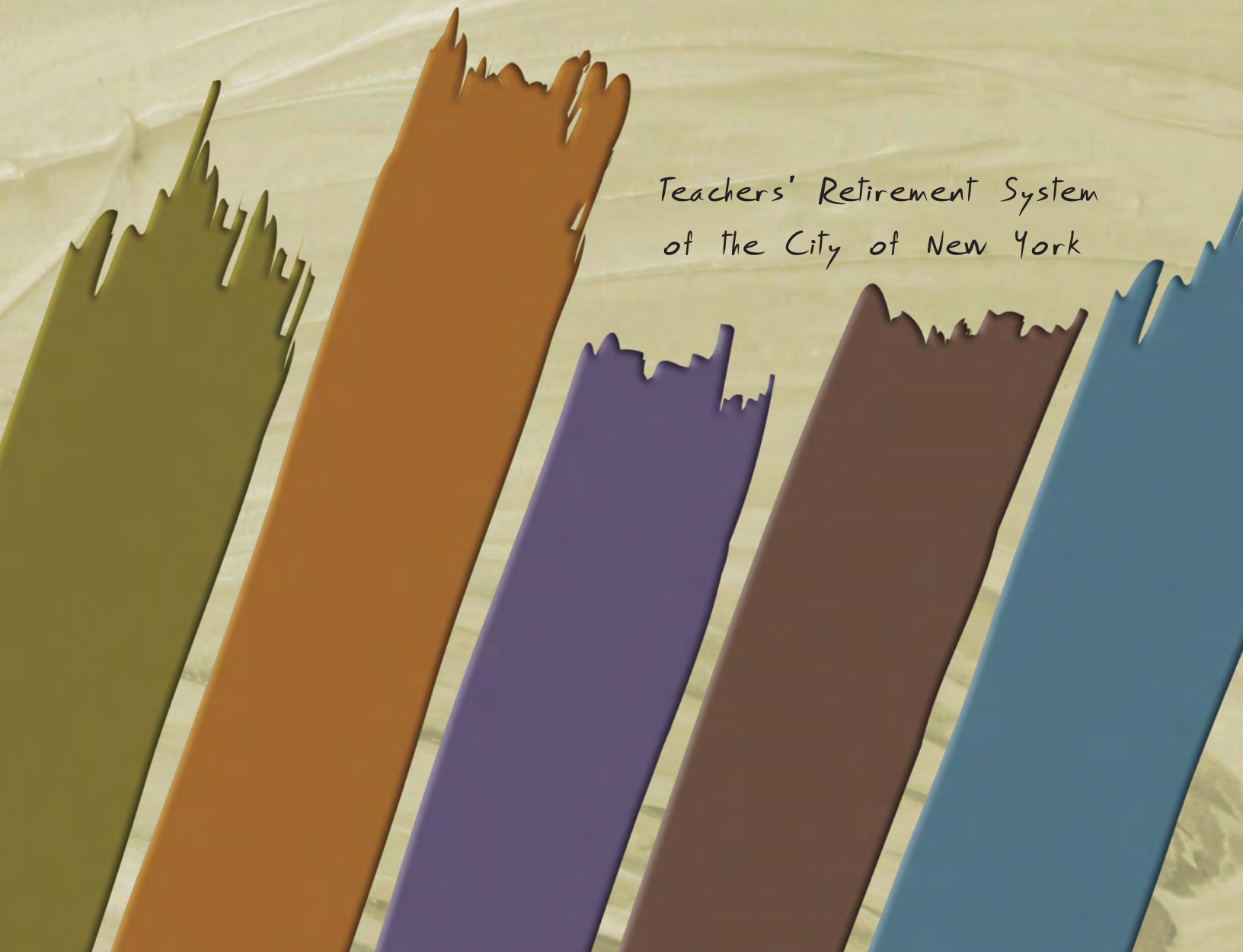




# 91<sup>st</sup> Annual Report

Fiscal Year Ended  
June 30, 2008

Teachers' Retirement System  
of the City of New York







# Teachers' Retirement System of the City of New York

55 Water Street  
New York, NY 10041  
1 (888) 8-NYC-TRS  
[www.trs.nyc.ny.us](http://www.trs.nyc.ny.us)



# Table of Contents

Introduction	1
Statistical Section	23
Financial Section: Qualified Pension Plan (QPP)	41
Financial Section: Tax-Deferred Annuity (TDA) Program	71
Actuarial Section	89







# Introduction

Transmittal Letter	3
Chief Accountant's Certification	5
Principal Advisors	6
Principal Officials	6
Financial Highlights	7
Providing Retirement Benefits	8
Offering Investment Choices	12
A Portrait of Our Members	20







TEACHERS' RETIREMENT BOARD  
TEACHERS' RETIREMENT SYSTEM  
55 WATER STREET, NEW YORK, N.Y. 10041

December 31, 2008

Board of Trustees  
Teachers' Retirement System of the City of New York (TRS)  
55 Water Street  
New York, NY 10041

The stock and bond markets experienced dramatic levels of volatility, and confidence in some of the country's largest financial institutions was shaken in Fiscal Year 2008. Despite this uncertainty, TRS members could rest assured that their pensions under our Qualified Pension Plan (QPP) remained secure. The foundation of that security is our adherence to sound investment principles—during both periods of stability and of turbulence.

Our members have the opportunity to supplement their defined-benefit pensions by participating in our optional Tax-Deferred Annuity (TDA) Program. This defined-contribution plan continued to attract nearly two-thirds of our in-service membership. As noted below, we renamed our existing investment options to better reflect their objectives and announced that three new investment options would be available on July 1. *(In most places in this Report, the new names of our investment options will be shown.)*

Throughout this challenging year, we also remained focused on improving operational efficiency and delivering superior service to more than 182,000 in-service members, retirees, and beneficiaries. Below is a summary of significant developments that affected TRS and our members in Fiscal Year 2008.

### Financial and Investment Overview

TRS' investment programs reflected the struggling domestic and global economies; however, our ability to fund retirement benefits remained undiminished.

Total assets in the QPP were \$39.17 billion in Fiscal Year 2008, compared with \$46.09 billion in Fiscal Year 2007. Total assets in the TDA Program grew from \$18.48 billion in the previous year to \$18.58 billion this fiscal year. The Pension Fund and Diversified Equity Fund (formerly the Variable A Annuity Program) yielded annual returns of -6.21% and -11.73%, respectively, decreases from the previous year's returns of 17.46% and 20.16%. The Stable-Value Fund (formerly the Variable B Annuity Program) exhibited strength with a 4.36% return, compared with the previous year's yield of 4.12%.

### Major Initiatives and Objectives

During Fiscal Year 2008, we made significant strides in meeting key operational and strategic initiatives:

- **New Investment Lineup** – Our existing investment options were renamed: Fixed Return Fund (Fixed Annuity Program); Diversified Equity Fund (Variable A Annuity Program); and Stable-Value Fund (Variable B Annuity Program). We also announced three new variable annuity programs as of

## Introduction

July 1, 2008—the International Equity Fund, Inflation Protection Fund, and Socially Responsive Equity Fund. Our new investment lineup is collectively known as the Passport Funds. In addition to doubling the investment options available to our members, we introduced features that provide them with more investment control and flexibility. The six Passport Funds are available to in-service members and retirees under our TDA Program and Tiers I/II in-service members and retirees under the QPP.

- **Major Legislation** – We implemented the Age 55 Retirement Program following the enactment of Chapter 19 of the Laws of 2008 by New York State. The program, established in late February 2008 and affecting the majority of our membership, allows eligible members to retire with unreduced benefits as early as age 55, provided they meet applicable service credit requirements.
- **Website Enhancements** – We upgraded our website with expanded functionalities, including a new Retirement Allowance Calculator for in-service members, and access for retirees to their payment histories. These efforts were accompanied by enhancements to data security, which TRS continues to view as a top priority.
- **Streamlined Processing** – Building on momentum from the prior fiscal year, we increased automation of service-credit processing. As a result, we can address members’ service credit issues in a timelier manner.
- **Business Continuity** – We continued to strengthen our capability to perform critical business operations in the event of a disaster or emergency.
- **Process Improvement** – We established “Continuous Quality Improvement” teams that are working to examine, improve, and monitor many of our core business processes. Our goal is to establish high-quality processes that can evolve to accommodate new challenges over time.

## Acknowledgements

Once again, we thank the Trustees of the Teachers’ Retirement Board for their support and dedication, and we thank the entire staff of TRS for its commitment and diligence. We also thank the Office of the Comptroller for its investment services, the Office of the Actuary for its actuarial services, and the City’s Corporation Counsel for its legal services.

We are pleased to present you with this *91st Annual Report*. On the next several pages, we have summarized the fiscal year’s most important financial and membership data. In other sections of the book, you will find detailed statistical, financial, and actuarial information. We hope that you find it informative.



**Nelson Serrano**  
**Executive Director**



**Paul J. Raucci**  
**Chief Accountant**

## CHIEF ACCOUNTANT'S CERTIFICATION

The management of the Teachers' Retirement System of the City of New York (TRS) is responsible for establishing and maintaining an internal control structure designed to provide reasonable assurance that TRS' assets are protected from loss, theft, or misuse, and that adequate accounting data are compiled to allow for the preparation of financial statements in conformity with generally accepted accounting principles. The concept of reasonable assurance recognizes that:

- the cost of a control should not exceed the benefits likely to be derived from it; and
- the valuation of costs and benefits requires estimates and judgment by management.

I hereby certify that the following consolidated financial statements and attached schedules of the Qualified Pension Plan and the Tax-Deferred Annuity Program were prepared under the direction and supervision of the Chief Accountant, that they give a complete and correct exhibit of TRS' financial operations from July 1, 2007 to June 30, 2008, and that on June 30, 2008, the assets and liabilities were as enumerated to the best of my knowledge and belief.



Paul J. Raucci  
Chief Accountant  
Teachers' Retirement System  
of the City of New York

## PRINCIPAL ADVISORS

### TEACHERS' RETIREMENT BOARD

**MARTHA E. STARK, CHAIRPERSON**  
**MELVYN AARONSON**  
**KATHLEEN GRIMM**  
**JOSEPH HASLIP**  
**SANDRA MARCH**  
**MONA ROMAIN**

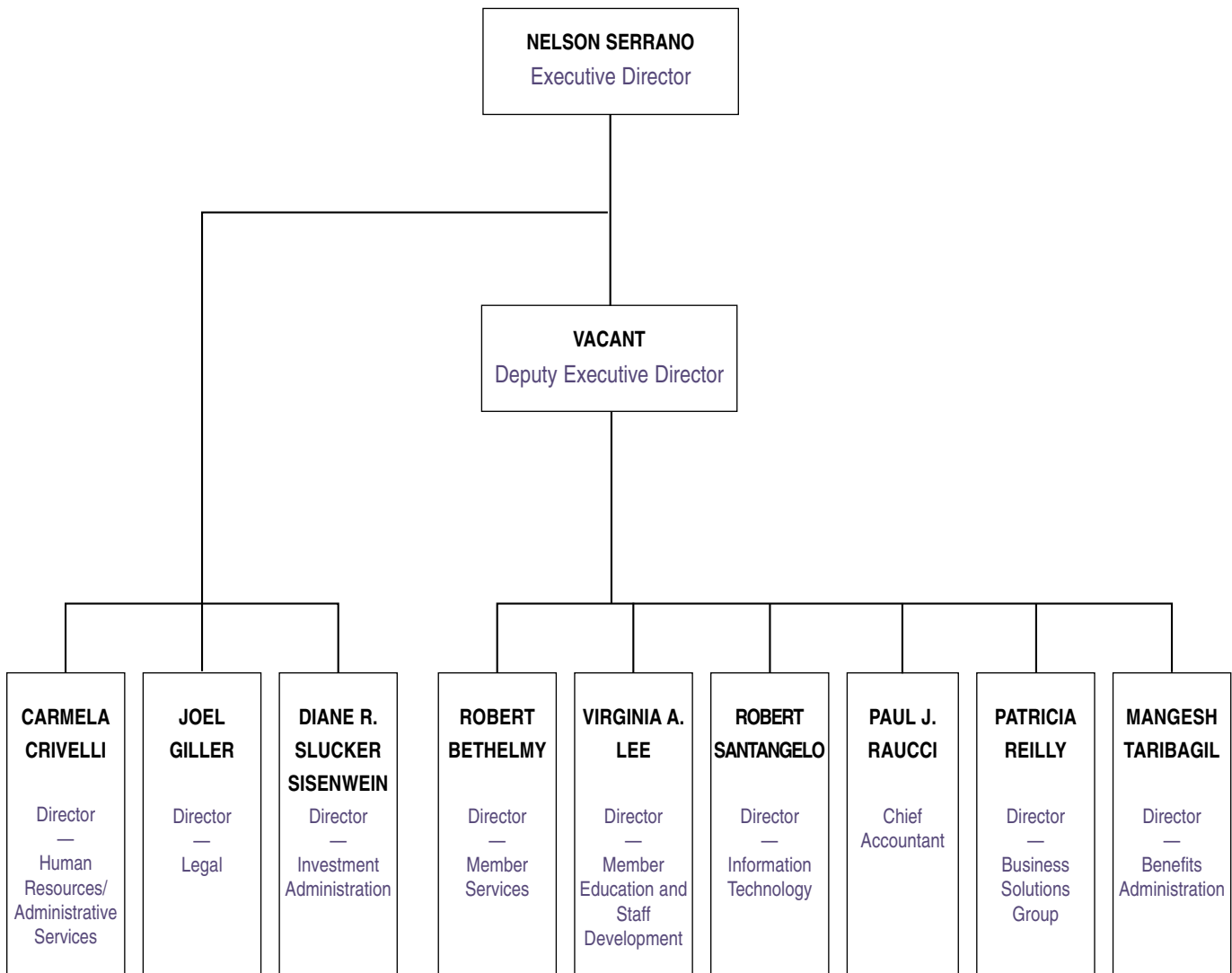
### MEDICAL BOARD

**LAURA BRUMBERG, M.D.**  
**ALAN DAVID, M.D.**  
**WALTER F. PIZZI, M.D.**

### CHIEF ACTUARY

**ROBERT C. NORTH, JR.**

## PRINCIPAL OFFICIALS



## FINANCIAL HIGHLIGHTS

(In Thousands)

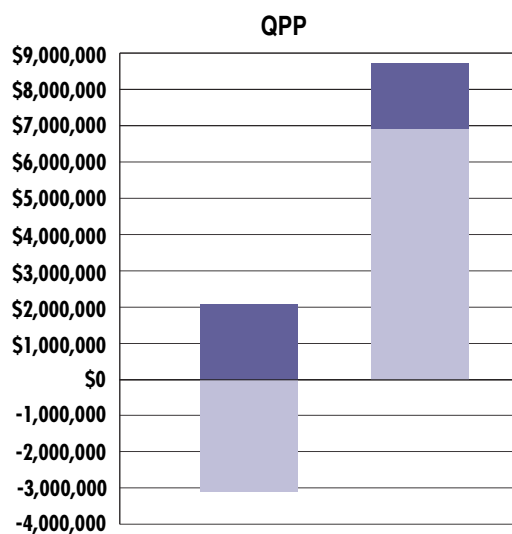
	2008	2007
<b>QUALIFIED PENSION PLAN (QPP)</b>		
Total Assets (As of June 30)	\$ 39,170,094	\$ 46,088,856
Total Investments	\$ 38,072,605	\$ 44,671,784
Total Receivables, Cash, and Other Assets	\$ 1,097,489	\$ 1,417,072
Total Liabilities (As of June 30)	\$ 6,872,230	\$ 8,946,065
Net Assets Held in Trust for Pension Benefits (As of June 30)	\$ 32,297,864	\$ 37,142,791
Total Revenue (For the Fiscal Year)	\$ (974,793)	\$ 8,618,452

### TAX-DEFERRED ANNUITY (TDA) PROGRAM

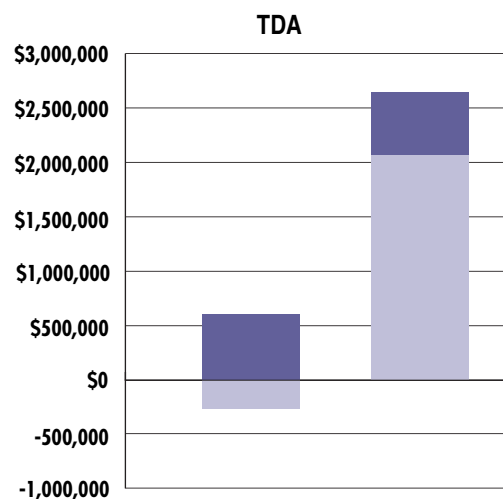
Total Assets (As of June 30)	\$ 18,579,574	\$ 18,475,528
Total Investments	\$ 18,227,212	\$ 18,132,081
Total Receivables and Cash	\$ 352,362	\$ 343,448
Total Liabilities (As of June 30)	\$ 2,311,702	\$ 2,095,531
Net Assets Held in Trust for Benefits (As of June 30)	\$ 16,267,873	\$ 16,379,997
Total Revenue (For the Fiscal Year)	\$ 338,539	\$ 2,640,847

## TOTAL REVENUE

(In Thousands)



As of June 30	2008	2007
INVESTMENT (LOSS) INCOME	\$ (3,061,198)	\$ 6,851,923
TOTAL CONTRIBUTIONS	\$ 2,086,405	\$ 1,766,529
TOTAL REVENUE	\$ (974,793)	\$ 8,618,452



As of June 30	2008	2007
INVESTMENT (LOSS) INCOME	\$ (264,190)	\$ 2,061,466
TOTAL CONTRIBUTIONS	\$ 602,749	\$ 579,381
TOTAL REVENUE	\$ 338,559	\$ 2,640,847

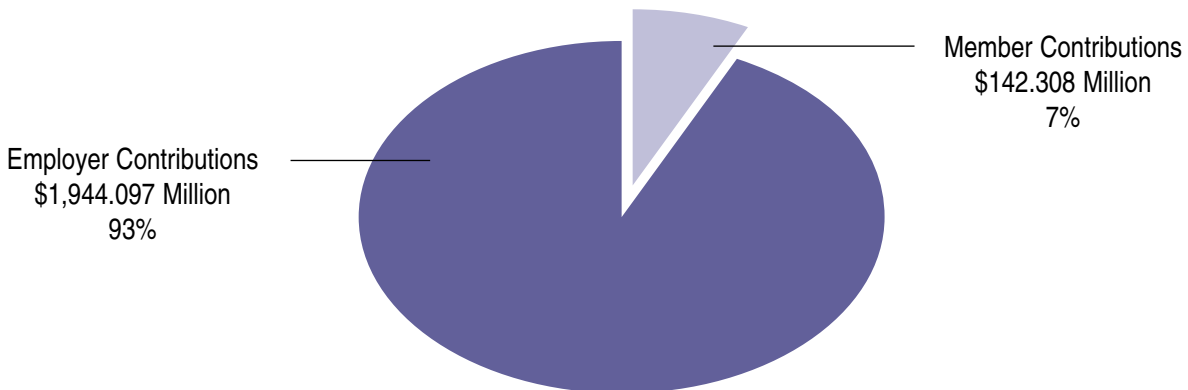
# Providing Retirement Benefits

The Teachers' Retirement System of the City of New York (TRS) was established on August 1, 1917 and has since grown into one of the 30 largest pension funds in the U.S. Our programs impact more than 182,000 in-service members, retirees, and beneficiaries. Our mission is to “provide retirement, disability, and death benefit services to our members, including the efficient collection of contributions, the prudent investment of retirement funds, the responsible disbursement of member benefits, and the delivery of exceptional levels of member service.”

Among the many services we provide our membership, TRS' primary responsibility remains managing and distributing our members' retirement benefits. In order to receive a retirement allowance, all TRS members participate in the Qualified Pension Plan (QPP), a retirement plan administered under Section 401(a) of the Internal Revenue Code. The QPP combines features of a defined-benefit pension plan with those of a defined-contribution pension plan.

Contributions to the QPP totaled \$2,086.405 million during the 2008 Fiscal Year. Employer contributions represented \$1,944.097 million, while the remaining \$142.308 million came from member contributions. As of the end of the fiscal year, 112,472 members were on payroll. Accordingly, the average employer contribution was \$17,285 per member and the average member contribution was \$1,265.

## TOTAL CONTRIBUTIONS—QPP 2008 Fiscal Year—\$2,086.405 Million



At the end of the 2008 Fiscal Year, 69,775 members and beneficiaries were receiving QPP retirement allowances totaling \$3.07 billion. The chart below organizes this information by members' type of retirement.

### RETIREMENT ALLOWANCES UNDER THE QPP

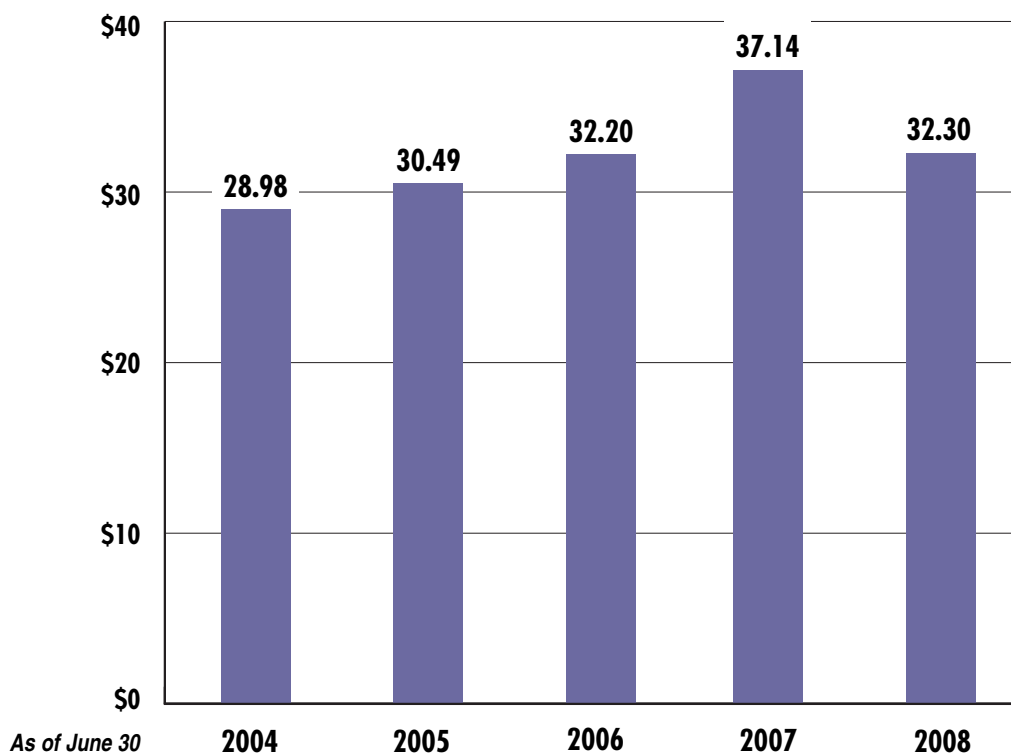
*As of June 30, 2008*

	Service	Ordinary Disability	Accident Disability	Beneficiary
Retirees and Beneficiaries Receiving QPP Allowances	63,337	2,043	573	3,822
Total Annual Allowances Paid	\$ 2,888,552,067	\$ 42,663,058	\$ 22,620,672	\$ 111,189,035
Average Annual Retirement Allowance	\$ 45,606	\$ 20,883	\$ 39,478	\$ 28,109

TRS' ability to fund QPP retirement benefits remained strong, with \$32.30 billion of net assets held in trust for pension benefits as of June 30, 2008.

