
<b>Disability Retirements.</b> Disability claims were more or less than assumed, causing a loss or a gain.	45,968	(609,631)		
<b>Death-in-Service Benefits.</b> Survivor claims were less or more than assumed, causing a gain or a loss.	(144,675)	22,042		
Withdrawal from Employment. More or fewer liabilities were released by withdrawals than assumed, causing a gain or a loss.	4,373,561	(520,067)		
New Entrants. New members entered the plan with some past service, causing a loss.	(5,677,574)	(2,722,872)		
Pay Increases. There were smaller pay increases than assumed, causing a gain.	32,996,399	42,232,133		
Investment Income. Recognized investment income was less than assumed, causing a loss.	(13,898,092)	(32,050,165)		
<b>Death After Retirement.</b> Retirees lived for a shorter period than assumed, causing a gain.	4,867,349	2,342,984		
Other. Miscellaneous gains and losses resulting from data adjustments, recognizing outside and non-qualified service for eligibility, timing of financial transactions, subsidized service purchases, valuation methods, etc.	(16,851,772)	(14,593,667)		
Loss During the Year from Financial Experience	\$ (1,383,507)	\$ (7,109,010)		



Comprehensive Annual Financial Report



## Schedules

# **Schedule of Average Benefit Payments**

Retirement Effective Dates		Years of Earned Service				
1/1/99 to 12/31/04	5–10	10–15	15–20	20-25	25-30	30 +
1999	4 057.50	4 75400	h 100011	4 1 071 01	A 0.050.00	4 2 2 2 2 2
Average Monthly Benefit	\$ 357.56	\$ 754.60	\$ 1,286.11	\$ 1,671.21	\$ 2,350.92	\$ 3,202.92
Average Highest Average Salary	\$ 2,275.74	\$ 2,549.87	\$ 3,191.19	\$ 3,178.43	\$ 3,668.41	\$ 4,199.02
Number of Active Retirees	4	14	22	30	60	79
2000						
Average Monthly Benefit	462.05	860.44	1,013.11	1,496.16	2,459.44	3,295.19
Average Highest Average Salary	2,677.47	2,955.91	2,486.83	2,712.81	3,725.52	4,254.75
Number of Active Retirees	6	7	20	16	46	64
2001						
Average Monthly Benefit	467.71	899.42	1,262.10	1,905.44	2,813.95	3,628.69
Average Highest Average Salary	2,697.14	2,877.47	2,987.44	3,345.98	4,032.72	4,381.01
Number of Active Retirees	5	20	29	40	117	187
2002						
Average Monthly Benefit	521.62	751.59	1,637.54	2,225.31	3,057.29	3,832.07
Average Highest Average Salary	3,128.32	2,329.31	3,901.55	3,900.38	4,335.07	4,550.10
Number of Active Retirees	9	10	30	31	53	95
2003						
Average Monthly Benefit	466.79	1,118.94	1,775.46	2,577.55	2,854.19	4,118.90
Average Highest Average Salary	2,692.13	3,492.59	3,964.47	4,466.57	4,060.62	4,821.75
Number of Active Retirees	2,032.13	19	30	4,400.37	4,000.02	4,021.73
Hamber of Notive Retifices	3	13	30	20	02	33
2004	470.00	1.005.10	1.004.01	0.040.01	0.170.00	4.070.00
Average Monthly Benefit	470.83	1,365.12	1,884.94	2,349.34	3,176.39	4,376.09
Average Highest Average Salary	2,370.10	4,276.25	4,295.87	4,146.06	4,515.08	5,203.43
Number of Active Retirees	6	16	44	28	90	112

# **Schedule of Benefit Expenses**

		<b>Retirement Benefits Pa</b>	id	
Calendar Year	Regular	Disability	Survivors	Total
1999	\$105,393,192	\$3,965,017	\$1,129,879	\$110,488,088
2000	111,724,928	4,292,644	1,161,674	117,179,246
2001	125,719,722	4,756,330	1,273,183	131,749,235
2002	137,126,610	5,178,892	1,298,875	143,604,377
2003	146,197,007	5,302,929	1,338,715	152,838,651
2004	156,551,097	5,582,568	1,339,824	163,473,489

# **Schedule of Revenues By Source**

			Employer		Net	
Calendar	Emp	loyee		% of Annual	Investment	
Year	Contributions	Assessments	Contributions	Covered Payroll	Income	Total
1999	\$20,649,845	\$641	\$ 7,140,565	2.79%	\$ 384,749,549	\$ 412,540,600
2000	22,869,611	0	8,007,508	2.90	185,639,527	216,516,646
2001	25,848,785	0	8,735,015	2.90	(140,078,546)	(105,494,746)
2002	28,275,170	0	9,473,361	2.90	(166,488,447)	(128,739,916)
2003	32,665,945	0	13,023,157	3.94	449,742,992	495,432,094
2004	25,992,388	0	21,142,815	6.55	278,447,116	325,582,319

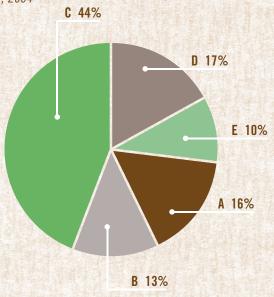
# **Schedule of Expenses By Type**

Calendar Year	Benefits	Administrative Expenses	Refunds	Other	Total
1999	\$110,488,088	\$1,668,830	\$3,369,172	\$ (27,483)	\$115,498,607
2000	117,179,246	1,849,893	4,355,309	(201,429)	123,183,019
2001	131,749,235	2,075,416	3,974,835	0	137,799,486
2002	143,604,377	2,301,329	3,346,228	0	149,251,934
2003	152,838,651	3,233,847	4,893,891	0	160,966,389
2004	163,473,489	3,568,221	6,154,132	0	173,195,842

# Retired Members and Beneficiaries By Option

# **Retirees and Beneficiaries By Option**

at December 31, 2004



Option	Annuity Description	Number
Α	Single Life	940
В	Installment Refund	738
С	Joint Survivorship	2,509
D	Cash Refund	983
Ε	Half Joint Survivorship	580

A description of the options is included in the Actuarial Section.

	A	В	C	D	E	Total
Superannuation and Early Retirement (Includes survivors of deceased employed	es)					
Males						
Number	138	141	1,521	147	218	2,165
Average Monthly Benefit	\$2,632	\$2,607	\$2,994	\$2,723	\$2,401	\$2,867
Females						
Number	603	563	908	807	336	3,217
Average Monthly Benefit	\$2,475	\$2,126	\$2,448	\$2,506	\$2,422	\$2,408
Total						
Number	741	704	2,429	954	554	5,382
Average Monthly Benefit	\$2,504	\$2,222	\$2,790	\$2,539	\$2,414	\$2,593
Regular Disability						
Males						
Number	53	8	40	4	11	116
Average Monthly Benefit	\$1,287	\$ 985	\$1,245	\$2,033	\$1,504	\$1,298
Females						
Number	146	26	40	25	15	252
Average Monthly Benefit	\$1,418	\$1,084	\$1,372	\$1,116	\$1,084	\$1,327
Total						
Number	199	34	80	29	26	368
Average Monthly Benefit	\$1,383	\$1,061	\$1,309	\$1,242	\$1,262	\$1,318
Survivors of Active Members and Disability	Deaths					
Number						119
Average Monthly Benefit					-	\$ 965
Grand Total						
Number						5,869
Average Monthly Benefit						\$2,480