### NET ASSETS HELD IN TRUST FOR PENSION BENEFITS—QPP

*(In Billions)*



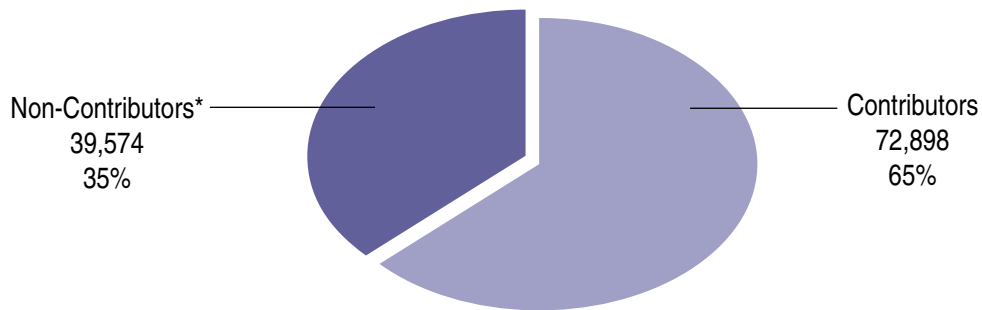


## Introduction

While members are required to make QPP contributions, their participation in the Tax-Deferred Annuity (TDA) Program is optional. A defined-contribution plan under Section 403(b) of the Internal Revenue Code, the TDA Program allows in-service members to defer taxes on the portion of their salary that they invest. The TDA Program is funded exclusively through members' contributions, interest earned, and investment returns. As of the end of the fiscal year, 72,898 members were contributing to the TDA Program through salary deductions.

### MEMBER PARTICIPATION IN THE TDA PROGRAM

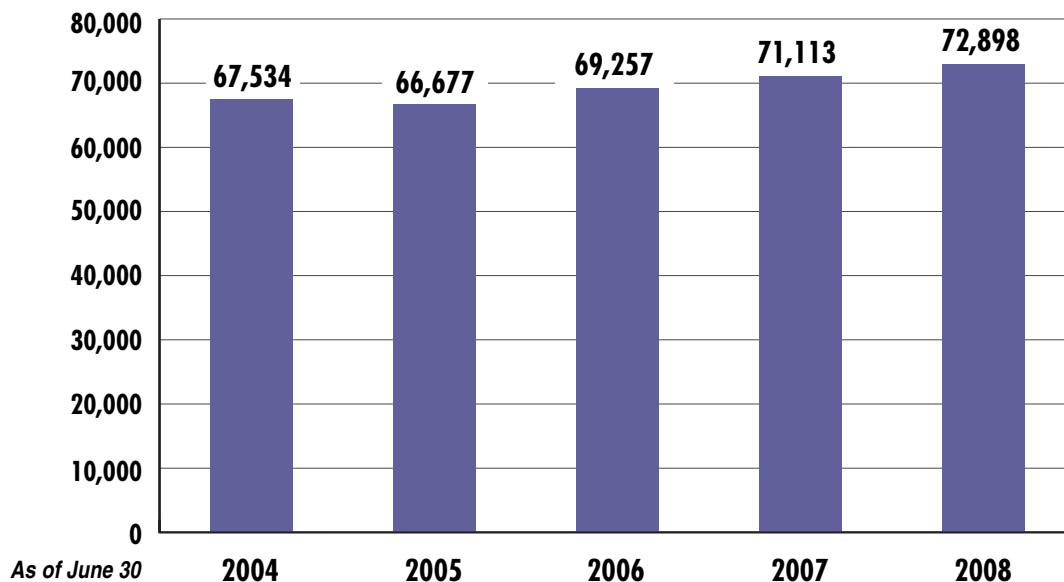
As of June 30, 2008



\* This total includes members who have made TDA contributions but were not contributing as of June 30, 2008.

This year's figure, representing 65% of TRS' in-service membership, indicates that our members continue to understand the importance of actively planning for their financial future.

### MEMBERS MAKING TDA CONTRIBUTIONS



## Introduction

At retirement, TDA participants may elect to receive their TDA funds as an annuity separate from their QPP retirement allowance. At the end of the 2008 Fiscal Year, 3,857 members and beneficiaries (or 5.53% of those receiving QPP allowances) were receiving TDA annuities; these annuities totaled \$36.1 million. The chart below organizes this TDA information by members' type of retirement under the QPP.

### ANNUITIES UNDER THE TDA PROGRAM

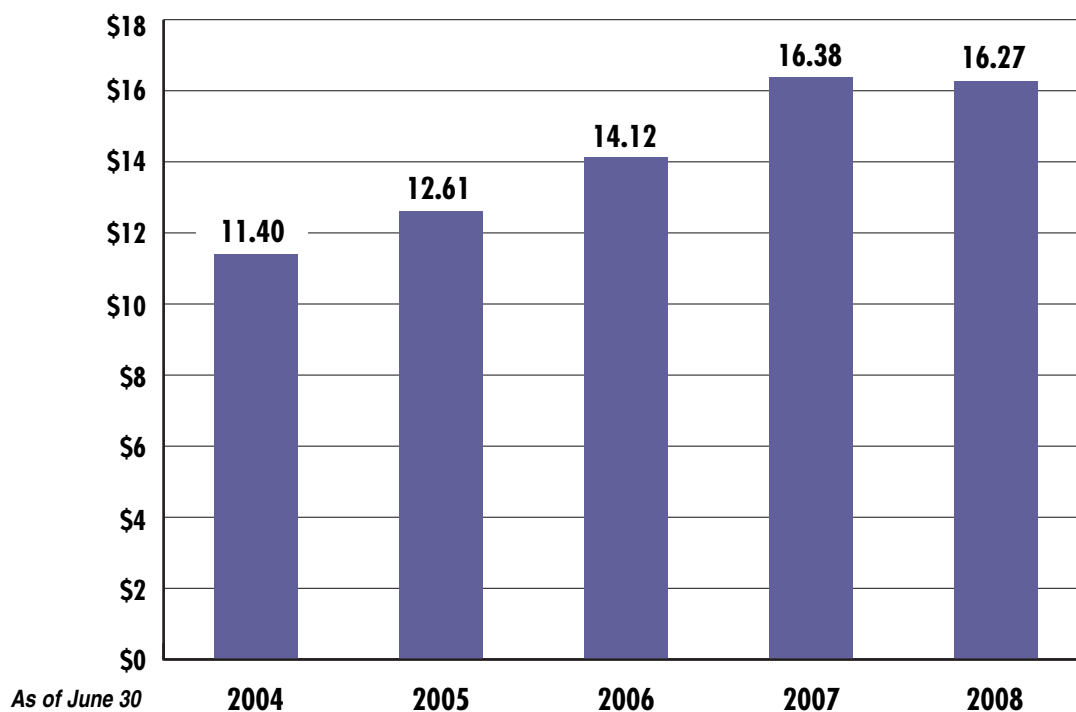
*As of June 30, 2008*

	Service	Ordinary Disability	Accident Disability	Beneficiary
Retirees and Beneficiaries Receiving TDA Annuities	2,908	230	31	688
Total Annual Annuities Paid	\$ 29,086,594	\$ 1,538,731	\$ 154,084	\$ 5,292,261
Average Annual Annuity	\$ 10,002	\$ 6,690	\$ 4,970	\$ 7,692

TRS' ability to fund TDA benefits also remained extremely strong, with \$16.27 billion of net assets held in trust for TDA benefits as of June 30, 2008.

### NET ASSETS AVAILABLE FOR BENEFITS—TDA PROGRAM

*(In Billions)*



# Offering Investment Choices

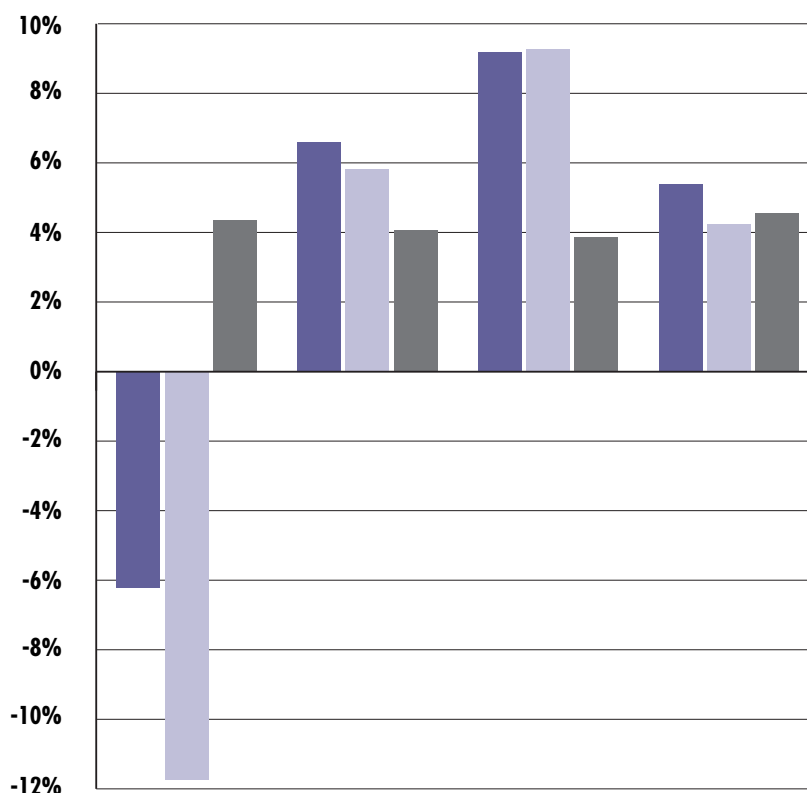
Through the Qualified Pension Plan (QPP), TRS provides retirement allowances to our members. Through the Tax-Deferred Annuity (TDA) Program, we enable members to build additional personal savings for retirement. Through June 30, 2008, three investment options were available under these plans: the Fixed Return Fund (formerly the Fixed Annuity Program), the Diversified Equity Fund (formerly the Variable A Annuity Program), and the Stable-Value Fund (formerly the Variable B Annuity Program).

The portfolios are structured differently (see pages 15-19 for descriptions) to allow members to diversify and customize their investments.

PENSION FUND	DIVERSIFIED EQUITY FUND	STABLE-VALUE FUND
(Member Contributions, Pension Reserve Funds & ITHP Contributions)	(Member Contributions & ITHP Contributions)	(Member Contributions & ITHP Contributions)
Tiers I/II QPP funds in the Fixed Return Fund	Tiers I/II QPP funds in the Diversified Equity Fund	Tiers I/II QPP funds in the Stable-Value Fund
+		
All Tiers III/IV QPP Funds	+	+
+		
All Tiers' TDA funds in the Fixed Return Fund	All Tiers' TDA funds in the Diversified Equity Fund	All Tiers' TDA funds in the Stable-Value Fund

*Note: Members' QPP accounts receive additional contributions from their employer: "Pension Reserve" funds, which are invested in the Pension Fund, are provided to all members on a statutory basis consistent with generally accepted actuarial principles; actuarial variations are performed annually as of June 30. "Increased-Take-Home Pay" (ITHP) funds, provided by the City of New York to Tier I and Tier II members only, are invested according to member designation in any combination of the three investment programs.*

## ANNUALIZED INVESTMENT PERFORMANCE



	<b>1 YEAR</b> 7/1/07 to 6/30/08	<b>3 YEARS</b> 7/1/05 to 6/30/08	<b>5 YEARS</b> 7/1/03 to 6/30/08	<b>10 YEARS</b> 7/1/98 to 6/30/08
<b>Pension Fund</b>	-6.21%	6.60%	9.20%	5.40%
<b>Diversified Equity Fund</b>	-11.73%	5.83%	9.27%	4.24%
<b>Stable-Value Fund</b>	4.36%	4.08%	3.86%	4.56%

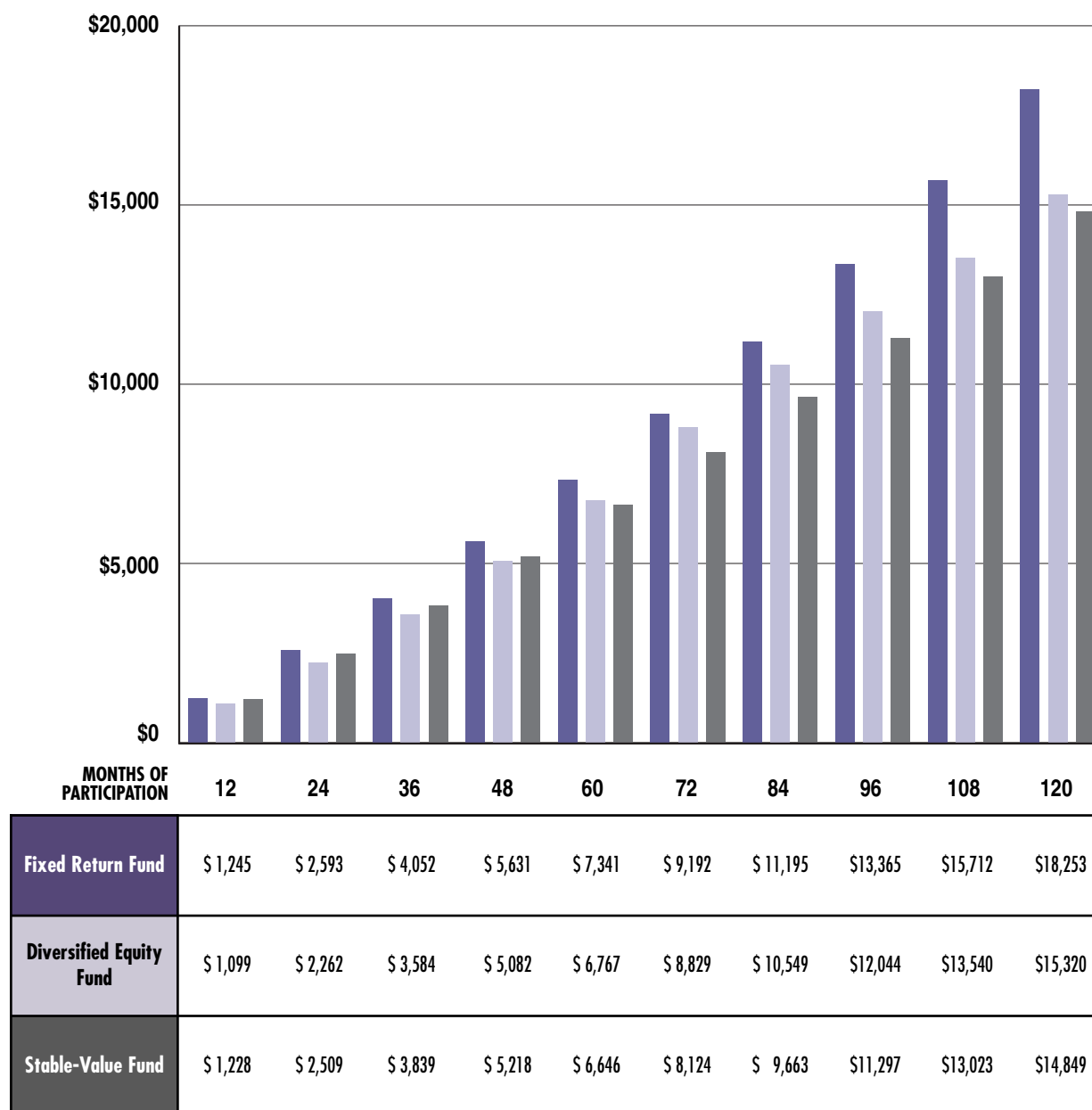
- The Pension Fund yielded a -6.21% return; participants in the Fixed Return Fund continued to receive a guaranteed 8.25% return.
- The Diversified Equity Fund yielded a -11.73% return, and the Fund's unit value decreased from \$74.093 in July 2007 to \$62.888 in July 2008.
- The Stable-Value Fund yielded a 4.36% return, and the Fund's unit value increased from \$19.456 in July 2007 to \$19.525 in July 2008.

*Note:* The July unit values were based on the portfolios' returns as of June 30.

The table below compares accumulations as of June 30, 2008, based on assumed contributions of \$100.00 per month into each of the Fixed Return, Diversified Equity, and Stable-Value Funds.

### 10-YEAR COMPARISON OF ACCUMULATIONS IN TRS' INVESTMENT PROGRAMS

*As of June 30, 2008*



**Pension Fund**  
**Performance Highlights**  
**Return: -6.21%**  
**Total Investments: \$36.665 Billion**

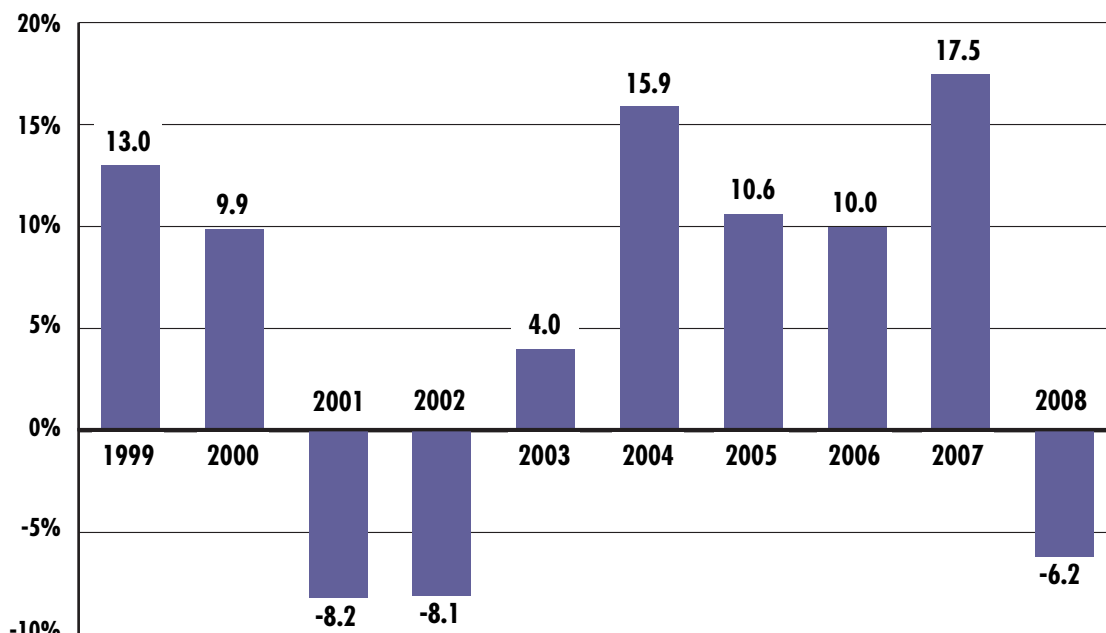
During Fiscal Year 2008, the Pension Fund’s portfolio, consisting primarily of equities and fixed-income instruments, yielded a return of -6.21% after fees and expenses. This was a decrease from the 17.46% return for Fiscal Year 2007.

The Pension Fund includes all Tiers III/IV QPP funds, as well as QPP and TDA Funds invested by members in the Fixed Return Fund. The Fixed Return Fund offers a guaranteed rate of return of 8.25% set by the New York State Legislature, in accordance with applicable laws. This rate is guaranteed through June 30, 2009; the rate is guaranteed not to fall below 7%.

The Comptroller of the City of New York invests the Pension Fund’s holdings in a diversified portfolio, as authorized by the Teachers’ Retirement Board. This portfolio consists of U.S. and international equities and fixed-income instruments with smaller allocations to private equity and real estate investments.

A percentage breakdown of the Pension Fund by asset class appears on page 19.

**PENSION FUND ANNUAL RATE OF RETURN\***  
*Fiscal Year Ended June 30*



\* After expenses

## Diversified Equity Fund

### Performance Highlights

**Return: -11.73%**

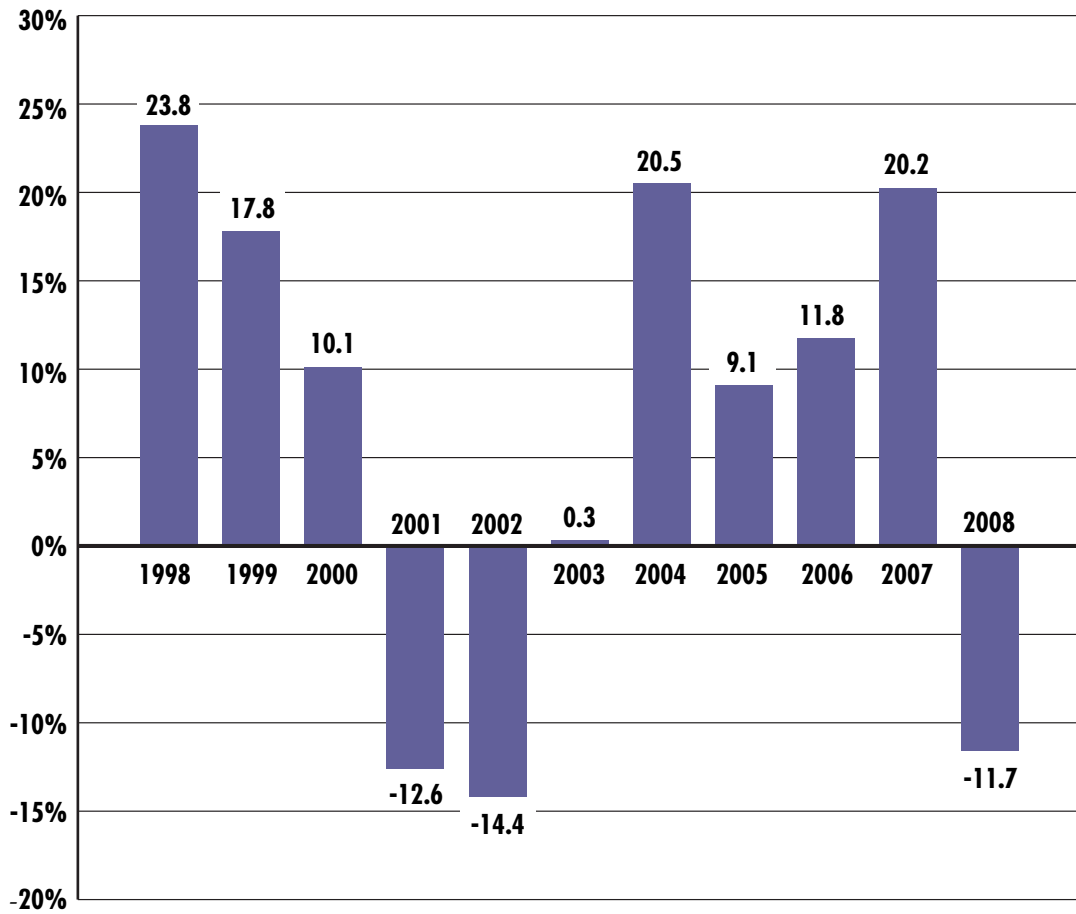
**Total Investments: \$12.508 Billion**

For the fiscal year ended June 30, 2008, the Diversified Equity Fund returned -11.73% after fees and expenses. The Diversified Equity Fund is invested in a diversified blend of investments that historically has made it less volatile than the overall U.S. equity market. The Diversified Equity Fund slightly underperformed the hybrid benchmark's return of -11.01%. The hybrid benchmark, which includes no fees, provides a passive reflection of the Diversified Equity Fund's actual asset allocation among major asset categories, such as domestic stocks, domestic fixed-income securities, and international equities.

- The Passive Core sector returned -12.70%, slightly underperforming the Russell 3000 Index's return of -12.69%.
- The Active Domestic Equity sector returned -12.31%, overperforming the Russell 3000 Index by 38 basis points (0.38%). This sector is predominantly allocated to the risk-controlled composite, which returned -13.28%. A smaller allocation to the eclectic composite returned -9.36%.
- The Defensive Strategies sector earned -8.77%, underperforming the sector's benchmark (60% S&P 500/40% Lehman Brothers Long Treasury Bond Index), which returned -4.11%.
- The International Equity sector earned -10.45%, underperforming its Morgan Stanley Capital International Europe-Australasia-Far East (MSCI EAFE) benchmark, which returned -10.15%. International equity is included in the portfolio to diversify the overall mix within the Diversified Equity Fund. A percentage breakdown of the Diversified Equity Fund by asset class appears on page 19.



**DIVERSIFIED EQUITY FUND ANNUAL RATE OF RETURN\***  
*Fiscal Year Ended June 30*



\* After expenses

## Stable-Value Fund

### Performance Highlights

**Return: 4.36%**

**Total Investments: \$0.384 Billion**

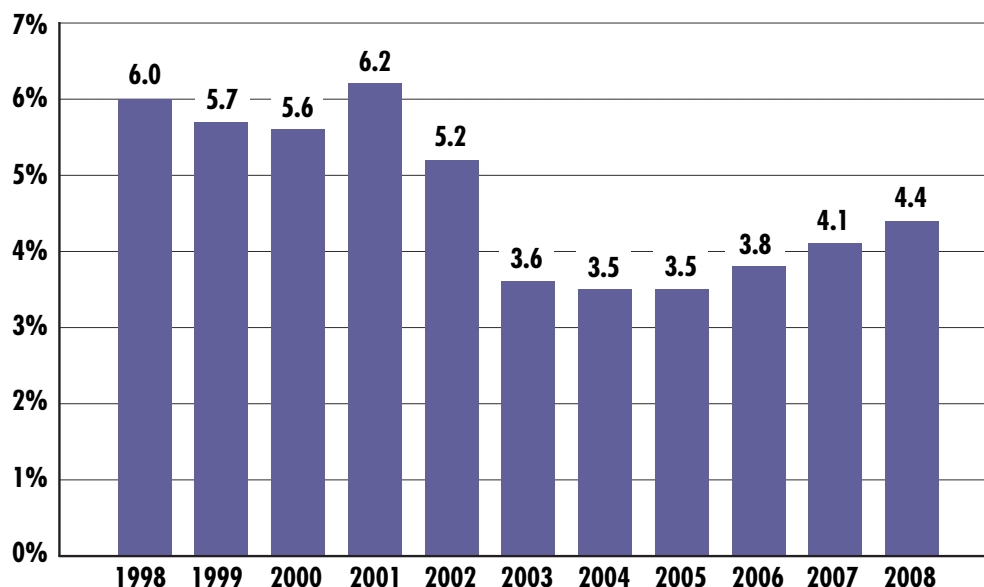
The Stable-Value Fund's portfolio earned 4.36% after fees and expenses for the fiscal year ended June 30, 2008. The Stable-Value Fund's return underperformed the Ryan Three-Year GIC Index, which yielded a return of 4.73%. This index measures the return of the ten highest-yielding three-year Guaranteed Investment Contracts (GICs) issued by insurance companies. The Stable-Value Fund underperformed a market-valued benchmark, the Merrill Lynch 1-3 Year Treasury Index; this index had a 7.30% annual return.

Consistent with its objectives, the Stable-Value Fund's assets are invested in Guaranteed Investment Contracts (GICs), wrapped fixed-income securities, and other stable-value investment vehicles. Conventional GICs are securities, issued by high-quality life insurance companies, which usually carry a fixed rate of interest for a stated time.

Synthetic GICs are also stable-value investments, but they consist of a single high-quality bond, or a portfolio of high-quality bonds, combined with a "wrap." A portfolio is "wrapped" when an insurance company or bank issues a form of investment contract (or "wrapper agreement") providing a guarantee that member withdrawals from the portfolio will not be adjusted for changes in market conditions. A percentage breakdown of the Stable-Value Fund by asset class appears on page 19.

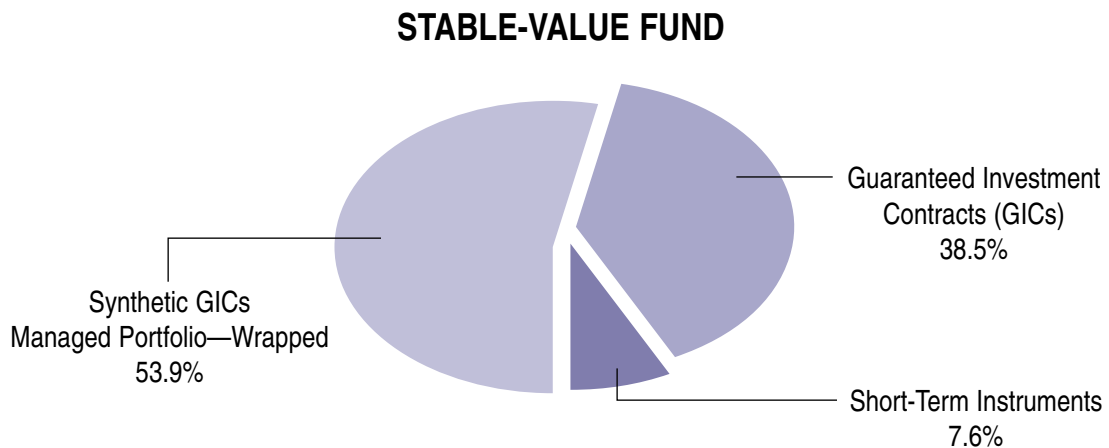
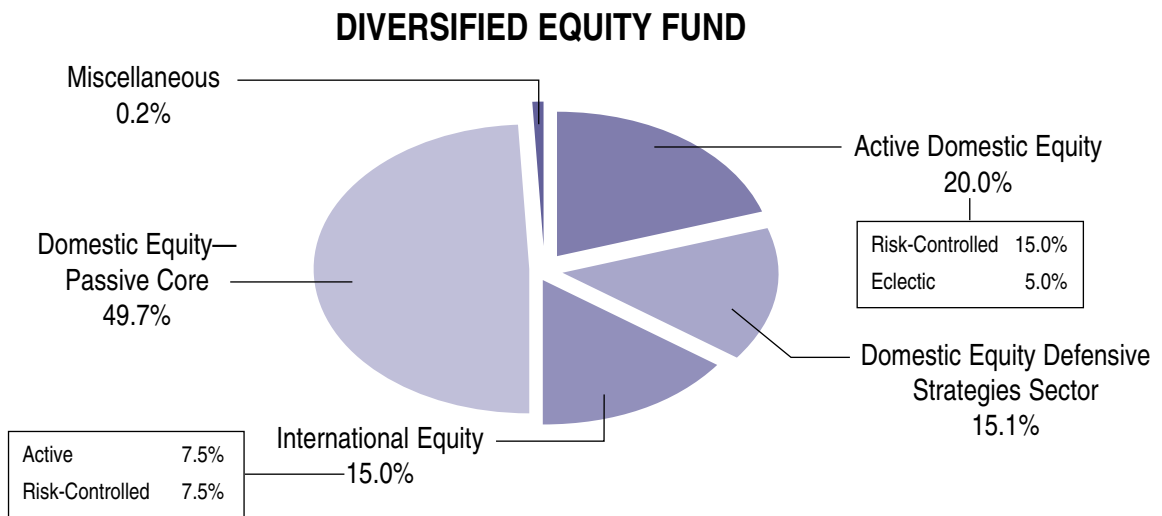
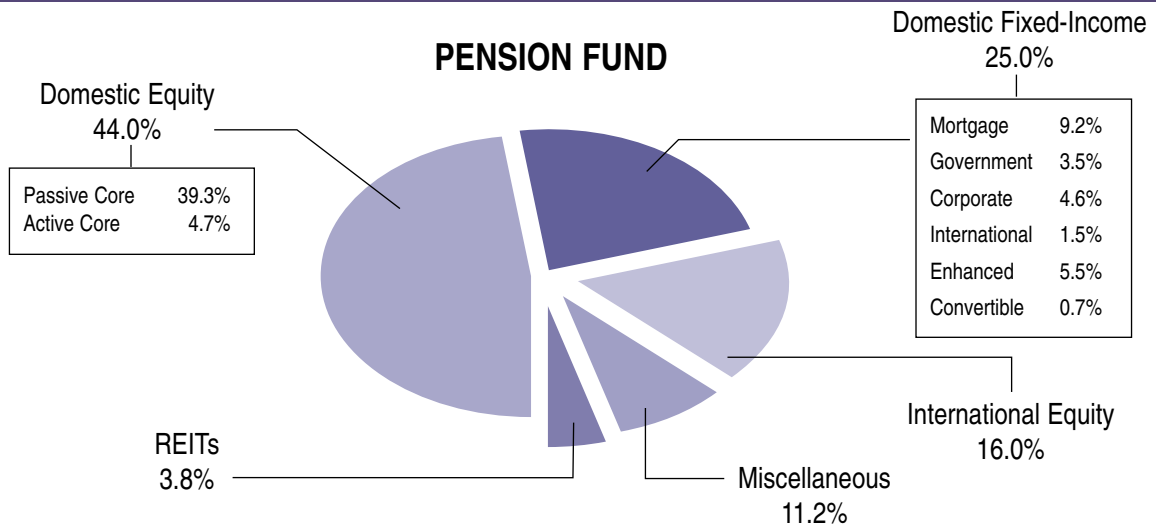
### STABLE-VALUE FUND ANNUAL RATE OF RETURN\*

*Fiscal Year Ended June 30*



\* After expenses

**FUND ALLOCATION BY ASSET CLASS**  
As of June 30, 2008



# A Portrait of Our Members

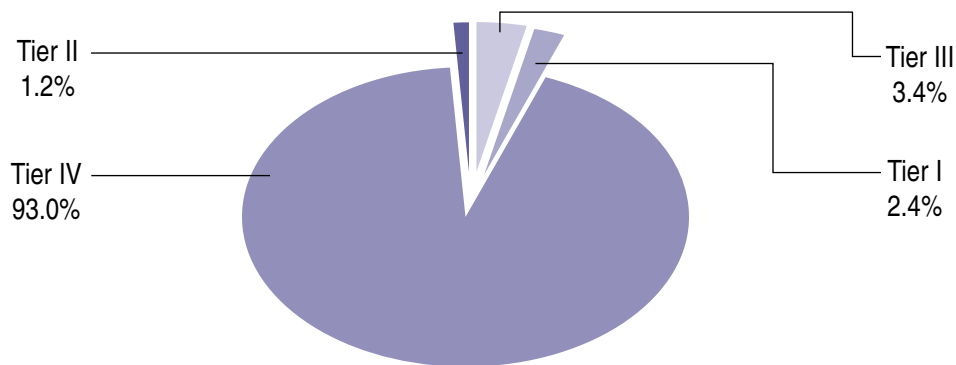
Our membership includes individuals of varying ages, tiers, and employment status. And although many TRS members are currently in active service, approximately one-third of them are retired. The following demographic data provide a snapshot of our membership as of June 30, 2008.

## In-Service Members

As of June 30, 2008, there were 112,472 in-service members. Following is some basic information about these active members receiving salaries.

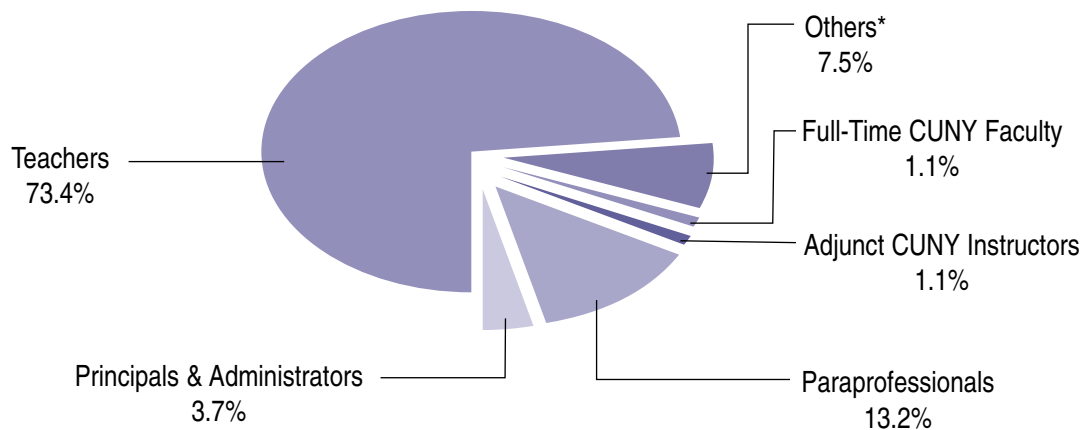
**Average Age of In-Service Members: 44.3 years**

### IN-SERVICE MEMBERSHIP BY TIER\*



\* Tiers are classifications that determine the benefits for which members may be eligible. Tier status generally depends on when an individual last became a TRS member.

### IN-SERVICE MEMBERSHIP BY TITLE



\* This category primarily consists of positions such as secretaries, guidance counselors, and social workers.

## Retired Members

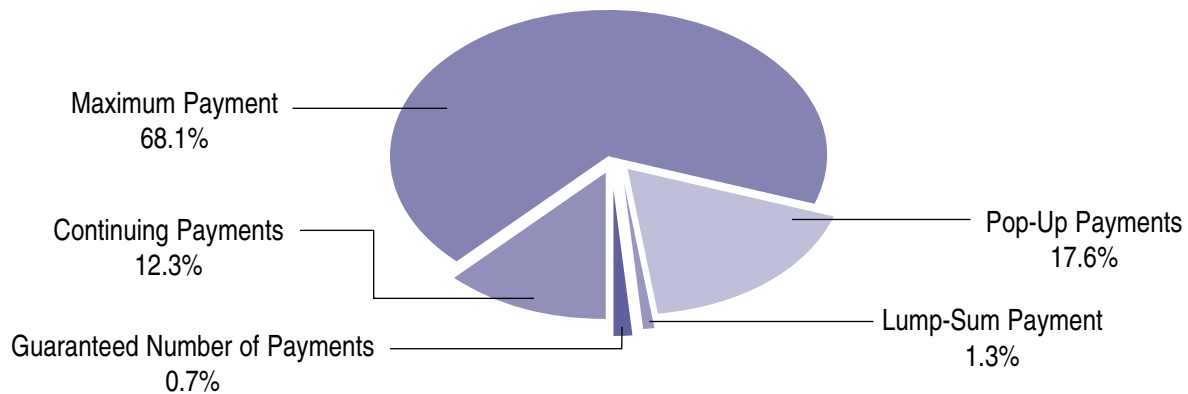
As of June 30, 2008, there were 65,959 retired TRS members. Some statistics related to these members are below.

**Average Age of Members at Retirement Date: 60.4 years**

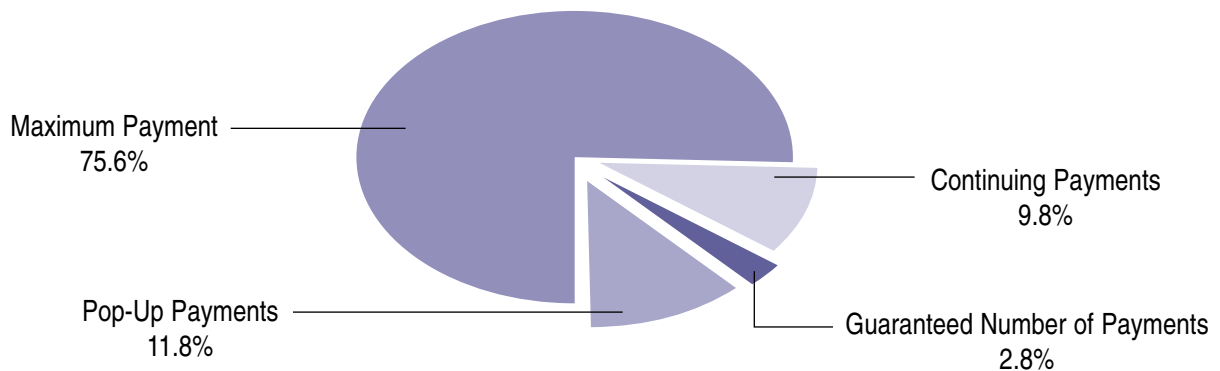
### Retirement Payment Options Chosen by TRS Retirees

When TRS members retire, they receive a lifetime allowance under the QPP. Members may choose to receive a reduced allowance in order to provide for one or more beneficiaries. TRS offers a variety of retirement payment options to meet our members' needs. The categories of payment options chosen by TRS members retiring during Fiscal Year 2008 are displayed below, followed by a brief description.

#### OPTIONS CHOSEN BY TIERS I/II MEMBERS



#### OPTIONS CHOSEN BY TIERS III/IV MEMBERS



### Categories of Retirement Payment Options

**Maximum Payment**—Member receives highest monthly payments, but does not provide for beneficiary.

**Lump-Sum Payment** (Tiers I/II only)—Member's beneficiary receives payment in a lump sum.

**Guaranteed Number of Payments**—A specific number of retirement allowance payments is assured.

**Continuing Payments**—Lifetime monthly payments are made to beneficiary.

**Pop-Up Payments**—Member's payments increase to maximum allowed if beneficiary predeceases member.





# Statistical Section

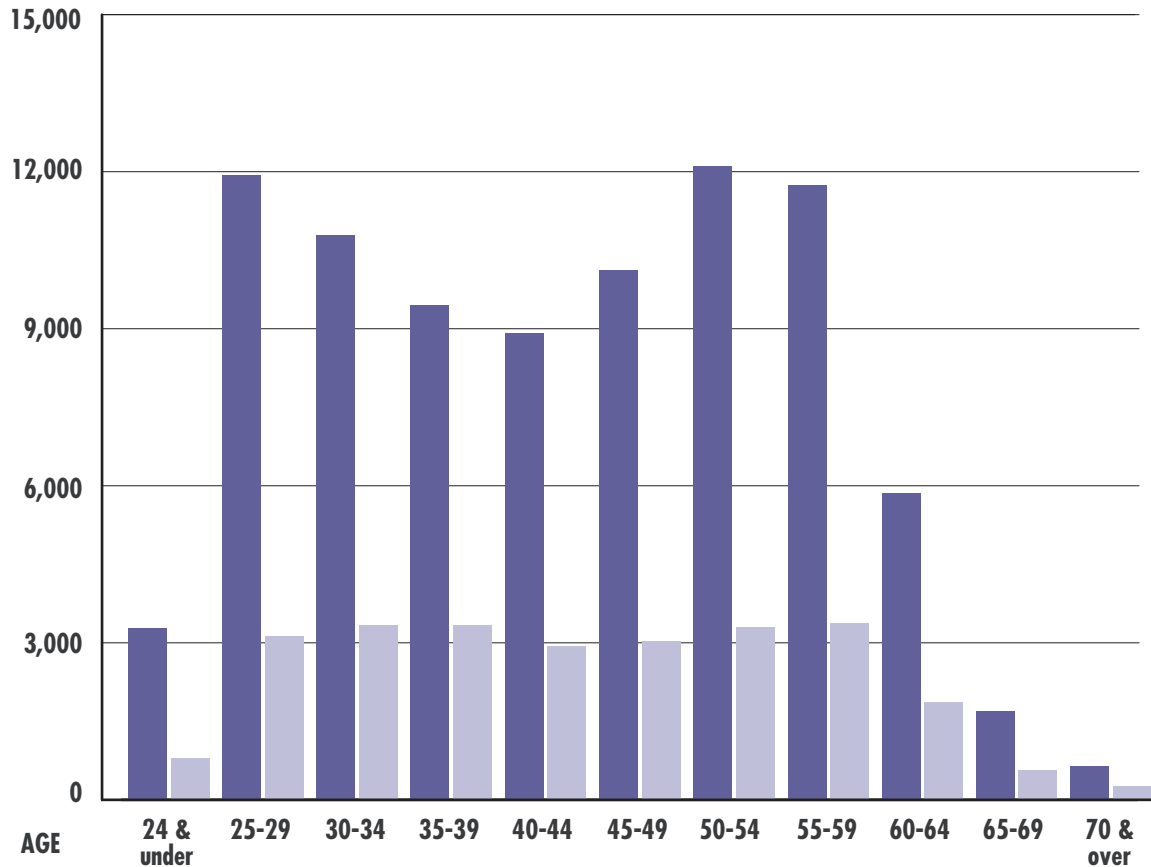
Membership Information	25
Investment and Expense Information	29





In the Introduction to this Annual Report, we highlighted some of TRS' key membership and investment information for Fiscal Year 2008. This Statistical Section supplements that information and provides more detailed data not presented as part of the financial statements.