# History of Contributions 1945-2004

Year	Employee Contribution	% of Salary	Employer Contribution	% of Salary
1945	\$ 20,970	6.00%	\$ -	0.00%
946	252,306	6.00	357,572	8.50
947	293,841	6.00	524,000	10.70
948	419,941	6.00	738,101	10.55
)49	506,202	6.00	1,168,423	13.85
350	569,934	6.00	1,257,920	13.24
951	635,309	6.00	1,436,528	13.57
52	723,415	6.00	1,582,645	13.13
153	793,869	6.00	1,709,244	12.92
54	950,743	6.00	2,290,531	14.46
55	1,068,710	6.00	2,335,859	13.11
956	1,192,281	6.00	2,517,771	12.67
157	1,297,257	6.00	2,638,519	12.20
)58	1,405,086	6.00	2,700,863	11.53
159	1,512,280	6.00	2,884,664	11.44
160	1,657,213	6.00	3,140,426	11.37
061	1,794,234	6.00	3,389,182	11.33
62	1,942,689	6.00	3,666,565	11.32
163	2,170,253	6.00	4,129,051	11.42
164	2,296,928	6.00	4,565,531	11.93
965		6.00		9.04
	2,405,285		3,623,247	
966	2,542,358	6.00	3,778,176	8.92
967	2,794,250	6.00	4,101,055	8.81
968	3,037,008	6.00	4,413,826	8.72
969	3,344,069	6.00	4,790,185	8.59
970	3,683,017	6.00	5,184,773	8.45
971	4,249,617	6.00	6,116,256	8.64
972	4,498,354	6.00	6,627,970	8.84
973	4,657,945	6.00	6,992,933	9.01
974	5,051,951	6.00	7,565,764	8.99
975	5,787,021	6.00	8,699,367	9.02
976	6,540,784	6.00	9,806,004	9.00
977	이 발생하다는 사람들은 사람들이 모든 사람들은 사람들은 사람들이 살아내는 사람들이 가장 하는 사람들이 되었다면 하는데 사람들이 모든 사람들이 모든 사람들이 모든 사람들이 모든 사람들이 모든 사람들이 모든 사람들이 되었다면 살아내는 사람들이 되었다면 살아내는 사람들이 되었다면 살아내는 것이 되었다면 살아내는 것이 없었다면 살아내는 것이었다면 살아내는 것이 없었다면 살아내는 것이었다면 살아내는 것이 없었다면 살아내는 것이었다면 살아나는 것이었다면 살아내는 것이었다면 살아나는 것이었다면 살아나요요. 얼마나는 것이었다면 살아나는 것이었다면 살아나요요. 얼마나요요요요요요요요요요요요요요요요요요요요요요요요요요요요요요요요요요요요	6.00		9.40
	6,761,325		10,597,741	
978	7,051,761	6.00	11,318,077	9.63
979	7,322,772	6.00	12,168,251	9.97
980	7,749,670	6.00	13,600,671	10.53
981	8,251,053	6.00	17,120,274	12.45
982	8,603,848	6.00	20,774,584	14.49
983	9,060,315	6.00	22,989,125	15.22
984	9,382,871	6.00	23,451,590	14.99
985	10,015,452	6.00	24,775,279	14.85
986	10,502,019	6.00	26,565,337	15.19
987	10,722,718	6.00	27,089,048	15.17
988	11,279,373	6.00	22,412,768	11.93
989	11,523,630	6.00	22,386,804	11.68
990	11,484,060	6.00		11.80
			22,589,146	
991	12,155,118	6.00	23,855,023	11.77
992	12,857,937	6.00	26,787,862	12.50
993	12,149,351	6.00	32,690,548	16.39
994	11,943,024	6.00	32,358,200	16.27
995	12,604,734	6.00/7.00	33,672,809	16.27
996	13,170,061	6.00/7.00	34,395,941	16.01
997	15,305,167	6.00/7.00	22,540,381	10.01
998	18,555,336	6.00/7.00/8.00	8,494,670	3.47
999	20,649,845	8.00	7,140,565	2.79
000	22,869,611	8.00	8,007,508	2.90
	지어의 사회 어린이는 이 속에 살아가지 않는 것이 없는 아이들이 없는 것이 되었다. 그는 그는 것은 그는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이다.	8.00		
001	25,848,785		8,735,015 0,473,361	2.90
002	28,275,170	8.00	9,473,361	2.90
003	32,665,945	8.00	13,023,157	3.94
004	25,992,388	8.00	21,142,815	6.55

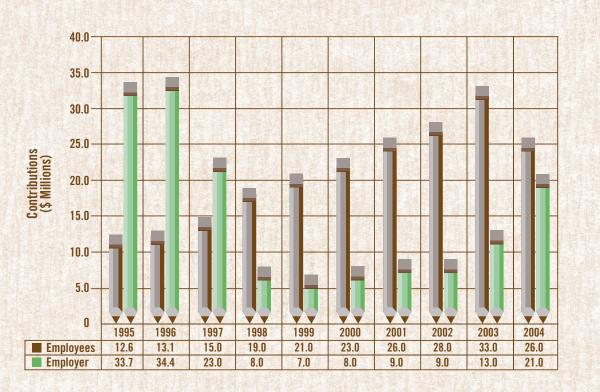
## Statistical Charts

## **Average Monthly Benefit**

Service Retirements 1999-2004



## Contributions 1995-2004



# $Statistical \mid$ Denver Public Schools Retirement System

# Schedule of Participating Employers

ACE Community Challenge 948 Santa Fe Drive Denver, CO 80204-3937

Big Picture High School #1 Skyland Community High School 5900 East 39th Avenue Denver, CO 80207-1232

Challenges, Choices, & Images 1537 Alton Street Aurora, CO 80010-1712

Colorado High School Charter 1175 Osage Street #100 Denver, CO 80204-3443

Denver Arts and Technology Academy 3752 Tennyson Street Denver, CO 80212-3709

Denver Public Schools Retirement System 1301 Pennsylvania Street Suite 700 Denver, CO 80203-5015

Highline Academy 7808 Cherry Creek Drive South Suite 304 Denver, CO 80231-3222

KIPP Sunshine Peak Academy 2280 West Holden Place Denver, CO 80204-3353

Life Skills Center of Denver 1000 Cherokee Street Denver, CO 80204-4039 Northeast Academy 4895 Peoria Street Denver, CO 80239-2409

Odyssey Charter 8800 East 28th Avenue Suite C Denver, CO 80238-2412

Omar D. Blair School 4905 Cathay Street Denver, CO 80249-8376

Pioneer Charter 3230 East 38th Avenue Denver, CO 80205-3726

School District No. 1 900 Grant Street Denver, CO 80203-2907

Southwest Early College 3001 South Federal Boulevard Box 114 Denver, CO 80236-0114

Urban Learning Communities Inc. P.S. 1 Charter 1062 Delaware Street Denver, CO 80204-4033

Wyatt-Edison Charter 3620 Franklin Street Denver, CO 80205-3325