**IN-SERVICE MEMBERS ON PAYROLL—DISTRIBUTION BY AGE**  
*As of June 30, 2008*



WOMEN	3,282	11,929	10,781	9,451	8,987	10,112	12,024	11,732	5,848	1,693	648
MEN	816	3,114	3,386	3,343	2,936	3,020	3,303	3,367	1,868	573	259

### IN-SERVICE MEMBERSHIP

In-Service Membership as of June 30, 2007	109,868
Contributors Registered in Fiscal Year 2008	12,376
Contributors Withdrawn in Fiscal Year 2008	(9,772)

<b>IN-SERVICE MEMBERSHIP AS OF JUNE 30, 2008</b>	<b>112,472</b>
--	----------------

*Note: These figures include only current in-service members receiving salaries as of each June 30.*

### RETIRED MEMBERSHIP

Retired Membership as of June 30, 2007	64,773
Members Registered in Fiscal Year 2008 for Retirement	2,835
Members Withdrawn in Fiscal Year 2008 from Retirement	(1,649)

<b>RETIRED MEMBERSHIP AS OF JUNE 30, 2008</b>	<b>65,959</b>
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*Note: These figures do not include the following: 3,816 beneficiaries who are receiving retirement allowances as of June 30, 2008; and retirees who are no longer receiving benefits, but have not yet been canceled from the retirement registers.*

**SERVICE RETIREMENT ALLOWANCES***As of June 30, 2008*

MEN			WOMEN		
Age	Number of Retirees	Average Annual Allowance	Age	Number of Retirees	Average Annual Allowance
under 30	0	—	under 30	0	—
30–34	0	—	30–34	0	—
35–39	0	—	35–39	0	—
40–44	0	—	40–44	0	—
45–49	0	—	45–49	0	—
50–54	0	—	50–54	0	—
55–59	1,396	\$ 63,003	55–59	3,426	\$ 58,145
60–64	5,790	63,730	60–64	8,787	54,067
65–69	3,982	54,106	65–69	8,566	42,057
70–74	3,061	49,917	70–74	6,655	36,070
75–79	2,688	48,396	75–79	5,760	33,827
80–84	1,975	44,943	80–84	4,789	32,341
85–89	1,011	44,138	85–89	2,874	29,793
90 & over	486	47,334	90 & over	2,091	32,007
<b>TOTAL</b>	<b>20,389</b>	<b>\$ 54,523</b>	<b>TOTAL</b>	<b>42,948</b>	<b>\$ 41,373</b>
<b>TOTAL ANNUAL ALLOWANCES PAID</b>		<b>\$ 1,111,674,393</b>	<b>TOTAL ANNUAL ALLOWANCES PAID</b>		<b>\$ 1,776,877,675</b>

**ORDINARY DISABILITY RETIREMENT ALLOWANCES***As of June 30, 2008*

MEN			WOMEN		
Age	Number of Retirees	Average Annual Allowance	Age	Number of Retirees	Average Annual Allowance
under 30	1	\$16,254	under 30	5	\$ 20,406
30–34	0	—	30–34	0	—
35–39	1	23,866	35–39	7	20,780
40–44	7	22,258	40–44	26	17,924
45–49	16	17,738	45–49	59	17,662
50–54	41	20,395	50–54	140	19,357
55–59	99	24,581	55–59	308	22,491
60–64	120	24,106	60–64	333	19,732
65–69	72	22,453	65–69	237	16,795
70–74	43	23,234	70–74	120	16,311
75–79	30	24,112	75–79	84	16,341
80–84	20	26,857	80–84	70	20,836
85–89	18	40,044	85–89	74	22,039
90 & over	14	36,811	90 & over	98	25,972
<b>TOTAL</b>	<b>482</b>	<b>\$ 24,387</b>	<b>TOTAL</b>	<b>1,561</b>	<b>\$ 19,800</b>
<b>TOTAL ANNUAL ALLOWANCES PAID</b>		<b>\$ 11,754,499</b>	<b>TOTAL ANNUAL ALLOWANCES PAID</b>		<b>\$ 30,908,559</b>

## ACCIDENT DISABILITY RETIREMENT ALLOWANCES

*As of June 30, 2008*

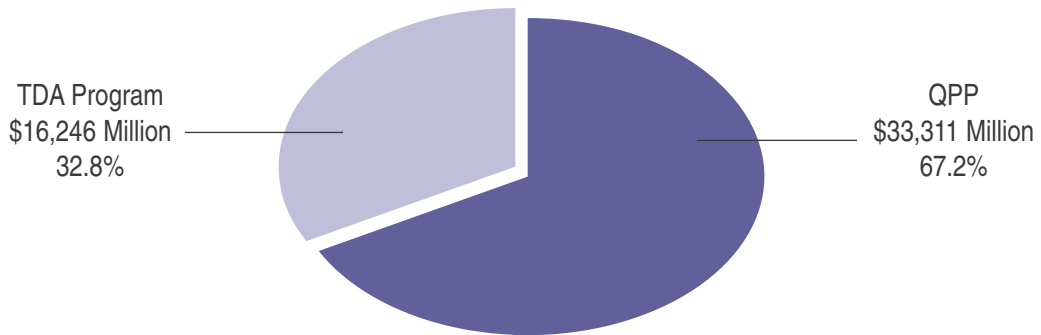
MEN			WOMEN		
Age	Number of Retirees	Average Annual Allowance	Age	Number of Retirees	Average Annual Allowance
under 30	0	—	under 30	0	—
30–34	0	—	30–34	1	\$ 26,446
35–39	1	\$ 39,529	35–39	1	39,143
40–44	0	—	40–44	6	30,659
45–49	5	28,662	45–49	12	33,097
50–54	10	40,189	50–54	22	30,188
55–59	21	39,313	55–59	76	37,786
60–64	66	44,766	60–64	94	36,232
65–69	32	50,100	65–69	50	43,874
70–74	19	47,374	70–74	48	32,377
75–79	12	44,300	75–79	35	34,597
80–84	10	45,216	80–84	20	43,917
85–89	3	40,912	85–89	18	42,270
90 & over	3	52,048	90 & over	8	37,935
<b>TOTAL</b>	<b>182</b>	<b>\$ 44,675</b>	<b>TOTAL</b>	<b>391</b>	<b>\$ 37,058</b>
<b>TOTAL ANNUAL ALLOWANCES PAID \$ 8,130,841</b>			<b>TOTAL ANNUAL ALLOWANCES PAID \$ 14,489,831</b>		

## SURVIVORS' BENEFITS-QPP

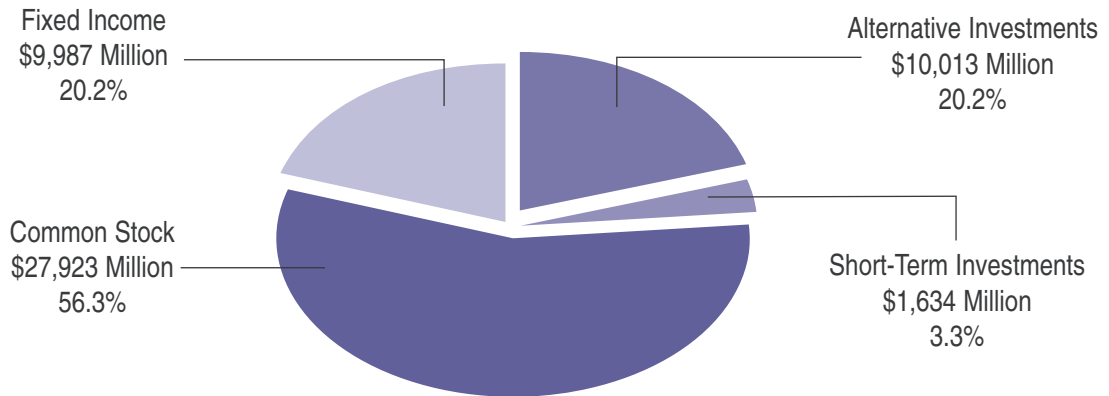
*As of June 30, 2008*

MEN			WOMEN		
Age	Number of Beneficiaries	Average Annual Benefit	Age	Number of Beneficiaries	Average Annual Benefit
under 30	8	\$ 25,124	under 30	9	\$ 29,219
30–34	3	23,551	30–34	5	18,913
35–39	7	14,127	35–39	10	21,260
40–44	13	9,461	40–44	18	17,456
45–49	13	14,764	45–49	40	16,263
50–54	19	14,646	50–54	40	15,448
55–59	62	20,313	55–59	90	35,604
60–64	87	27,942	60–64	198	36,171
65–69	86	27,737	65–69	242	34,322
70–74	107	22,462	70–74	274	35,817
75–79	139	24,689	75–79	411	34,243
80–84	179	23,242	80–84	517	30,002
85–89	176	24,012	85–89	477	29,811
90 & over	184	21,633	90 & over	408	28,475
<b>TOTAL</b>	<b>1,083</b>	<b>\$ 23,263</b>	<b>TOTAL</b>	<b>2,739</b>	<b>\$ 31,421</b>
<b>TOTAL ANNUAL BENEFITS PAID \$ 25,194,329</b>			<b>TOTAL ANNUAL BENEFITS PAID \$ 86,061,706</b>		

**TRS' TOTAL INVESTMENTS\* (BY PLAN)**  
*As of June 30, 2008—\$49,557 Billion*



**TRS' TOTAL INVESTMENTS\* (BY ASSET ALLOCATION)**  
*As of June 30, 2008—\$49,557 Billion*



\* Excludes \$6,742,867 in securities lending.

## LIST OF LARGEST BOND ASSETS HELD (BY MARKET VALUE)

*As of June 30, 2008*

Par Value		Interest Rate	Due Date	Market Value
\$ 190,940,000.00	Federal Home Ln Mtg Corp Gold SFM #T/B/A	5.000%	07/01/35	\$ 182,944,387.50
124,865,000.00	Federal Home Ln Mtg Corp Gold SFM #T/B/A	5.500	07/01/34	122,992,025.00
117,405,000.00	Federal Home Ln Mtg Corp Gold #T/B/A	6.000	07/01/34	118,579,050.00
104,150,000.00	Federal Nat Mtg Assn #T/B/A	6.000	07/01/34	105,061,312.50
78,250,000.00	Federal Nat Mtg Assn #T/B/A	5.000	07/01/34	74,997,734.38
65,564,807.01	Federal Nat Mtg Assn Pool #745275	5.000	02/01/36	63,066,787.87
59,245,000.00	United States Treasury Notes	4.250	11/15/14	61,855,482.81
42,085,000.00	United States Treasury Bonds	8.125	08/15/19	56,209,778.13
55,250,000.00	Federal Home Ln Mtg Corp Gold SFM #T/B/A	5.000	07/01/18	54,559,375.00
54,670,000.00	Federal Nat Mtg Assn #T/B/A	5.500	07/01/37	53,884,118.75

## LIST OF LARGEST EQUITY ASSETS HELD (BY MARKET VALUE)

*As of June 30, 2008*

Shares	Equity	Market Value
2,771,835.00	Exxon Mobil Corp.	244,281,818.55
5,265,969.00	General Electric Co.	140,548,712.61
4,909,315.00	Microsoft Corp.	135,055,255.65
3,456,456.00	AT&T Inc.	116,448,002.64
987,899.00	Chevron Corp.	97,930,427.87
1,578,979.00	Procter & Gamble Co.	96,017,712.99
1,384,500.00	Johnson & Johnson	89,078,730.00
4,792,389.00	Pfizer Inc.	83,723,035.83
658,466.00	International Business Machines	78,047,974.98
1,751,704.00	Hewlett Packard Co.	77,442,833.84
3,184,377.00	Bank of America Corp.	76,011,078.99
3,214,995.00	Cisco Systems Inc.	74,780,783.70
433,509.00	Apple Computer Inc.	72,586,746.96
136,935.00	Google Inc.-Class A	72,085,322.70
654,174.00	Schlumberger Ltd.	70,277,912.82
712,901.00	ConocoPhillips	67,290,725.39
1,185,735.00	Wal Mart Stores Inc.	66,638,307.00
1,872,870.00	JP Morgan Chase & Co.	64,258,169.70
1,295,112.00	Philip Morris International Inc.	63,965,581.68
1,209,482.00	Coca Cola Co.	62,868,874.36
2,842,182.00	Intel Corp.	61,050,069.36
1,663,891.00	Verizon Communications	58,901,741.40
885,672.00	Pepsico Inc.	56,319,882.48
1,364,541.00	Merck & Co. Inc.	51,429,550.29
2,765,765.00	Citigroup Inc.	46,354,221.40

*Note: The above tables reflect assets of both the Qualified Pension Plan (QPP) and Tax-Deferred Annuity (TDA) Program. The complete list of the assets held by TRS' three investment programs is included in the publication Investment Portfolios.*

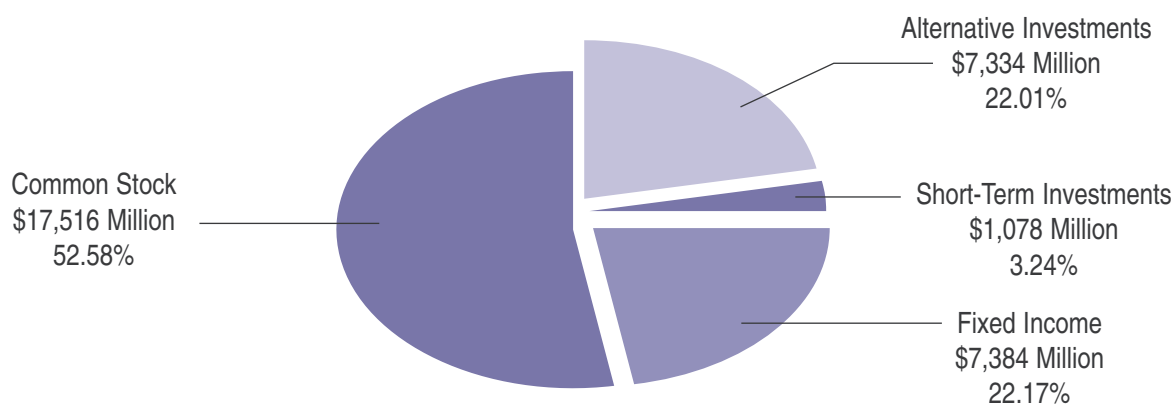
## INVESTMENT SUMMARY—QPP

*As of June 30, 2008*

Type of Investment	Market Value <i>In Thousands</i>	Percent of Total Market Value
<b>Fixed Income:</b>		
Government Bonds	\$ 3,504,983	10.52%
Corporate Bonds	3,491,688	10.48
Foreign Bonds	387,278	1.17
<b>TOTAL FIXED INCOME</b>	<b>\$ 7,383,949</b>	<b>22.17%</b>
<b>Common Stock:</b>		
Financial & Utility	\$ 4,907,293	14.73%
Basic Industry	6,391,315	19.19
Consumer & Service	3,524,060	10.58
Technological	2,693,185	8.08
<b>TOTAL COMMON STOCK</b>	<b>\$ 17,515,853</b>	<b>52.58%</b>
<b>Alternative Investments:</b>		
Guaranteed Investment Contracts	\$ 3,903	0.01%
Managed Investment Contracts	74,549	0.22
International Investments	4,602,162	13.82
Mutual Fund	2,653,046	7.96
<b>TOTAL ALTERNATIVE INVESTMENTS</b>	<b>\$ 7,333,660</b>	<b>22.01%</b>
<b>Short-Term Investments:</b>		
Short-Term Investment	\$ 1,062,511	3.19%
Commercial Paper	15,103	0.05
<b>TOTAL SHORT-TERM INVESTMENTS</b>	<b>\$ 1,077,614</b>	<b>3.24%</b>
<b>TOTAL*</b>	<b>\$ 33,311,076</b>	<b>100.00%</b>

## TOTAL ASSET ALLOCATION\*—QPP

*As of June 30, 2008—\$33.311 Billion*



\* Excludes \$4,761,529 in securities lending.



## INVESTMENT EXPENSES—QPP

Year Ended June 30, 2008

INVESTMENT MANAGERS	Service	TRS' Share of Fees and Commissions Paid
<b>PENSION FUND-FIXED INCOME</b>		
Advent Conv. Bonds	Investment Manager	\$ 10,500
Blackrock-Corp.	Investment Manager	258,651
Blackrock-Mortgage	Investment Manager	383,070
Fisher, Francis-Govt.	Investment Manager	305,625
Fisher, Francis-Int'l.	Investment Manager	366,352
Lehman Brothers-Govt.	Investment Manager	87,400
Lehman Brothers-Mortgage	Investment Manager	241,913
Lord Abbett Conv. Bonds	Investment Manager	10,500
Mackay Shields L.L.C.	Investment Manager	1,908,830
Morgan Stanley Mortgage	Investment Manager	681,478
PIMCO Advisor Govt.	Investment Manager	201,874
PIMCO Advisor-Mortgage	Investment Manager	541,669
Seix Investments	Investment Manager	697,685
Shenkman Capital	Investment Manager	1,373,655
Stone Harbor Investment Partners	Investment Manager	864,482
T. Rowe Price Associates Inc.	Investment Manager	1,517,287
Taplin, Canida & Habacht	Investment Manager	395,259
Victory Conv. Bonds	Investment Manager	10,500
<b>PENSION FUND-DOMESTIC EQUITY</b>		
Aeltus Investment Mgmt. Inc.	Investment Manager	\$ 930,489
Ariel Capital Management Inc.	Investment Manager	965,780
Attucks Asset Management-AF	Investment Manager	137,506
Barclays Global Investors N.A.	Investment Manager	376,418
Bivium Capital – BC	Investment Manager	124,903
Capital Guardian Trust Co.	Investment Manager	244,464
Capital Prospects – CP	Investment Manager	244,032
Chicago Equity Partners	Investment Manager	556,110
FIS Equity Russell 3000	Investment Manager	275,874
Mellon Capital Management	Investment Manager	127,174
Relational Investors	Investment Manager	399,823
Walden Asset Management	Investment Manager	30,614
Westpeak Investment Advisors L.P	Investment Manager	450,977
<b>PENSION FUND-REITs</b>		
Adelante Capital Management	Investment Manager	\$ 1,517,301
Morgan Stanley	Investment Manager	2,391,568
Security Capital	Investment Manager	1,324,796
<b>PENSION FUND-INTERNATIONAL</b>		
Alliance MTA	Investment Manager	\$ 2,910,411
Baillie MTA	Investment Manager	1,244,536
BZW Barclays Global Invest.	Investment Manager	469,059
Capital Guardian Trust Co. (Int'l.)	Investment Manager	2,415,689
Cony EAFE	Investment Manager	330,550
Cony GTM EAFE	Investment Manager	2,588,866
G.E. Investment Management, Inc.	Investment Manager	474,136

Continued on page 33

**INVESTMENT EXPENSES—QPP (Continued)**  
*Year Ended June 30, 2008*

INVESTMENT MANAGERS	Service	TRS' Share of Fees and Commissions Paid
Martin Currie MTA	Investment Manager	950,084
Mondrian MTA	Investment Manager	2,041,428
Philadelphia MTA	Investment Manager	180,948
Rowe Price Fleming International Inc.	Investment Manager	699,396
Sprucegrove MTA	Investment Manager	1,729,769
Thornburg MTA	Investment Manager	975,797
Walter Scott MTA	Investment Manager	1,372,245
<b>PENSION FUND-TIPS MTA</b>		
BlackRock TIPS MTA	Investment Manager	\$ 177,486
PIMCO TIPS MTA	Investment Manager	859,456
State Street TIPS MTA	Investment Manager	18,608
<b>PENSION FUND-ENHANCED YIELD/ALTERNATIVE</b>		
AFL-CIO Housing Investment	Investment Manager	\$ 389,639
ACS (CONY ETI)	Investment Manager	78,365
Aisling Capital Partners II, L.P.	Investment Manager	41,027
Allegra Capital Partners IV, L.P.	Investment Manager	145,434
AMB Institutional Alliance Fund, Inc.	Investment Manager	87,899
Amer. Value Partners I, L.P.	Investment Manager	680,539
Ampersand 2006	Investment Manager	299,980
Apollo Investment Fund	Investment Manager	621,862
ARES Corp. OPP Fund	Investment Manager	695,951
Arsenal Capital Partners, II	Investment Manager	311,828
Aurora Equity Capital Partners III	Investment Manager	320,499
Avenue Europe Special Situations Fund (Global)	Investment Manager	557,316
Avista Capital Partners, L.P.	Investment Manager	120,000
BDCM OPP Fund	Investment Manager	824,302
Blackstone Group	Investment Manager	2,255,771
Blackstone Mezz Partners	Investment Manager	84,182
Bridgepoint Europe III, L.P.	Investment Manager	311,298
Canyon Johnson Realty Advisors	Investment Manager	686,923
Carlyle Group	Investment Manager	1,228,371
Carpenter Community Bancfund	Investment Manager	257,773
Catterton Partners VI , L.P.	Investment Manager	407,737
CCMP Capital Investors II	Investment Manager	274,097
CD & R Fund VII, L.P.	Investment Manager	240,851
Celtic Pharmaceutical Holding L.P.	Investment Manager	165,657
City Investment Fund	Investment Manager	851,851
Coller Investment Management, Ltd.	Investment Manager	380,691
Colony Realty Partners GP II, L.P.	Investment Manager	230,902
Craton Equity Investors	Investment Manager	760,559
Cypress Mech BK Partners II	Investment Manager	238,117
Erasmus NYC Growth Fund L.P.	Investment Manager	727,287
Ethos Private Equity Fund	Investment Manager	387,910
Fairview Capital Partners	Investment Manager	221,009
FdG Capital Partners L.L.C.	Investment Manager	732,034
First Reserve Fund XI	Investment Manager	222,539

Continued on page 34

**INVESTMENT EXPENSES—QPP (Continued)**  
*Year Ended June 30, 2008*

INVESTMENT MANAGERS	Service	TRS' Share of Fees and Commissions Paid
Freeman Spogli & Co., Inc.	Investment Manager	367,312
Fourth Cinven Fund	Investment Manager	298,040
FT Ventures Fund III	Investment Manager	270,000
GF Capital Private Equity FD, L.P.	Investment Manager	368,075
GI Partners Fund II L.P.	Investment Manager	76,711
Halyard Capital II	Investment Manager	377,881
Heitman America RE Trust	Investment Manager	116,796
HM 2006 Sector Performance Fund	Investment Manager	515,609
InterMedia Partners VII, L.P.	Investment Manager	460,028
J.P. Morgan Inversment Management Inc.	Investment Manager	48,919
JPMC Special Situations Fund	Investment Manager	221,192
JPMC Strategic Property Fund	Investment Manager	761,144
Landmark Equity Partners	Investment Manager	321,822
Lee Equity Partners	Investment Manager	224,996
Leeds Weld Equity Partners IV	Investment Manager	123,811
Lehman Brothers	Investment Manager	1,332,347
Lincolnshire Management, Inc.	Investment Manager	612,241
Markstone Capital Partners	Investment Manager	730,070
Metro Workforce Housing Fund	Investment Manager	337,708
Midocean Partners III	Investment Manager	613,124
Montreux Equity Partners IV	Investment Manager	265,692
New Mountain Investments	Investment Manager	1,034,395
New Spring Ventures II, L.P.	Investment Manager	421,315
Oaktree Capital Management	Investment Manager	99,102
Paladin Homeland Security	Investment Manager	497,361
Palladium Equity Partners III	Investment Manager	72,739
PCGAM Clean Energy & Tech Fund	Investment Manager	555,777
Pegasus Partners IV	Investment Manager	113,372
Perseus Partners VII	Investment Manager	723,144
Pine Brook CAP Partners	Investment Manager	374,527
PRE/Urban America II	Investment Manager	365,711
Prisa	Investment Manager	331,904
Prism Venture Partners	Investment Manager	415,929
Psilos Group Partners III	Investment Manager	1,624,059
Quadrangle Capital Partners II	Investment Manager	551,204
Quaker BioVentures II	Investment Manager	374,188
Relativity Fund	Investment Manager	198,338
Ripplewood Holdings, L.L.C.	Investment Manager	29,347
RRE Ventures	Investment Manager	1,220,239
RREEF America II, Inc.	Investment Manager	151,039
RREEF America III, Inc.	Investment Manager	132,292
SCP Private Equity Partners	Investment Manager	291,533
SCP Vitalife Partners II	Investment Manager	342,386
Silver Lake Partners II	Investment Manager	617,744
Shamrock Capital	Investment Manager	1,071,442
Snow Phipps & Guggenheim	Investment Manager	697,730
Solera Capital, L.L.C.	Investment Manager	303,395
Tailwind Capital Partners	Investment Manager	515,883

Continued on page 35

## INVESTMENT EXPENSES—QPP (Continued)

Year Ended June 30, 2008

INVESTMENT MANAGERS	Service	TRS' Share of Fees and Commissions Paid
Terra Firma Cap. III	Investment Manager	635,783
Thomas H Lee Equity Fund VI	Investment Manager	91,748
UBS Real Estate Separate Account	Investment Manager	453,290
U.S. Power Fund II, L.P.	Investment Manager	1,262,816
Vista Equity Partners III	Investment Manager	568,538
VSS Communication Partners IV	Investment Manager	217,675
Vitruvian Partners	Investment Manager	267,089
Yucaipa American Alliance Fund	Investment Manager	831,105
State Street Bank	Investment Manager	4,104
Investment Legal Fees		70,926
Consultant Fees		3,332,846
<b>DIVERSIFIED EQUITY FUND</b>		
Advent Conv. Bond	Investment Manager	\$ 408,468
Alliance-Lrg. Cap. Gr.	Investment Manager	200,696
Amalgamated-S&P 1500	Investment Manager	21,144
Axa Rosenberg-Int'l.	Investment Manager	307,773
Barclays Global Investors-Intl. Alpha Tilts	Investment Manager	1,397,280
Bernstein-Int'l.	Investment Manager	250,981
Brinson Non-U.S.	Investment Manager	348,528
Cap. Guardian-Core	Investment Manager	286,685
Cap. Guardian-Int'l.	Investment Manager	181,945
Cardinal Small Cap. Val	Investment Manager	149,269
CRM-Mid Value	Investment Manager	112,665
Goldman-Enhanced Core	Investment Manager	846,382
High Pointe Lrg. Cap. Val.	Investment Manager	20,677
Intech-Super Fund	Investment Manager	632,937
Lord Abbett Conv. Bond	Investment Manager	251,181
Lynmar Lrg. Cap. Gr.	Investment Manager	95,484
Mellon Capital Management-Enhanced Asset Alloc.	Investment Manager	473,306
Mellon Capital Management-Russell 3000	Investment Manager	109,411
Profit Lrg. Cap. Core.	Investment Manager	101,783
Rainer-Small/Mid	Investment Manager	371,893
Shapiro-Small Cap.	Investment Manager	113,942
Short-Term Annuity QPP & TDA	Investment Manager	119,142
Sound Shore-Value	Investment Manager	240,801
Walter Scott-Int'l.	Investment Manager	530,856
Wellington - Lrg. Cap. Core.	Investment Manager	539,207
Zazove Conv. Bond	Investment Manager	587,297
Bank of New York Mellon	Custodian	288,413
Interactive Data Corp.	Investment Services	29,745
<b>STABLE-VALUE FUND</b>		
Standish Mellon Asset Mgmt.	Funding Advisor	\$ 123,220
Bank of New York Mellon	Custodian	4,898
<b>Total Investment Expenses*</b>		<b>\$ 93,685,513</b>

See notes to Financial Statements No. 7 Administrative and Investment Expenses, page 64.

\* Total Investment Expenses does not include \$2,967,438 Diversified Equity Fund and Stable-Value Fund provisions for expenses.

**ADMINISTRATIVE EXPENSES—QPP**  
Year Ended June 30, 2008

PERSONNEL SERVICES	
Staff Salaries	\$19,350,304
Social Security	1,094,822
Insurance (Health)	1,825,005
Welfare Benefit Fund	795,947
<b>TOTAL PERSONNEL SERVICES</b>	<b>\$23,030,078</b>
PROFESSIONAL SERVICES	
Data Processing Support Services	\$ 5,255,170
Temporary and Consulting Services	937,451
Professional Services	1,498,146
<b>TOTAL PROFESSIONAL SERVICES</b>	<b>\$ 7,690,767</b>
COMMUNICATION	
Telephone	\$ 331,235
Postage	467,479
Local Traveling Expenses*	29,034
Non-Local Traveling Expenses**	44,102
<b>TOTAL COMMUNICATION</b>	<b>\$ 871,850</b>
RENTALS	
Office Space	\$ 3,905,340
Equipment Leasing	324,738
Relocation Expenses	3,125,460
<b>TOTAL RENTALS</b>	<b>\$ 7,355,538</b>
MISCELLANEOUS	
Utilities	\$ 265,848
Supplies and Materials	79,779
Maintenance, Repairs, and Services	293,055
Office Equipment and Furniture	57,003
Advertising Expenses	1,700
Storage	83,827
Printing	355,920
Training Program	297,065
Books	6,851
<b>TOTAL MISCELLANEOUS</b>	<b>\$ 1,441,048</b>
<b>TOTAL ADMINISTRATIVE EXPENSES***</b>	<b>\$ 40,389,281</b>

\* Includes Local Travel Fare \$14,471, Courier \$6,366, and Meals & Refreshments \$8,197.

\*\* Includes Hotels & Meals \$22,023, Travel Fare \$14,052, and Conferences \$8,027.

\*\*\* The Plan's expenses account for 76% of total TRS administrative expenses, the balance or \$12,518,813 paid by the TDA plan and loan service charge revenues. Other administrative expenses of \$8,398,270 were paid on TRS' behalf by other City agencies under Regulation 85 of the New York State Superintendent of Insurance Regulations.

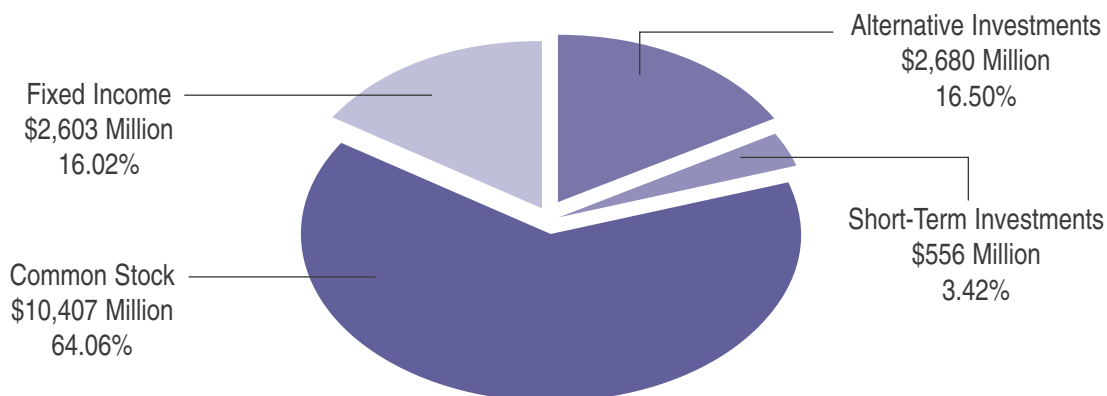
## INVESTMENT SUMMARY—TDA PROGRAM

*As of June 30, 2008*

Type of Investment	Market Value <i>In Thousands</i>	Percent of Total Market Value
<b>Fixed Income:</b>		
Government Bonds	\$ 1,095,328	6.74%
Corporate Bonds	1,091,173	6.72
Foreign Bonds	416,060	2.56
<b>TOTAL FIXED INCOME</b>	<b>\$ 2,602,561</b>	<b>16.02%</b>
<b>Common Stock:</b>		
Financial & Utility	\$ 2,708,446	16.67%
Basic Industry	3,626,390	22.32
Consumer & Service	2,373,226	14.61
Technological	1,698,991	10.46
<b>TOTAL COMMON STOCK</b>	<b>\$ 10,407,053</b>	<b>64.06%</b>
<b>Alternative Investments:</b>		
Guaranteed Investment Contracts (GICs)	\$ 6,097	0.04%
Managed Investment Contracts	116,451	0.72
International	1,728,179	10.64
Mutual Fund	829,092	5.10
<b>TOTAL ALTERNATIVE INVESTMENTS</b>	<b>\$ 2,679,819</b>	<b>16.50%</b>
<b>Short-Term Investments:</b>		
Short-Term Investments	\$ 551,721	3.39%
Commercial Paper	4,720	0.03
<b>TOTAL SHORT-TERM INVESTMENTS</b>	<b>\$ 556,441</b>	<b>3.42%</b>
<b>TOTAL*</b>	<b>\$ 16,245,874</b>	<b>100.00%</b>

## TOTAL ASSET ALLOCATION\*—TDA PROGRAM

*As of June 30, 2008—\$16.246 Billion*



\* Excludes \$1,981,338 in securities lending.

## INVESTMENT EXPENSES—TDA PROGRAM

Year Ended June 30, 2008

INVESTMENT EXPENSES		
Investment Agent	Service	TRS' Share of Expenses
<b>DIVERSIFIED EQUITY FUND</b>		
Advent Capital Management	Investment Manager	\$ 476,656
Alliance Bernstein, L.P.	Investment Manager	292,879
Alliance Capital Management, L.P.	Investment Manager	234,199
Amalgamated Bank of New York	Investment Manager	24,674
Axa Rosenberg Group LLC	Investment Manager	359,151
Barclays Global Investors, N.A. – Int'l. Alpha Tilts	Investment Manager	1,630,534
Capital Guardian Trust	Investment Manager	546,862
Cardinal Capital Management	Investment Manager	174,186
CRM-Mid. Value	Investment Manager	131,473
Enhanced Investment Technologies, Inc. (INTECH)	Investment Manager	738,596
Goldman Sachs Asset Management	Investment Manager	987,672
High Pointe Capital Management	Investment Manager	24,128
Lord Abbett & Co., LLC	Investment Manager	293,578
Lynmar Capital Group	Investment Manager	111,424
Mellon Capital Management Corp. – Enhanced Asset Allocation	Investment Manager	552,318
Mellon Capital Management Corp. – Russell 3000	Investment Manager	127,675
Profit Investment Management	Investment Manager	118,774
Rainier – Small/Mid.	Investment Manager	433,974
Shapiro – Small Cap.	Investment Manager	132,962
Sound Shore Management, Inc.	Investment Manager	280,998
UBS Brinson – Non.U.S.	Investment Manager	406,710
Walter Scott & Partners, Ltd.	Investment Manager	619,474
Wellington – Lrg. Cap. Core	Investment Manager	629,219
Zazove Associates	Investment Manager	685,337
Mellon Trust Co.	Custodial Bank	475,590
Interactive Data	Investment Services	34,710
<b>STABLE-VALUE FUND</b>		
Certus Asset Advisors	Funding Advisor	192,478
Mellon Global Securities Services	Custodial Bank	7,650
<b>TOTAL INVESTMENT EXPENSES*</b>		<b>\$ 10,723,881</b>

\* Total investment expenses does not include \$2,834,360 Diversified Equity Fund and Stable-Value Fund provisions for expenses.

**ADMINISTRATIVE EXPENSES—TDA PROGRAM**  
*Year Ended June 30, 2008*

PERSONNEL SERVICES	
Staff Salaries	\$ 5,814,020
Social Security	328,952
Insurance (Health)	548,343
Welfare Benefit Fund	228,335
<b>TOTAL PERSONNEL SERVICES</b>	<b>\$ 6,919,650</b>
PROFESSIONAL SERVICES	
Data Processing Support Services	\$ 1,578,976
Temporary and Consulting Services	281,668
Professional Services	450,135
<b>TOTAL PROFESSIONAL SERVICES</b>	<b>\$ 2,310,779</b>
COMMUNICATION	
Telephone	\$ 99,523
Postage	140,460
Local Traveling Expenses	8,724
Non-Local Traveling Expenses	13,250
<b>TOTAL COMMUNICATION</b>	<b>\$ 261,957</b>
RENTALS	
Office Space	\$ 1,173,404
Equipment Leasing	97,571
Relocation Expenses	939,080
<b>TOTAL RENTALS</b>	<b>\$ 2,210,055</b>
MISCELLANEOUS	
Utilities	\$ 79,877
Supplies and Materials	23,971
Maintenance, Repairs, and Services	88,052
Office Equipment and Furniture	17,127
Advertising Expenses	511
Storage	25,187
Printing	106,940
Training Program	89,256
Books	2,059
<b>TOTAL MISCELLANEOUS</b>	<b>\$ 432,980</b>
<b>TOTAL ADMINISTRATIVE EXPENSES</b>	<b>\$ 12,135,421</b>







# Financial Section (QPP)

Independent Auditors' Report	43
Management's Discussion and Analysis (Unaudited)	45
Statement of Plan Net Assets	49
Statement of Changes in Plan Net Assets	50
Notes to Financial Statements	51
Schedule 1—Required Supplementary Information Funding Progress	67
Schedule 2—Required Supplementary Information Employer Contributions	67
Schedule 3—Required Supplementary Information Actuarial Methods and Assumptions	68
Schedule 4—Supplementary Information (Unaudited) Funded Status Based on Entry Age Actuarial Cost Method	69





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## Independent Auditors' Report

To the Board of Trustees of the  
Teachers' Retirement System of The City of New York

We have audited the accompanying statements of plan net assets of the Teachers' Retirement System of The City of New York (the Plan) as of June 30, 2008 and 2007, and the related statements of changes in plan net assets for the years then ended. These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on these financial statements based on our 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 Plan's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the respective financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, such financial statements present fairly, in all material respects, the net assets of the Plan as of June 30, 2008 and 2007, and the changes in plan net assets for the years then ended in conformity with accounting principles generally accepted in the United States of America.

Management's Discussion and Analysis is not a required part of the financial statements, but is supplementary information required by the Governmental Accounting Standards Board (GASB). This supplementary information is the responsibility of Plan management. We have applied certain limited procedures, which consisted principally of inquiries of management regarding the methods of measurement and presentation of such required supplementary information. However, we did not audit this information and express no opinion on it.

## *Financial Section (QPP)*

Our audits were conducted for the purpose of forming an opinion on the basic financial statements taken as a whole. The supplemental schedules, Schedule 1, Schedule 2, and Schedule 3, listed in the table of contents are required by the GASB. The required supplemental information is the responsibility of the management of the Plan. Such information has been subjected to the auditing procedures applied in our audits of the basic financial statements and, in our opinion, is fairly stated in all material respects when considered in relation to the basic financial statements taken as a whole.

The Introductory, Investment, Actuarial, Statistical Sections, and Schedule 4 – Funded Status Based on Entry Age Actuarial Cost Method within the Financial Section are presented for the purpose of additional analysis and are not a required part of the basic financial statements of the Plan. This supplementary information is the responsibility of Plan management. The Introductory, Investment, Actuarial, Statistical Sections, and Schedule 4 – Funded Status Based on Entry Age Actuarial Cost Method have not been subjected to the auditing procedures applied in our audits of the basic financial statements and, accordingly, we express no opinion on it.

*Deloitte + Touche LLP*

October 28, 2008

## Management's Discussion and Analysis (Unaudited)

This narrative discussion and analysis of the Teachers' Retirement System of the City of New York's (TRS or the Plan) financial performance provides an overview of the Plan's financial activities for the fiscal years ended June 30, 2008 and 2007. It is meant to assist the reader in understanding TRS' financial statements by providing an overall review of the financial activities during the two years and the effects of significant changes, as well as a comparison with prior years' activity and results. This discussion and analysis is intended to be read in conjunction with the Plan's financial statements, which begin on page 49.

### Overview of Basic Financial Statements

The following discussion and analysis is intended to serve as an introduction to the Plan's basic financial statements. The basic financial statements are as follows:

- The **Statement of Plan Net Assets** presents the financial position of the Plan at fiscal year-end. It indicates the assets available for payment of future benefits and any current liabilities that are owed as of the statement date. Investments are shown at fair value. All other assets and liabilities are determined on an accrual basis.
- The **Statement of Changes in Plan Net Assets** presents the results of activities during the fiscal year. All changes affecting the assets and liabilities of the Plan are reflected on an accrual basis when the activity occurred, regardless of the timing of the related cash flows. In that regard, changes in the fair values of investments are included in the year's activity as net appreciation (depreciation) in fair value of investments.
- The **Notes to Financial Statements** provide additional information that is essential to a full understanding of the data provided in the financial statements. The notes present information about the Plan's accounting policies, significant account balances and activities, material risks, obligations, contingencies, and subsequent events, if any.

*Required Supplementary Information*, as required by the Governmental Accounting Standards Board (GASB), is presented after the Notes to Financial Statements.

The financial statements are prepared in accordance with GASB Pronouncements.

### Financial Highlights

Net assets of TRS are held in trust for the payment of future benefits to members and pensioners. The Plan's net assets were \$32.3 billion, \$37.1 billion, and \$32.2 billion as of June 30, 2008, 2007 and 2006, respectively. The Plan's employer contributions amounted to \$1.9 billion, \$1.6 billion and \$1.3 billion for Fiscal Years 2008, 2007 and 2006, respectively. The Plan's benefit payments and withdrawals totaled \$3.8 billion, \$3.6 billion, and \$3.3 billion for Fiscal Years 2008, 2007 and 2006, respectively.

Receivables for investment securities sold amounted to \$706.2 million at June 30, 2008, a decrease of \$398.3 million (36.1%) from June 30, 2007, and a decrease of \$459.8 million (39.4%) from June 30, 2006. This balance is principally composed of receivables for securities that have been sold but have not yet settled (*i.e.*, the cash has not been collected). This decrease resulted primarily from timing differences in settlement dates. Trades typically do not settle until a few days after the trade date.

Receivables for accrued earnings amounted to \$158.8 million as of June 30, 2008, an increase of \$6.1 million (4.0%) from June 30, 2007, and an increase of \$24.8 million (18.5%) from June 30, 2006.

At June 30, 2008 member loan receivables amounted to \$137.9 million, an increase of \$6.1 million (4.7%) from the previous year, and an increase of \$7.1 million (5.4%) from June 30, 2006.

## Financial Analysis

<b>STATEMENT OF PLAN NET ASSETS</b>			
<i>(In Thousands)</i>			
	2008	As of June 30 2007	2006
Cash	\$ 58	\$ 43	\$ 37
Receivables for investments sold	706,209	1,104,536	1,166,009
Receivables for accrued interest and dividends	158,788	152,695	133,991
Member loan receivables	137,853	131,722	130,782
Investments, at fair value	38,072,605	44,671,784	38,573,430
Other assets	94,851	28,076	17,944
<b>TOTAL ASSETS</b>	<b>\$ 39,170,094</b>	<b>\$ 46,088,856</b>	<b>\$ 40,022,193</b>
Accounts payable	344,649	470,755	252,755
Payables for investments purchased	1,747,216	2,370,738	2,569,678
Accrued benefits payable	10,410	13,095	14,441
Payables for securities lending	4,769,955	6,091,477	4,978,602
<b>TOTAL LIABILITIES</b>	<b>\$ 6,872,230</b>	<b>\$ 8,946,065</b>	<b>\$ 7,815,476</b>
<b>NET ASSETS HELD IN TRUST FOR BENEFITS</b>	<b>\$ 32,297,864</b>	<b>\$ 37,142,791</b>	<b>\$ 32,206,717</b>

Investments at June 30, 2008 were \$38.1 billion in comparison to \$44.7 billion at June 30, 2007 and \$38.6 billion at June 30, 2006. The investment asset balances represent decreases of \$6.6 billion (14.8%) from June 30, 2007 and \$500.8 million (1.3%) from June 30, 2006. Investments, excluding securities lending collateral, were \$33.3 billion at June 30, 2008, \$38.6 billion at June 30, 2007, and \$33.6 billion at June 30, 2006. Excluding securities lending collateral, the investment asset balances represent decreases of \$5.3 billion (13.7%) from June 30, 2007 and \$299.8 million (0.09%) from June 20, 2006. The decline in TRS investment balances from Fiscal year 2007 mirrored the declines of U.S. and International Equity markets. For the twelve-month period, the Russell 3000 Index, a broad measure of U.S. equity markets, returned -12.7%. The MSCI EAFE (Morgan Stanley Capital International Index for Europe, Australia, and Far East) Small Cap Index declined -18.3%.

Accounts payable at June 30, 2008 amounted to \$344.6 million, a decrease of \$126.1 million (26.8%) from June 30, 2007 and an increase of \$91.9 million (36.4%) from June 30, 2006. The Plan's practice is to fully invest the cash balances in most of its bank accounts on a daily basis. Overdrawn balances result primarily from outstanding benefit checks that are presented to the banks for payment on a daily basis, and these balances are routinely settled each day.

Payables for investments purchased at June 30, 2008 amounted to \$1.7 billion, a decrease of \$623.5 million (26.3%) from the previous year ended June 30, 2007 and a decrease of \$822.5 million (32.0%) from June 30, 2006. Investments purchased are accounted for on a trade-date basis. This decrease resulted from timing differences in settlement dates, similar to receivables for investments sold discussed earlier. Accrued benefits payable at June 30, 2008 amounted to \$10.4 million, a decrease of \$2.7 million (20.5%) from June 30, 2007 and a decrease of \$4.0 million (\$27.9%) from June 30, 2006. The \$2.7 million accrued benefit decrease from the period ending June 30, 2007 to June 30, 2008 is attributed to a decline in the year-end benefits payable to beneficiaries.

**STATEMENT OF CHANGES IN PLAN NET ASSETS***(In Thousands)*

	<i>Year Ended June 30</i>		
	<b>2008</b>	<b>2007</b>	<b>2006</b>
<b>Additions:</b>			
Member contributions	\$ 142,308	\$ 143,786	\$ 141,056
Employer contributions	1,944,097	1,622,743	1,338,338
Net receipts from (payments to) other retirement systems	799	(453)	(401)
Securities-lending income	48,087	17,333	21,786
Net investment (loss) income	(3,157,851)	6,770,235	3,587,983
<b>TOTAL</b>	<b>\$ (1,002,560)</b>	<b>\$ 8,553,644</b>	<b>\$ 5,088,762</b>
<b>Deductions:</b>			
Administrative expenses	40,389	37,565	33,938
Benefits payments and withdrawals	3,781,978	3,580,005	3,340,277
<b>TOTAL DEDUCTIONS</b>	<b>\$ 3,822,367</b>	<b>\$ 3,617,570</b>	<b>\$ 3,374,215</b>
<b>NET (DECREASE) INCREASE</b>	<b>\$ (4,844,927)</b>	<b>\$ 4,936,074</b>	<b>\$ 1,714,547</b>

**Changes in Plan Net Assets**

TRS received \$142.3 million in member contributions during Fiscal Year 2008, \$143.8 million in Fiscal Year 2007 and \$141.1 million in Fiscal Year 2006. The \$142.3 million in member contributions represents a \$1.5 million (1.0%) decrease from Fiscal Year 2007 and a \$1.3 million (0.9%) increase from Fiscal Year 2006. The decrease in 2008 is attributable to decreases in Tiers III and IV service contributions. Changes in contributions also reflect salary increases adopted in the current Teachers' contract. The 2007-2009 Teachers' contract provided incumbent salary increases of 2% effective October 13, 2007 and 5% effective May 19, 2008. Fiscal Year 2009 member contributions are expected to increase both due to May 19th incumbent salary increase as well as the additional contributions required as part of the Age 55 Retirement Program. Employer contributions for the fiscal year ended June 30, 2008 totaled \$1.9 billion, an increase of 19.8% and 45.3% over fiscal years 2007 and 2006, respectively.

The Plan experienced a \$3.2 billion net investment loss for Fiscal year 2008. Net investment income decreased by \$9.9 billion (loss) from Fiscal Year 2007 and decreased by \$6.7 billion (loss) from Fiscal Year 2006. The net investment loss, due to the economic slowdown beginning in December 2007, reflects the Plan's loss on net investment holdings, including both realized and unrealized losses. The loss on net investment holdings for the Pension Fund and Diversified Equity (Variable A) Fund totaled \$3.6 billion and \$805.0 million, respectively. The economic conditions have further worsened in the beginning of Fiscal Year 2009, as a severe weakness in global credit markets impacts the global economy.

Administrative expenses for the fiscal year ended June 30, 2008 totaled \$40.4 million, an increase of 7.5% over Fiscal Year 2007 and an increase of 19.0% over Fiscal Year 2006. The 7.5% increase in Administrative expenses from the prior fiscal year is primarily attributed to increases in professional and data processing support services.

Benefits payments and withdrawals for the fiscal year ended June 30, 2008 totaled \$3.8 billion, an increase of 5.6% from Fiscal Year 2007 and 13.2% from Fiscal Year 2006. Benefits payments and withdrawals for Fiscal Year 2008 are composed of retirement benefits (79.9%), interest that is accumulated on behalf of and transferred to the TDA Program (17.1%), and refunds, death benefits and loan



repayment withdrawals (3.0%). Retirement benefits continued to increase incrementally, increasing 3.5% from Fiscal Year 2007 and 9.2% from Fiscal Year 2006. Interest accumulated on behalf of and transferred monthly to the TDA Program increased 18.4% from Fiscal Year 2007 and 43.5% from Fiscal Year 2006, reflecting the continued growth of the TDA Fixed Return Fund (Fixed Annuity Program). Also, benefits payments and withdrawals account for the funds disbursed from the Plan's Variable-Return Funds (Variable Annuity Programs). Fiscal Year 2008 benefits payments and withdrawals were composed of 78.8% from the Fixed Return Fund (Fixed Annuity Program), 20.4% from the Diversified Equity (Variable A) Fund and 0.8% from the Stable-Value (Variable B) Fund .

## Investments

TRS uses the S&P 500 and Russell 3000 indices to provide benchmarks for domestic and private equity investment returns and the MSCI EAFE index for international equity returns. The Citigroup BB & B Rated and NYC indices are used to provide benchmarks for debt securities. The Wilshire Real Estate and NCREIF NPI indices and Solomon's two-year US treasury fund are used to provide benchmarks for mortgage investments and investment contracts, respectively. TRS does not use benchmarks for short-term investments.

TRS earns additional investment income by lending its investment securities. The borrowers provide collateral to TRS that is valued in excess of the securities loaned. For the Fiscal Year ended June 30, 2008, net securities lending income amounted to \$48.1 million compared with \$17.3 million for Fiscal Year 2007 and \$21.8 million for Fiscal Year 2006.

Investments held by TRS, including collateral from securities lending transactions, are listed according to their investment classification in the following table:

<b>INVESTMENT SUMMARY</b>				
<i>(In Thousands)</i>				
<b>Type of Investment</b>	<b>2008</b>		<b>2007</b>	
Short-term investments	\$	967,833	\$	1,327,528
Debt securities		7,651,227		7,786,845
Equity securities—Domestic		17,640,566		22,144,145
Private equity		1,335,293		907,991
Mutual Funds—International equity		4,335,052		5,214,722
Mutual Funds—TIPS		1,190,941		1,018,517
Mortgages		98,905		75,967
Promissory notes		12,807		9,857
Managed investment contracts		74,549		89,908
Guaranteed investment contracts		3,903		18,642
Collateral from securities lending		4,761,529		6,077,662
<b>TOTAL</b>	<b>\$</b>	<b>38,072,605</b>	<b>\$</b>	<b>44,671,784</b>

## Contact Information

This financial report is designed to provide a general overview of the Teachers' Retirement System's finances. Questions concerning any data provided in this report or requests for additional information should be directed to Paul J. Raucci, Chief Accountant, Teachers' Retirement System of the City of New York, 55 Water Street, New York, NY 10041.

**STATEMENT OF PLAN NET ASSETS—QPP**  
(In Thousands)

	As of June 30	
	2008	2007
<b>ASSETS</b>		
Cash	\$ 58	\$ 43
Receivables:		
Investment securities sold	706,209	1,104,536
Accrued interest and dividends	158,788	152,695
Member loans (Note 5)	137,853	131,722
<b>TOTAL RECEIVABLES</b>	<b>\$ 1,002,850</b>	<b>\$ 1,388,953</b>
Investments, at Fair Value (Notes 2 and 3):		
Fixed funds:		
Short-term investment fund	850,615	1,129,234
Debt securities:		
U.S. Government	3,504,983	3,758,304
Corporate	3,491,687	3,629,248
Foreign	115,509	70,775
Equity securities:		
Domestic	12,971,628	15,986,293
Private equity	1,335,293	907,991
Mutual funds:		
Domestic equity	27,908	41,171
International equity	4,335,052	5,214,722
Treasury inflation-protected securities	1,190,941	1,018,517
Mortgages	98,905	75,967
Promissory notes	12,807	9,857
Variable A funds:		
Short-term investments	46,465	128,040
Equity securities	4,641,030	6,116,681
Corporate bonds	539,048	328,518
Variable B funds:		
Short-term investments	70,753	70,254
Managed investment contracts	74,549	89,908
Guaranteed investment contracts	3,903	18,642
Collateral from securities lending	4,761,529	6,077,662
<b>TOTAL INVESTMENTS</b>	<b>\$ 38,072,605</b>	<b>\$ 44,671,784</b>
Other Assets	94,581	28,076
<b>TOTAL ASSETS</b>	<b>\$ 39,170,094</b>	<b>\$ 46,088,856</b>
<b>LIABILITIES</b>		
Accounts payable	344,649	470,755
Payables for investment securities purchased	1,747,216	2,370,738
Accrued benefits payable	10,410	13,095
Securities lending (Note 2)	4,769,955	6,091,477
<b>TOTAL LIABILITIES</b>	<b>\$ 6,872,230</b>	<b>\$ 8,946,065</b>
<b>PLAN NET ASSETS HELD IN TRUST FOR PENSION BENEFITS*</b>	<b>\$ 32,297,864</b>	<b>\$ 37,142,791</b>

\*A schedule of funding progress for the Plan is presented in Schedule 1.

(See accompanying "Notes to Financial Statements—Qualified Pension Plan.")

**STATEMENT OF CHANGES IN PLAN NET ASSETS—QPP**  
(In Thousands)

	Year Ended June 30	
	2008	2007
<b>ADDITIONS:</b>		
<b>CONTRIBUTIONS:</b>		
Member contributions	\$ 142,308	\$ 143,786
Employer contributions (Note 4)	1,916,520	1,600,904
Other employer contributions	27,577	21,839
<b>TOTAL CONTRIBUTIONS</b>	<b>\$ 2,086,405</b>	<b>\$ 1,766,529</b>
<b>INVESTMENT INCOME (Note 2):</b>		
Interest income	640,261	618,991
Dividend income	664,439	533,097
Recovered investment losses	390	2,316
Net (depreciation) appreciation in fair value of investments	(4,366,288)	5,697,519
<b>TOTAL INVESTMENT (LOSS) INCOME</b>	<b>\$ (3,061,198)</b>	<b>\$ 6,851,923</b>
Less:		
Investment expenses	96,653	81,688
<b>NET (LOSS) INCOME</b>	<b>\$ (3,157,851)</b>	<b>\$ 6,770,235</b>
<b>SECURITIES-LENDING TRANSACTIONS:</b>		
Securities-lending income	313,153	421,923
Securities-lending fees	(265,066)	(404,590)
Net securities-lending income	48,087	17,333
<b>NET INVESTMENT (LOSS) INCOME</b>	<b>\$ (3,109,764)</b>	<b>\$ 6,787,568</b>
Other:		
Net receipts from (payments) to other retirement systems	799	(453)
<b>TOTAL ADDITIONS</b>	<b>\$ (1,022,560)</b>	<b>\$ 8,553,644</b>
<b>DEDUCTIONS:</b>		
Benefits payments and withdrawals (Notes 1 and 2)	3,781,978	3,580,005
Administrative expenses	40,389	37,565
<b>TOTAL DEDUCTIONS</b>	<b>\$ 3,822,367</b>	<b>\$ 3,617,570</b>
(DECREASE) INCREASE IN PLAN NET ASSETS	(4,844,927)	4,936,074
PLAN NET ASSETS HELD IN TRUST FOR BENEFITS AT BEGINNING OF YEAR	37,142,791	32,206,717
<b>PLAN NET ASSETS HELD IN TRUST FOR BENEFITS AT END OF YEAR</b>	<b>\$ 32,297,864</b>	<b>\$ 37,142,791</b>

(See accompanying "Notes to Financial Statements—Qualified Pension Plan.")

## Notes to Financial Statements—Qualified Pension Plan

### 1. Plan Description

The City of New York (the City) maintains a number of pension systems providing benefits for employees of its various agencies (as defined within New York State (State) statutes and City laws). The City's five major actuarially-funded pension systems are the Teachers' Retirement System of the City of New York—Qualified Pension Plan (the Plan), the New York City Employees' Retirement System (NYCERS), the New York City Board of Education Retirement System—Qualified Pension Plan (BERS), the New York City Police Pension Fund (POLICE) and the New York City Fire Pension Fund (FIRE). Each pension system is a separate Public Employee Retirement System (PERS) with a separate oversight body and is financially independent of the others.

The Plan is a cost-sharing, multiple-employer PERS. The Plan provides pension benefits for certain City public school teachers and certain other school and college teachers. The primary employers, in addition to the City, are the City University of New York and certain other specific schools (collectively, the Employer). Substantially, all teachers in the public schools of the City become members of the Plan and certain other specified school and college personnel may become members on the first day of permanent employment.

The Plan functions in accordance with existing State statutes and certain City laws. It combines features of a defined-benefit pension plan with those of a defined-contribution pension plan. Contributions are made by the Employer and the members.

In June 1991, the Governmental Accounting Standards Board (GASB) issued Statement No. 14, *The Financial Reporting Entity*. The definition of the reporting entity is based primarily on the notion of financial accountability. In determining financial accountability for legally separate organizations, the Plan considered whether its officials appoint a voting majority of an organization's governing body and is either able to impose its will on that organization or if there is a potential for the organization to provide specific financial benefits to, or to impose specific financial burdens on, the Plan. The Plan also considered whether there are organizations that are fiscally dependent on it. It was determined that there are no component units of the Plan.

The Plan is included in the Pension and Other Employee Benefit Trust Funds section of the City's Comprehensive Annual Financial Report (CAFR).

Members of the Plan have the option to participate in a Tax-Deferred Annuity (TDA) Program, which provides members a means of deferring income tax payments on their voluntary tax-deferred contributions until the period after retirement or upon withdrawal of contributions. The TDA Program was created pursuant to Internal Revenue Code Section 403(b). Contributions to the TDA Program are made by the members only. The TDA Program is maintained as a separate plan and is not included in these financial statements.

At June 30, 2006 and June 30, 2005, the dates of the Plan’s most recent actuarial valuations, the Plan’s membership consisted of:

<b>PLAN MEMBERSHIP</b>		
	As of June 30	
	<b>2006</b>	<b>2005</b>
Retirees and beneficiaries receiving benefits	67,576	65,168
Terminated vested members not yet receiving benefits	5,801	5,172
Other Inactives*	10,604	12,638
Active members receiving salaries	109,992	104,850
<b>TOTAL</b>	<b>193,973</b>	<b>187,828</b>

\* Represents members who are no longer on payroll but not otherwise classified.

Under the One-Year Lag Methodology (OYLM) in effect for fiscal years beginning 2006, the actuarial valuation determines the Employer Contribution for the second following fiscal year. June 30, 2006 and June 30, 2005 are the dates used for calculating Fiscal Year 2008 and Fiscal Year 2007 Employer Contributions, respectively.

The State Constitution provides that the pension rights of public employees are contractual and shall not be diminished or impaired. In 1973, 1976 and 1983, amendments made to the State Retirement and Social Security Law (RSSL) modified certain benefits for employees joining the Plan on or after the effective date of such amendments. As such, benefits under the Plan fall into various categories based on the year when an employee joined the Plan. The service retirement benefits under the Plan are as follows:

- Members who joined prior to July 1, 1973 (Tier I) are entitled to service retirement benefits of 50% of “final salary” (as defined within State statutes and City laws) after 20 years of service; a portion is provided from member contributions, plus additional benefits equal to specified percentages (as defined within State statutes and City laws) per year of service of “final salary” for years in excess of the 20-year minimum. These additional benefits are increased, where applicable, by an annuity attributable to accumulated member contributions in excess of the minimum required balance and by any benefits attributable to the Increased-Take-Home-Pay (ITHP) contributions accumulated after the twentieth year of member qualifying service. ITHP represents amounts contributed by the City in lieu of members’ own contributions. These amounts reduce the contributions that members would have to make to the Plan during their service and thereby increase their take-home pay. Members have the choice of waiving their ITHP reduction, which would reduce their take-home pay, but provide them with increased benefits upon retirement.

In addition, these same members could elect a service retirement benefit with no minimum service requirement that provides an annual benefit for each year of service equal to a specified percentage (as described within State statutes and City laws) of “final salary” payable on attainment of age 55. This benefit is increased, where applicable, by an annuity attributable to the member’s contributions and by any benefits attributable to the Employer’s contributions with respect to such service under the ITHP contributions.

- Members who joined the Plan after June 30, 1973 and before July 27, 1976 (Tier II) have provisions similar to Tier I, except that the eligibility for retirement and the salary base for benefits are different and there is a limitation on the maximum benefit. This maximum limitation was subsequently eliminated under Chapter 574 of the Laws of 2000 for all Tier II members who retired after December 8, 2000. Members retiring prior to the age of 62 without 30 years of credited service experience an age-reduction factor in their retirement allowance. Effective February 27, 2008, active members were eligible to enroll in a 55 retirement age minimum and

25 credited years of service retirement option (“55/25 retirement option”) enabling them to eliminate any age-reduction factor in their retirement allowance (Chapter 19 of Laws of 2008). Those choosing the 55/25 retirement option are required to make additional contributions of 1.85% of salary from February 28, 2008 until June 29, 2008 or until they have accumulated 25 years of credited service, whichever is later.

For members enrolled in the Plan prior to July 27, 1976, ITHP contributions made on their behalf, as well as their own contributions, are invested, at their election, in either the Fixed Return Fund (Fixed Annuity Program) or Variable-Return Funds (Variable Annuity Programs). Members can elect to invest in multiples of 5% and change their elections on a quarterly basis. The Plan guaranteed a 7.5% return on member contributions or ITHP contributions to the Fixed Return Fund (Fixed Annuity Program) until June 30, 1982, increased the guaranteed return to 8.0% as of July 1, 1982 and to 8.25% as of July 1, 1988 for members who enrolled in the Plan prior to July 27, 1976. (Members enrolled on or after July 27, 1976 receive a guaranteed return of 5.0% on member contributions.) The Variable-Return Funds (Variable Annuity Programs) include only member contributions and ITHP contributions made on their behalf, as described above, and are expressed in terms of units that are valued monthly based on investment experience. At retirement, monthly annuities attributable to member contributions and ITHP contributions can be paid in both fixed and variable amounts, based on the member’s election, which can be changed quarterly on an annual, semi-annual or quarterly basis. Other benefits are paid only in fixed amounts. Variable annuities are not fixed in amount, but are based on investment experience through the preceding month.

- Members who joined the Plan on or after July 27, 1976 and prior to September 1, 1983 (Tier III) were mandated into Tier IV. However, these members could elect to remain in Tier III which requires member contributions of 3.0% of salary for a ten-year period (Chapter 126 of Laws of 2000), reduces benefits by one half of the primary Social Security benefit attributable to service with the Employer and provides an annual cost of living escalator in pension benefits of not more than 3.0%. Members retiring prior to the age of 62 without 30 years of credited service experience an age-reduction factor in their retirement allowance. Effective February 27, 2008, active members were eligible to enroll in the 55 retirement age minimum and 25 credited years of service retirement option (“55/25 retirement option”) enabling them to eliminate any age-reduction factor in their retirement allowance. Those choosing the 55/25 retirement option are required to make additional contributions of 1.85% of salary from February 28, 2008 until June 29, 2008 or until they have accumulated 25 years of credited service, whichever is later.
- Members who joined the Plan on or after September 1, 1983 (Tier IV) were required to make contributions of 3% of salary until termination of service. As of October 1, 2000, these members are not required to make contributions after the tenth anniversary of their membership date or completion of ten years of credited service, whichever is earlier (Chapter 126 of Laws of 2000). The annual benefit is 1.67% of “final average salary” per year of service for members with less than 20 years of service and 2% of “final average salary” per year of service for members with 20 to 30 years of service, plus a 1.5% addition of “final average salary” per year of service for service in excess of 30 years of service. Members retiring prior to the age of 62 without 30 years of credited service experience an age-reduction factor in their retirement allowance. Effective February 27, 2008, active members were eligible to enroll in a 55 retirement age minimum and 25 credited years of service retirement option enabling them to eliminate any age-reduction factor in their retirement allowance. Those choosing the age 55 retirement option are required to make additional contributions of 1.85% of salary from February 28, 2008 until June 29, 2008 or until they have accumulated 25 years of credited service, whichever is later. Members joining after February 27, 2008 are automatically enrolled in a 55 retirement age minimum and 27 credited years of service retirement option (“55/27 retirement option”). These members are required to make additional plan contributions of 1.85% of salary until they have accumulated 27 years of credited service.

Under all service retirement categories, annuities attributable to member contributions are reduced on an actuarial basis for any loans with unpaid balances outstanding at the date of retirement.

Subject to certain conditions, members become fully vested and eligible for benefits upon the completion of five years of service.

In addition, the Plan provides death benefits and retirement benefits on the occurrence of accidental or ordinary disability.

During the Spring 2000 session, the State Legislature approved and the State Governor (Governor) signed laws that provide automatic Cost-of-Living Adjustments (COLA) for certain retirees and beneficiaries (Chapter 125 of the Laws of 2000), additional service credit for certain Tier I and Tier II members, and reduced member contributions for certain Tier III and Tier IV members (Chapter 126 of the Laws of 2000).

## **2. Summary of Significant Accounting Policies and Plan Asset Matters**

### **(a) Basis of Accounting**

The Plan uses the accrual basis of accounting where the measurement focus is on the flow of economic resources. Revenues are recognized in the accounting period in which they are earned and expenses are recognized in the period incurred. Contributions from members are recognized when the Employer makes payroll deductions from Plan members' salary. Employer contributions are recognized when due and the Employer has made a formal commitment to provide the contributions. Benefits and refunds are recognized when due and payable in accordance with the terms of the Plan.

### **(b) Investment Valuation**

Investments are reported at fair value. Securities purchased pursuant to agreements to resell are carried at the contract price, exclusive of interest, at which the securities will be resold. Fair value is defined as the quoted market value on the last trading day of the period, except for the Short-Term Investment Fund (STIF) (a money market fund), International Investment funds (the IIF) and Alternative Investment funds (the ALTINVF). The IIF are private funds or publicly traded securities which are managed by various investment managers on behalf of the Plan. Fair value is determined by Plan management based on information provided by the various investment managers. The investment managers determine fair value using the last available quoted price for each security owned adjusted by any contributions to or withdrawals from the fund during the period. The ALTINVF are investments for which exchange quotations are not readily available and are valued at estimated fair value as determined in good faith by the General Partner (GP). These investments are initially valued at cost with subsequent adjustments that reflect third party transactions, financial operating results and other factors deemed relevant by the GP. Fair value is determined by plan management based on information provided by the various GP's after review by an independent consultant and the custodian bank for the fund.

Purchases and sales of securities are reflected on the trade date. Dividend income is recorded on the ex-dividend date. Interest income is recorded as earned on an accrual basis.

No investment in any one organization represents 5% or more of the Plan net assets held in trust for pension benefits.

### **(c) Investment Programs**

The Plan's investments are composed of the assets of three investment programs. These are the New York City Pension Fund (which includes a component, the Fixed Return Fund—previously referred to as the Fixed Annuity Program) and two Variable Annuity Programs: the Diversified Equity Fund (formerly Variable A Annuity Program), which consists primarily of equity securities and the Stable-Value Fund (formerly Variable B Annuity Program), which consists primarily of managed investment contracts. As of



July 1, 2008, the Plan's investment programs were expanded to include three new programs: the International Equity Fund, the Inflation Protection Fund, and the Socially Responsive Equity Fund. The six investment programs are collectively referred to as the TRS Passport funds.

Assets of the Fixed Annuity Program of the Plan are co-invested with certain assets of the TDA Program. The TDA Program is funded by voluntary member contributions. Assets of the Variable Annuity Programs of the Plan are co-invested with certain assets of the TDA Program and BERS. These financial statements reflect the Plan's proportionate share of the investments and the related activity of each of these programs.

**(d) Income Taxes**

Income earned by the Plan is not subject to Federal income tax.

**(e) Accounts Payable**

Accounts payable is principally comprised of amounts owed to the Plan's banks for overdrawn bank balances. The Plan's practice is to fully invest cash balances in most bank accounts on a daily basis. Overdrawn balances result primarily from outstanding benefit checks that are presented to the banks for payment on a daily basis and these balances are routinely settled each day.

**(f) Benefits Payments and Withdrawals**

Plan deductions are primarily due to benefits payments and withdrawals. Included in withdrawals is the interest fixed income (8.25% APR) owed and transferred to the TDA program. TDA interest payments of \$648 million and \$547 million were classified as part of the benefit payments and withdrawals for Fiscal Year 2008 and Fiscal Year 2007.

**(g) Securities-Lending Transactions**

State statutes and Board policies permit the Plan to lend its investments to broker-dealers and other entities for collateral with a simultaneous agreement to return the collateral for the same securities in the future. The Plan's custodian lends the following types of securities: short-term securities, common stock, long-term corporate bonds, U. S. Government and U. S. Government agency bonds, asset-backed securities and international equities and bonds held in collective investment funds. In return, it receives collateral in the form of cash and U.S. Treasury and U.S. Government agency securities at 100% to 105% of the principal plus accrued interest for reinvestment. Management believes the Plan has limited credit risk exposure to borrowers because the amounts the Plan owed the borrowers equaled or exceeded the amounts the borrowers owed the Plan. In addition, the contracts with the Plan's custodian require borrowers to indemnify the Plan if the borrowers fail to return the securities and if the collateral is inadequate to replace the securities loaned or fail to pay the Plan for income distributions by the securities' issuers while the securities are on loan. All securities loans can be terminated on demand within a period specified in each agreement by either the Plan or the borrowers. Cash collateral is invested in the lending agents' short-term investment pools, which have a weighted average maturity of 90 days. Underlying fixed income securities have an average maturity of ten years.

During Fiscal Year 2003, the value of certain underlying securities became impaired because of the credit failure of the issuer. Accordingly, the carrying amount of the collateral reported in the Plan's Statements of Plan Net Assets for Fiscal Year 2003 was reduced by \$25 million to reflect this impairment and reflect the net realizable value of the securities purchased with collateral from securities-lending transactions. In May 2004, the Plan received \$1.8 million from a distribution in bankruptcy proceeds from the defaulted issuer. Also, in Fiscal Years 2004, 2006, 2007, and 2008 the Plan received \$5.7 million, \$1.5 million, \$2.2 million and \$5.4 million as partial settlements from parties involved in the initial purchase of the impaired security.



The securities-lending program in which the Plan participates only allows pledging or selling securities in the case of borrower default.

GASB Statement No. 28, *Accounting and Financial Reporting for Securities-Lending Transactions*, requires that securities loaned as assets and related liabilities be reported in the Statements of Plan Net Assets. Cash received as collateral on securities-lending transactions and investments made with that cash are reported as assets. As of the balance sheet date, the maturities of the investments made with cash collateral on average exceed the maturities of the securities loans by approximately 30 days. Securities received as collateral are also reported as assets if the government entity has the ability to pledge or sell them with a borrower default. Accordingly, the Plan recorded the investments purchased with the cash collateral from securities lending with a corresponding liability for securities lending. Securities on loan are carried at market value; the value as of June 30, 2008 is \$4.642 billion.

### **(h) Recently Implemented Accounting Pronouncements**

GASB issued Statement No. 50 *Pension Disclosures*, an amendment of GASB Statements No. 25 and No. 27. The Statement establishes and modifies requirements related to financial reporting by pension plans and by employers that provide defined-benefit and defined-contribution pensions. The Statement more closely aligns the financial reporting requirements for pensions with those for Other Postemployment Benefits (OPEB) and consequently, enhances information disclosed in notes to financial statements or presented as required supplementary information (RSI) by pension plans and by employers that provide pension benefits. The reporting changes required by Statement No. 50 amend applicable note disclosure and RSI requirements of Statements No. 25, *Financial Reporting for Defined Benefit Plans and Note Disclosures for Defined Contribution Plans*, and No. 27, *Accounting for Pensions by State and Local Governmental Employers*, to conform with requirements of Statements No. 43, *Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans*, and No. 45, *Accounting and Financial by Employers for Postemployment Benefits Other Than Pensions*. The Statement is intended to improve the transparency and decision usefulness of reported information about pensions by state and local governmental plans and employers. The Plan has adopted the requirements of Statement No. 50 effective for their fiscal year ended June 30, 2008.

## **3. Investments and Deposits**

The Comptroller of The City of New York (the Comptroller) acts as an investment advisor to the Plan. In addition, the Plan employs an independent investment consultant as an investment advisor. The Plan utilizes several investment managers to manage the long-term debt and equity portfolios. The managers are regularly reviewed, with regard to both their investment performance and their adherence to investment guidelines.

### **(a) Concentration of Credit Risk**

The Plan does not have any investments in any one entity that represent 5% or more of Plan net assets. The legal requirements for Plan investments are as follows:

- (i) Fixed income, equity and other investments may be made as permitted by New York State RSSL §§ 176-178(a) and Banking Law § 235, the New York City Administrative Code, and the Legal Investments for New York Savings Banks list as published by The New York State Banking Department, subject to Note 3(b).
- (ii) Investments up to 25% of total pension fund assets may be made in instruments not expressly permitted by the State RSSL.

The Bank of New York Mellon Corporation is the primary custodian for significantly all securities of the Plan.

Cash deposits are insured by the Federal Deposit Insurance Corporation for up to \$100,000 (\$250,000 as of October 10, 2008) per Plan member and are, therefore, fully insured.

The information reflected in the Credit Ratings and in the Years to Maturity is derived from the Custodian's Risk and Performance Analytics Reporting System.

## (b) Credit Risk

Portfolios other than U.S. Government and related portfolios have credit rating limitations. Investment Grade portfolios are limited to mostly ratings of BBB and above except that they are also permitted a 10% maximum exposure to BB & B rated securities. While non-investment grade managers are primarily invested in BB & B rated securities, they can also invest up to 7% of their portfolio in securities rated CCC or lower. Not rated securities are considered to be non-investment grade. The quality ratings of investments, by percentage of the rated portfolio, as described by nationally recognized statistical rating organizations, are as follows:

Investment Type*	S&P Quality Ratings									
	AAA	AA	A	BBB	BB	B	CCC & Below	Short Term	Not Rated	Total
June 30, 2008										
U.S. Government	–	–	–	–	–	–	–	–	–	–
Corporate Bonds	14.03%	5.81%	12.16%	13.27%	13.28%	15.59%	2.41%	0.03%	2.22%	78.80%
Yankee Bonds	0.15%	0.49%	1.37%	0.58%	0.06%	0.01%	–	–	0.02%	2.68%
Short Term										
Commercial Paper	6.53%	–	–	–	–	–	–	–	–	6.53%
Pooled Funds	–	–	–	–	–	–	–	–	11.93%	11.93%
Certificates of Deposit	–	–	0.06%	–	–	–	–	–	–	0.06%
U.S. Treasuries	–	–	–	–	–	–	–	–	–	–
U.S. Agencies	–	–	–	–	–	–	–	–	–	–
Percent of Rated Portfolio	20.71%	6.30%	13.59%	13.85%	13.34%	15.60%	2.41%	0.03%	14.17%	100.00%
June 30, 2007										
U.S. Government	13.73%	–	–	–	0.04%	–	–	–	–	13.77%
Corporate Bonds	11.56%	6.06%	11.41%	12.00%	9.78%	16.99%	3.65%	–	1.06%	72.51%
Yankee Bonds	–	–	0.66%	0.73%	0.05%	0.01%	–	–	–	1.45%
Short Term										
Commercial Paper	–	–	2.35%	–	–	–	–	–	0.25%	2.60%
Pooled Funds	–	–	–	–	–	–	–	9.52%	–	9.52%
Certificates of Deposit	–	–	–	–	–	–	–	–	–	–
U.S. Treasuries	–	–	–	–	–	–	–	–	0.15%	0.15%
U.S. Agencies	–	–	–	–	–	–	–	–	–	–
Percent of Rated Portfolio	25.29%	6.06%	14.42%	12.73%	9.87%	17.00%	3.65%	9.52%	1.46%	100.00%

\* U.S. Treasury Bonds, Notes and Treasury inflation-protected securities are obligations of the U.S. government or explicitly guaranteed by the U.S. government and therefore not considered to have credit risk and are not included above.

**(c) Custodial Credit Risk**

Deposits are exposed to custodial credit risk if they are uninsured and uncollateralized. Custodial credit risk is the risk that, in the event of a failure of the counterparty, the Plan will not be able to recover the value of its investment or collateral securities that are in the possession of an outside party.

Investment securities are exposed to custodial credit risk if the securities are uninsured, are not registered in the name of the Plan and are held by either the counterparty or the counterparty's trust department or agent but not in the Plan's name.

Consistent with the Plan's investment policy, the investments are held by the Plan's custodian and registered in the Plan's name.

All of the Plan's deposits are insured and/or collateralized by securities held by a financial institution separate from the Plan's depository financial institution.

All of the Plan's securities are held by the Plan's custodial bank in the Plan's name.

**(d) Interest Rate Risk**

Interest rate risk is the risk that the fair value of investments could be adversely affected by the change in interest rates. Duration limits, in relation to a relevant benchmark, are used to control the portfolios' exposure to interest rate changes. Duration is limited to a range of -1 to 0.75 years. Duration range is a measure of the overall portfolio, while statements of the stated maturity reflect the specific maturities of the individual securities held. The lengths of investment maturities (in years), as shown by the percent of the rated portfolio, are as follows:

**Years to Maturity**

Investment Type

June 30, 2008

	Investment Maturities				
	Fair Value	Less than one year	One to five years	Six to ten years	More than ten years
U.S. Government	44.35%	0.62%	1.37%	6.37%	35.99%
Corporate Bonds	43.47%	0.82%	15.63%	14.33%	12.69%
Yankee Bonds	1.48%	0.05%	0.23%	0.50%	0.70%
Short Term					
Commercial Paper	3.60%	3.60%	–	–	–
Pooled Funds	6.59%	6.59%	–	–	–
Certificates of Deposit	0.03%	–	–	–	0.03%
U.S. Treasuries	–	–	–	–	–
U.S. Agencies	0.48%	0.48%	–	–	–
Percent of Rated Portfolio	100.00%	12.16%	17.23%	21.20%	49.41%

June 30, 2007

	Fair Value	Less than one year	One to five years	Six to ten years	More than ten years
U.S. Government	45.40%	2.81%	6.24%	–	36.35%
Corporate Bonds	45.89%	0.87%	14.81%	17.19%	13.02%
Yankee Bonds	0.92%	–	0.37%	0.19%	0.36%
Short Term					
Commercial Paper	1.63%	1.63%	–	–	–
Pooled Funds	6.06%	6.06%	–	–	–
Certificates of Deposit	–	–	–	–	–
U.S. Treasuries	0.10%	0.10%	–	–	–
U.S. Agencies	–	–	–	–	–
Percent of Rated Portfolio	100.00%	11.47%	21.42%	17.38%	49.73%

(e) Securities-Lending Transactions

**Credit Risk**—The quality ratings of investments held as collateral for Securities Lending are as follows:

**Investment Type and Fair Value of Securities-Lending Transactions**

(In Thousands)

**S&P Quality Ratings**

June 30, 2008

	AAA	AA	A	BBB	BB	B	CCC & Below	Short Term	Not Rated	Total
U.S. Government	\$ 38,107	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 38,107
Corporate Bonds	813,893	820,064	126,999	-	-	-	-	455,783	5,477	2,222,216
Yankee Bonds	-	-	-	-	-	-	-	-	-	-
Short Term										
Bank Notes	73,860	561,236	179,292	-	-	-	-	321,603	16,513	1,152,504
Commercial Paper	-	-	5,680	-	-	-	-	-	-	5,680
Certificates of Deposit	-	636	-	-	-	-	-	23,871	-	24,507
Certificates of Deposit—Floaters	-	137,661	9,700	-	-	-	-	509,117	-	656,478
Funding Agreements	-	132	-	-	-	-	-	-	-	132
Mutual Funds	360,956	-	-	-	-	-	-	-	-	360,956
Master Notes	821	-	-	-	-	-	-	-	-	821
Money Market Funds	-	2,491	-	-	-	-	-	-	-	2,491
Repurchase Agreements	-	-	7,367	-	-	-	-	-	133,697	141,064
Reversal Purchase Agreements	-	-	-	-	-	-	-	-	153,700	153,700
Time Deposit	-	-	-	-	-	-	-	2,873	-	2,873
<b>Total</b>	<b>\$1,287,637</b>	<b>\$1,522,220</b>	<b>\$ 329,038</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$1,313,247</b>	<b>\$ 309,387</b>	<b>\$4,761,529</b>
Percent of Securities-Lending Portfolio	27.04%	31.97%	6.91%	0.00%	0.00%	0.00%	0.00%	27.58%	6.50%	100.00%

June 30, 2007

	AAA	AA	A	BBB	BB	B	CCC & Below	Short Term	Not Rated	Total
U.S. Government	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Corporate Bonds	622,096	413,001	417,247	-	-	-	-	516,392	25,406	1,994,142
Yankee Bonds	-	-	-	-	-	-	-	50,727	-	50,727
Short Term										
Commercial Paper	-	-	-	-	-	-	-	174,779	-	174,779
Pooled Funds	513,658	-	-	-	-	-	-	-	-	513,658
Repurchase Agreements	-	-	-	-	-	-	-	26,172	873,799	899,971
Certificates of Deposit	-	350,273	201,193	-	-	-	-	540,394	-	1,091,860
Bank Notes	92,825	657,073	331,413	-	-	-	-	143,782	-	1,225,093
Other	83	974	-	-	-	-	-	126,375	-	127,432
<b>Total</b>	<b>\$1,228,662</b>	<b>\$1,421,321</b>	<b>\$ 949,853</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$1,578,621</b>	<b>\$ 899,205</b>	<b>\$6,077,662</b>
Percent of Securities-Lending Portfolio	20.22%	23.39%	15.63%	0.00%	0.00%	0.00%	0.00%	25.97%	14.79%	100.00%

*Financial Section (QPP)*

**Interest Rate Risk**—The lengths of investment maturities (in years) of the collateral for Securities Lending are as follows:

**Years to Maturity  
Investment Type**  
(In Thousands)

June 30, 2008

	Investment Maturities				
	Fair Value	Less than one year	One to five years	Six to ten years	More than ten years
U.S. Government	\$ 38,107	\$ 38,107	\$ –	\$ –	\$ –
Corporate Bonds	2,222,216	759,851	1,462,365	–	–
Yankee Bonds	–	–	–	–	–
Short Term					
Bank Notes	1,152,504	471,164	681,340	–	–
Commercial Paper	5,680	5,680	–	–	–
Certificates of Deposit	24,507	24,507	–	–	–
Certificates of Deposit—Floaters	656,478	509,111	147,360	–	–
Funding Agreements	132	132	–	–	–
Mutual Funds	360,956	360,956	–	–	–
Master Notes	821	821	–	–	–
Money Market Funds	2,491	2,491	–	–	–
Repurchase Agreements	141,064	141,064	–	–	–
Reversal Purchase Agreements	153,700	153,700	–	–	–
Bank Notes	2,873	2,873	–	–	–
<b>Total</b>	<b>\$4,761,529</b>	<b>\$2,470,464</b>	<b>\$2,291,065</b>	<b>\$ –</b>	<b>\$ –</b>
Percent of Securities-Lending Portfolio	100.00%	51.88%	48.12%	0.00%	0.00%

June 30, 2007

	Fair Value	Less than one year	One to five years	Six to ten years	More than ten years
U.S. Government	\$ –	\$ –	\$ –	\$ –	\$ –
Corporate Bonds	1,994,142	539,879	1,454,263	–	–
Yankee Bonds	50,727	20,846	29,881	–	–
Short Term					
Commercial Paper	174,779	174,779	–	–	–
Pooled Funds	513,658	513,658	–	–	–
Repurchase Agreements	899,971	899,971	–	–	–
Certificates of Deposit	1,091,860	593,758	498,102	–	–
Bank Notes	1,225,093	349,942	875,151	–	–
Other	127,432	118,859	8,573	–	–
<b>Total</b>	<b>\$6,077,662</b>	<b>\$3,211,692</b>	<b>\$2,865,970</b>	<b>\$ –</b>	<b>\$ –</b>
Percent of Securities-Lending Portfolio	100.00%	52.84%	47.16%	0.00%	0.00%

## 4. Contributions and Actuarial Assumptions

The financial objective of the Plan is to fund members' retirement benefits during their active service and to establish Employer contribution rates which, expressed as a percentage of annualized covered payroll, will remain approximately level from year to year. Under current law, the Employer contributes statutorily-required contributions (Statutory Contributions) that together with Member Contributions and investment income would ultimately be sufficient to accumulate assets to pay benefits when due.

### (a) Member Contributions

Members who joined prior to July 27, 1976 contribute by salary deductions on the basis of a normal rate of contribution that is assigned by the Plan at membership. This member normal rate, which is dependent upon age, years of prior service, and actuarial tables in effect at the time of membership, is determined so as to provide approximately one-fourth of the service retirement allowance at the earliest age for service retirement. For age at membership equal to 20 and with no prior service, the member normal rate is equal to 4.6%. For age at membership equal to 40 with no prior service, the member normal rate is equal to 3.6%.

Members who joined on or after July 27, 1976 are mandated to contribute 3% of salary. Effective October 1, 2000, these members are not required to make contributions after the tenth anniversary of their membership date or completion of ten years of credited service, whichever is earlier.

Effective February 27, 2008, active members were eligible to enroll in a 55 retirement age minimum and 25 credited years of service retirement option enabling them to eliminate any age-reduction factor in their retirement allowance. Those choosing the age 55 retirement option are required to make additional contributions of 1.85% of salary from February 28, 2008 until June 29, 2008 or until they have accumulated 25 years of credited service, whichever is later. Members joining after February 27, 2008 are automatically enrolled in a 55 retirement age minimum and 27 credited years of service retirement option ("55/27 retirement option"). These members are required to make additional plan contributions of 1.85% of salary until they have accumulated 27 years of credited service.

### (b) Employer Contributions

Statutory Contributions to the Plan, determined by the Plan's Chief Actuary of the Office of the Actuary (the Actuary) in accordance with the State statutes and City laws, are generally funded by the Employer within the appropriate fiscal year.

The June 30, 2006 (Lag) actuarial valuation was used to determine the fiscal year 2008 Employer Contribution. There were no changes in actuarial assumptions and methods from the prior actuarial valuation.

The actuarial assumptions and methods used in the June 30, 2005 (Lag) actuarial valuation were unchanged from those used in the June 30, 2004 (Lag) actuarial valuation.

The Frozen Initial Liability Actuarial Cost Method is utilized by the Actuary to calculate the contributions from the Employer. Under this actuarial cost method, the Initial Liability was reestablished by the Entry Age Actuarial Cost Method as of June 30, 1999, but with the Unfunded Actuarial Accrued Liability (UAAL) not less than zero. The excess of the Actuarial Present Value (APV) of projected benefits of members as of the valuation date, over the sum of the Actuarial Asset Value (AAV) plus UAAL, if any, and the APV of future employee contributions is allocated on a level basis over the future earnings of members who are on the payroll as of the valuation date. Actuarial gains and losses are reflected in the employer normal contribution rate.

Chapter 85 of the Laws of 2000 (Chapter 80/00) reestablished the UAAL and eliminated the Balance Sheet Liability (BSL) for actuarial purposes as of June 30, 1999. The schedule of payments toward the reestablished UAAL provides that the UAAL, if any, be amortized over a period of 11 years beginning Fiscal Year 2000, where each annual payment after the first equals 103% of its preceding annual payment.

Chapter 69 of the Laws of 2002 established the UAAL as of June 30, 2003, for an Early Retirement Incentive (Part A only). This UAAL is being amortized on a level basis over a period of five years beginning Fiscal Year 2004.

Beginning with the June 30, 2004 (Lag) actuarial valuation, the Actuarial Asset Valuation Method (AAVM) was changed to a method which reset the AAV to Market Value (*i.e.*, Market Value Restart) as of June 30, 1999. As of each June 30 thereafter the AAVM recognizes investment returns greater or less than expected over a period of six years.

Under this revised AAVM, any Unexpected Investment Returns (UIR) for Fiscal Years 2000 and later are phased into the AAV beginning the following June 30 at a rate of 15%, 15%, 15%, 15%, 20% and 20% per year (or cumulative rates of 15%, 30%, 45%, 60%, 80% and 100% over a period of six years).

The UIR for fiscal years 2000 to 2004 under the revised AAVM was set equal to the UIR under the prior AAVM.

For determining employer contributions for fiscal years 2000 through 2005 inclusive, the AAVM was changed as of June 30, 1999 to reflect a market basis for investments held by the Plan. This AAVM recognized expected investment returns immediately and phased in UIR.

Under this prior AAVM, any UIR for Fiscal Years 2000 through 2005 inclusive were phased into the AAV beginning the following June 30 at a rate of 10%, 15%, 20%, 25% and 30% per year (*i.e.*, cumulative rates of 10%, 25%, 45%, 70% and 100% over a period of five years).

For assets of the Variable Annuity Programs, current market value is used.

Chapter 125 of the Laws of 2000 (Chapter 125/00) provided eligible retirees and eligible beneficiaries with increased Supplementation as of September 2000 and with automatic Cost-of-Living Adjustments (COLA) beginning September 2001. Chapter 125/00 also provided for a five-year phase-in schedule for funding the additional actuarial liabilities created by the benefits provided by this law. Chapter 278 of the Laws of 2002 (Chapter 278/02) required the Actuary to revise the methodology and timing for determining the Statutory Contributions on account of the additional actuarial liabilities attributable to the benefits provided under Chapter 125/00 by extending the phase-in period for funding these liabilities from five years to ten years.

The impact of the ten-year phase-in of Chapter 278/02 was to postpone funding of the additional actuarial liabilities attributable to Chapter 125/00, resulting in greater Employer Contributions in later years.

Chapter 152 of the Laws of 2006 (Chapter 152/06) eliminated the ten-year phase-in. All actuarial liabilities attributable to Chapter 125/00 are now recognized in the actuarial valuation.

Statutory Contributions for Fiscal Years 2007 and 2006 were equal to the amounts calculated by the Actuary.



**(c) Funded Status and Funding Progress**

One measure of the funded status of the Plan as of June 30, 2006, the most recent actuarial valuation date, based on the Frozen Initial Liability Actuarial Cost Method, the plan's funding method, is as follows (dollar amounts in thousands):

Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b-a)/c)
\$32,405,645	\$32,410,501	\$4,979	100.00%	\$6,978,726	0.1%

A schedule of funding progress, presented as required supplementary information (RSI) following the notes to the financial statements, presents multiyear trend information about whether the actuarial values of plan assets are increasing or decreasing over time relative to the AALs for benefits under the Plan's Actuarial Cost Method.

An additional schedule of funding progress, presented as supplementary information following the notes to the financial statements, presents multiyear trend information about whether actuarial values of plan assets are increasing or decreasing over time relative to AALs for benefits under the Entry Age Actuarial Cost Method.

Additional Information as of the latest actuarial valuation follows:

<b>Valuation Date</b>	<b>June 30, 2006 (Lag)</b>
<b>Actuarial Cost Method</b>	<b>Frozen Initial Liability</b>
<b>Amortization Method</b>	
Initial Unfunded ERI	Increasing Dollar Level Dollar
<b>Remaining Amortization Period</b>	
Initial Unfunded ERI	NA 1
<b>Asset Valuation Method</b>	<b>6-Year Smoothed Market</b>
<b>Actuarial Assumptions</b>	
Projected Salary Increases*	In general, merit and promotion increases plus assumed general wage increases of 3.0% per year.
Investment Rate of Return*	8.0% per annum
COLAs*	1.3% per annum

\* Developed assuming a long-term Consumer Price Inflation assumption of 2.5% per annum.



## 5. Member Loans

The balance of member loans receivable at June 30, 2008 and 2007 is \$137.9 million and \$131.7 million, respectively. Members are permitted to borrow up to 75% of their own contributions, including accumulated interest. Outstanding loan balances are insured in order to protect members' balances in case of death. In return for insurance coverage, Tier III and Tier IV members supplement their 7% (APR) loan interest payments with a 0.2% (APR) insurance fee. Upon termination of employment before retirement, certain members are entitled to refunds of their own contributions, including accumulated interest, less any loans outstanding.

## 6. Related Parties

The Comptroller has been appointed by law as custodian for Fixed Annuity Program assets with discretionary authority. Securities are held by certain banks under custodial agreements with the Comptroller. The Comptroller, Financial Information Services Agency (FISA) and Office of Payroll Administration (OPA) provide cash receipt and cash disbursement services to the Plan. Actuarial services are provided to the Plan by the Office of the Actuary employed by the Boards of Trustees of the City's main pension systems. The City's Corporation Counsel provides legal services to the Plan. The City also provides other administrative services. The cost of providing such services amounted to \$8.4 million and \$8.6 million in fiscal years 2008 and 2007.

## 7. Administrative and Investment Expenses

Chapter 593 of the Laws of 1996, effective July 1, 1996, authorized the Board of Trustees to draw upon its assets to pay the administrative expenses incurred by the Plan. Prior to Fiscal Year 1997, the City and Variable Annuity Programs had paid all administrative expenses. In Fiscal Year 2008, total expenses attributed to the Plan were approximately \$48.8 million; \$40.4 million was paid from the assets of the Plan. The remaining \$8.4 million were incurred on behalf of the Plan by other City agencies, primarily the Comptroller's office. In Fiscal Year 2007, total expenses attributed to the Plan were approximately \$46.2 million, \$37.6 million was paid from the assets of the Plan and the remaining \$8.6 million was paid by other City agencies on behalf of the Plan. Investment expenses charged to the investment earnings of the Plan amounted to \$96.7 million in 2008 and \$81.7 million in 2007.

## 8. Contingent Liabilities and Other Matters

### Contingent Liabilities

In February 1997, a former New York City school principal filed an action in New York State Supreme Court challenging the investment policies and practices of the Retirement Board with regard to the Stable-Value Fund (Variable B Annuity Program). The plaintiff alleges that the Trustees of the Plan illegally maintained the Stable-Value Fund (Variable B Annuity Program) as a fixed-income fund and ignored a requirement that a substantial amount of the Program's assets be invested in equity securities. The Plan and the individual Trustees are the defendants in the case. Plaintiff seeks damages on behalf of all Stable-Value Fund (Variable B Annuity Program) participants in excess of \$250 million. In May 1999, the Appellate Division, First Department, affirmed the Supreme Court's earlier denial of the defendant's motion for summary judgment. The discovery process has been completed and a motion for summary judgment is pending. Subsequently, during September 2005, this case was tried in New York Supreme Court. The plaintiff failed to meet his burden of proof that the Trustees of the Plan breached their fiduciary duty to the members. As such, the within complaint was dismissed, and judgment was entered for the defendants. The plaintiff filed a notice of appeal in June 2006.

In August 2002, a lawsuit was instituted on behalf of retired Plan members seeking service credit for work performed as “per session employment.” Plaintiffs’ request to proceed as a class action was granted by the lower court. Subsequently, the parties have reached a final agreement which is expected to result in substantial costs to the Employer.

In March 2005, the President of the UFT and three retired teachers commenced two related lawsuits alleging miscalculation of the retirement formula applicable to TRS members who retire under the 20-Year Pension Plan. Subsequently, the parties have settled with the Employer, agreeing to pay a sum of \$160 million allocated to the plaintiffs according to a negotiated algorithm.

Another lawsuit that was settled but not implemented was related to the inclusion of wages for class coverage into the calculation of retirement benefits. This is also expected to result in a substantial cost to the Employer.

The Plan also has certain other contingent liabilities. Management of the Plan, on advice from legal counsel, believes that such proceedings and contingencies will not have a material effect on Plan net assets or cause changes in Plan net assets. Under the State statutes and City laws that govern the functioning of the Plan, increases in the obligation of the Plan to members and beneficiaries ordinarily result in increases in the obligations of the Employer to the Plan.

### **Other Matters**

During fiscal years 2008 and 2007, certain events described below took place which, in the opinion of Plan management, could have the effect of increasing benefits to members and/or their beneficiaries and therefore would increase the obligations of the Plan. The effect of such events has not been fully quantified. However, it is the opinion of Plan management that such developments would not have a material effect on Plan net assets held in trust for pension benefits or cause changes in Plan net assets held in trust for pension benefits.

#### **(a) Actuarial Audit**

Pursuant to Section 96 of the New York City Charter, studies of the actuarial assumptions used to value liabilities of the five actuarially-funded New York City Retirement Systems (NYCRS) are conducted every two years. The most recent study was published by The Segal Company (Segal) dated November 2006 and analyzed experience for Fiscal Years 2002 through 2005. Segal made recommendations to the actuarial assumptions and methods based on their analysis. The Actuary is reviewing these recommendations.

#### **(b) Revised Actuarial Assumptions and Methods**

In accordance with the ACNY and with appropriate practice, the Boards of Trustees of the five actuarially-funded NYCRS are to periodically review and adopt actuarial assumptions as proposed by the Actuary for use in the determination of Employer Contributions.

Based upon a review of an October 2003 experience study by Gabriel, Roeder, Smith & Company (GRS), the Actuary issued an August 31, 2005 Report entitled “Proposed Changes in Actuarial Assumptions and Methods for Determining Employer Contributions for Fiscal Years Beginning On and After July 1, 2005 for the New York City Teachers’ Retirement System” (August 2005 Report). Where required, the Retirement Board of the Plan adopted those changes to actuarial assumptions that required Board approval and the State Legislature and the Governor enacted Chapter 152 of the Laws of 2006 (Chapter 152/06) to provide for those changes to the actuarial assumptions and methods that required legislation, including the AIR assumption of 8.0% per annum.

The changes in actuarial assumptions and methods effective Fiscal Year 2006 result in somewhat lesser Employer Contributions for fiscal years 2007 and 2006 and increased Employer Contributions for future fiscal years.

**(c) New York State Legislation (only significant laws included)**

Chapter 104 of the Laws of 2005, as amended by Chapter 93 of the Laws of 2005, created a presumptive eligibility for accidental disability in connection with the World Trade Center attack on September 11, 2001.

Chapter 105 of the Laws of 2005 states that a member killed in the US Armed Forces on and after June 14, 2005 is deemed a Line-of-Duty death while on active payroll.

Chapter 133 of the Laws of 2005 continued the valuation and other interest rates for one year to June 30, 2006 from June 30, 2005.

Chapter 152/06 provided for the changes in actuarial assumptions and methods that require legislation, including the continuation of the AIR assumption of 8.0% per annum and continuation of the current Frozen Initial Liability (FIL) Actuarial Cost Method and the existing Unfunded Actuarial (Accrued) Liability (UAL). In addition, Chapter 152/06 provides for elimination of the use of the ten-year phase-in of Chapter 278/02 for funding the additional actuarial liabilities created by the benefits provided by Chapter 125/00.

Chapter 445 of the Laws of 2006 (Chapter 445/06) created a presumptive eligibility for accidental death benefits in connection with the World Trade Center attack on September 11, 2001.

Chapter 5 of the Laws of 2007 amended Chapter 445/06 to clarify the World Trade Center accidental disability benefits payable to retirees who die in the first 25 years of retirement. It also amended Chapter 445/06 to include World Trade Center deaths as presumptive accidental death benefits in the Line-of-Duty.

Chapter 19 of the Laws of 2008 (Chapter 19/08) established retirement programs to permit Tier 2 and Tier 4 current members of TRS to elect to retire between ages 55 and 62 without reduction provided they have 25 years of service, by paying an additional contribution of 1.85% of future pay. New members after February 27, 2008 are mandated into this plan and are required to have 27 years of service.

Chapter 489 of the Laws of 2008 expanded and redefined the eligibility provisions of the accidental disability and accidental death benefits that arise in connection with the World Trade Center attack on September 11, 2001.

## **9. Subsequent Events**

The systemic risk elevation in global financial markets that first became apparent in the latter half of 2007 continued in 2008 and accelerated in September 2008 with significant institutional stresses and failures and world-wide government interventions. This market downturn was dominated by the collapse of the sub prime mortgage markets and the credit crisis in capital markets.

The equity markets have been particularly impacted by current market conditions, which have had a negative effect on the market value of the Plan's assets.

Despite this decline in market values the systems continue to have sufficient liquidity, in terms of both current income and liquid assets to continue paying benefits in the foreseeable future.

City contributions to the pension plans are based upon actuarial valuations and calculations that consist of many factors, including investment returns on the assets. Therefore, in the event that the asset values do not recover by the end of the City's fiscal year ending June 30, 2009, the amounts the City is required to contribute to the pension plans will increase in the future.

**SCHEDULE 1: REQUIRED SUPPLEMENTARY INFORMATION**  
**FUNDING PROGRESS (IN CONFORMITY WITH THE PLAN'S FUNDING METHOD)**  
*(In Thousands)*

	(1)	(2)	(3)	(4)	(5)	(6)
Actuarial Valuation Date June 30	Actuarial Asset Value (AAV) (A)	Actuarial Accrued Liability (AAL)* (A) & (B)	Unfunded AAL (UAAL) (C) (2) - (1)	Funded Ratio (1) ÷ (2)	Covered Payroll	UAAL as a Percentage of Covered Payroll (3) ÷ (5)
2006 (Lag)	\$32,405,645	\$32,410,501	\$4,979	100.0%	\$6,978,726	0.1%
2005 (Lag)	32,865,126	32,872,322	7,196	100.0	6,273,910	0.1
2004 (Lag)#	33,149,251	33,159,690	10,439	100.0	6,175,940**	0.2
2004	32,817,102	32,827,541	10,439	100.0	6,219,809	0.2
2003	33,169,210	33,182,652	13,442	100.0	5,828,757	0.2
2002	34,177,750	34,181,065	3,315	100.0	5,469,239	0.1

\* Based on the Frozen Initial Liability Actuarial Cost Method.

# Reflects revised actuarial assumptions and methods based on experience review.

\*\* The annualized covered payroll under the One-Year Lag Methodology used for the Fiscal Year 2006 Employer Contribution differs from that as of June 30, 2004 to compute Fiscal Year 2005 Employer Contribution due to changes in actuarial assumptions and methods and more recent information on labor contract settlements.

**NOTES**

(A) Beginning with the June 30, 2004 (Lag) actuarial valuation, the Actuarial Asset Valuation Method (AAVM) was changed to a method which reset the AAV to Market Value (i.e., "Market Value Restart") as of June 30, 1999. As of each June 30 thereafter the AAVM recognizes investment returns greater or less than expected over a period of six years.

Under this revised AAVM, any Unexpected Investment Returns (UIR) for fiscal years 2000 and later are phased into the AAV beginning June 30, 2000 at rates of 15%, 15%, 15%, 15%, 20%, and 20% per year (or cumulative rates of 15%, 30%, 45%, 60%, 80% and 100% over a period of six years).

The UIR for fiscal years 2000 to 2004 under the revised AAVM was set equal to the UIR under the prior AAVM.

The prior AAVM was changed as of June 30, 1999 to reflect a market basis for investments held by the Plan and was made as one component of an overall revision of actuarial assumptions and methods as of June 30, 1999.

Under the AAVM used for the June 30, 1999 to June 30, 2004 actuarial valuations, any UIR for fiscal years 2000 and later were phased into the AAV beginning the following June 30 at a rate of 10%, 15%, 20%, 25% and 30% per year (i.e., cumulative rates of 10%, 25%, 45%, 70% and 100% over a period of five years).

(B) To effectively assess the funding progress of the Plan, it is necessary to compare the AAV and the AAL calculated in a manner consistent with the Plan's funding method over a period of time. The AAL is the portion of the Actuarial Present Value of pension plan benefits and expenses which is not provided for by future Employer normal costs and future Member Contributions.

(C) The UAAL is the excess of the AAL over the AAV. This is the same as the unfunded frozen AAL, which is not adjusted from one actuarial valuation to the next to reflect actuarial gains and losses.

**SCHEDULE 2: REQUIRED SUPPLEMENTARY INFORMATION**  
**EMPLOYER CONTRIBUTIONS**  
*(In Thousands)*

Fiscal Year Ended June 30	Annual Required Contribution	Percentage Contributed
2008	\$1,916,520	100.0%
2007	1,600,904	100.0
2006	1,316,611	100.0
2005	1,304,033	94.2
2004	1,015,331	90.6
2003	805,782	79.4

Under the requirements of Governmental Accounting Standards Board Statement Number 25 (GASB25), as amended by GASB Statement No. 50 (GASB50), the Annual Required Contribution (ARC) is determined through an actuarial valuation reflecting all liabilities of the Plan. The Employer Contribution to the Plan is determined in accordance with statute (i.e., Statutory Contribution). For fiscal years 2005, 2004 and 2003, the difference between the ARC and the Statutory Contribution is the consequence of Chapter 278/02 which phased in over 10 years the additional actuarial liabilities attributable to the benefits provided by Chapter 125/00 (i.e., automatic COLA).

The Statutory Contribution of \$1,228.3 million, \$920.3 million and \$639.6 million for Fiscal Years 2005, 2004 and 2003, respectively, were computed in accordance with Chapter 278/02, which provides for a ten-year phase-in of the additional actuarial liabilities attributable to Chapter 125/00.

Chapter 152/06 eliminated the use of the ten-year phase-in of Chapter 278/02 for funding the additional actuarial liabilities created by the benefits provided by Chapter 125/00. For fiscal years after 2005, the Statutory Contribution equals the ARC.

## SCHEDULE 3: REQUIRED SUPPLEMENTARY INFORMATION ACTUARIAL METHODS AND ASSUMPTIONS

The information presented in the required supplementary schedules was determined as part of the actuarial valuations as of June 30, 2006 (Lag) and June 30, 2005 (Lag). These actuarial valuations were used to determine Employer Contributions for Fiscal Years 2008 and 2007, respectively. Additional information as of the last two actuarial valuations follows:

	June 30, 2006 (Lag) <sup>1</sup>	June 30, 2005 (Lag) <sup>1</sup>
<b>Actuarial cost method</b>	Frozen Initial Liability <sup>2</sup>	Frozen Initial Liability <sup>2</sup>
<b>Amortization method for Unfunded Actuarial Accrued Liabilities</b>	Level dollar for UAAL attributable to 2002 (Part A only) Early Retirement Incentive (ERI). All outstanding components of UAAL are being amortized over closed periods. <sup>3</sup>	Level dollar for UAAL attributable to 2002 (Part A only) Early Retirement Incentive (ERI). All outstanding components of UAAL are being amortized over closed periods. <sup>3</sup>
<b>Remaining amortization period</b>	1 year for 2002 ERI (Part A only)	2 years for 2002 ERI (Part A only)
<b>Actuarial asset valuation method</b>	Modified six-year moving average of market values with a “market value restart” as of June 30, 1999. For assets of Variable Annuity Program, current market value.	Modified six-year moving average of market values with a “market value restart” as of June 30, 1999. For assets of Variable Annuity Program, current market value.
<b>Actuarial assumptions:</b>		
<b>Investment rate of return</b>	8.0% per annum <sup>4</sup> (4.0% per annum for benefits payable under the Variable Annuity Programs).	8.0% per annum <sup>4</sup> (4.0% per annum for benefits payable under the Variable Annuity Programs).
<b>Post-retirement mortality</b>	Tables adopted by Retirement Board during Fiscal Year 2006.	Tables adopted by Retirement Board during Fiscal Year 2006.
<b>Active service: withdrawal, death, disability, service retirement</b>	Tables adopted by Retirement Board during Fiscal Year 2006.	Tables adopted by Retirement Board during Fiscal Year 2006.
<b>Salary increases</b>	In general, merit and promotion increases plus assumed general wage increases of 3.0% per year. <sup>4</sup>	In general, merit and promotion increases plus assumed general wage increases of 3.0% per year. <sup>4</sup>
<b>Cost-of-living adjustments</b>	1.3% per annum <sup>4</sup>	1.3% per annum <sup>4</sup>

(1)—Under the One-Year Lag Methodology, the actuarial valuation determines the Employer Contribution for the second following fiscal year.

(2)—Under this Actuarial Cost Method, the Initial Liability was reestablished as of June 30, 1999 by the Entry Age Actuarial Cost Method, but with the UAAL no less than \$0. The financial results using this Frozen Initial Liability Actuarial Cost Method differ minimally from those that would be produced using the Aggregate Actuarial Cost Method.

(3)—In conjunction with Chapter 85/00, there is an amortization method. However, the June 30, 1999 UAAL for the Plan equaled \$0 and no amortization period was required. Chapter 69 of the Laws of 2002 established a UAAL as of June 30, 2003 for an ERI. The UAAL is being amortized on a level basis over a period of five years beginning Fiscal Year 2004.

(4)—Developed assuming a long-term Consumer Price Inflation of 2.5% per year.

**SCHEDULE 4: SUPPLEMENTARY INFORMATION (UNAUDITED)**  
**FUNDED STATUS BASED ON ENTRY AGE ACTUARIAL COST METHOD**  
*(In Thousands)*

This Schedule is being provided by the Actuary for the Plan to improve the transparency and decision usefulness of this financial report.

The Actuarial Cost Method (ACM) used to develop the funding requirements for the Plan is the Frozen Initial Liability (FIL) ACM. Under this ACM, following establishment of any Initial Unfunded Actuarial Accrued Liabilities (UAAL), actuarial gains and losses are financed over the working lifetimes of active participants and are not identified as separate UAAL.

The funding status and funding progress information provided in this Schedule has been prepared using the Entry Age ACM where the Actuarial Present Value (APV) of any obligations of the Plan are not provided by the APV of Future Contributions (Employer and Employee), as determined under the Entry Age ACM, equals the Actuarial Accrued Liability (AAL). Under the Entry Age ACM, the UAAL equals the AAL minus the Actuarial Value of Assets.

Actuarial Valuation Date	Actuarial Assets Value of Assets (a)	Actuarial Accrued Liability (AAL) – Entry Age (b)	Unfunded AAL (UAAL) – Entry Age (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll (b-a)/c
June 30, 2006 (Lag)	\$32,405,645	\$45,138,925	\$12,733,403	71.8%	\$6,978,726	182.5%
June 30, 2005 (Lag)	\$32,865,126	\$42,644,415	\$9,779,289	77.1%	\$6,273,910	155.9%
June 30, 2004 (Lag)	\$33,149,251	\$40,871,986	\$7,722,735	81.1%	\$6,175,940	125.0%

*Note: Actuarial assumptions are those shown in Schedule 3.*







# Financial Section (TDA)

Independent Auditors' Report	73
Management's Discussion and Analysis (Unaudited)	74
Statement of Plan Net Assets	78
Statement of Changes in Plan Net Assets	79
Notes to Financial Statements	80







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## Independent Auditors' Report

To the Board of Trustees  
Teachers' Retirement System of the City of New York  
Tax-Deferred Annuity Program

We have audited the accompanying statements of Plan net assets of the Teachers' Retirement System of the City of New York Tax-Deferred Annuity Program (the Plan) as of June 30, 2008 and 2007, and the related statements of changes in Plan net assets for the years then ended. These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on these financial statements based on our 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 Plan's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, such financial statements present fairly, in all material respects, the net assets of the Plan as of June 30, 2008 and 2007, and the changes in plan net assets for the years then ended in conformity with accounting principles generally accepted in the United States of America.

Management's Discussion and Analysis is not a required part of the financial statements, but is supplementary information required by the Governmental Accounting Standards Board (GASB). This supplementary information is the responsibility of Plan management. We have applied certain limited procedures, which consisted principally of inquiries of management regarding the methods of measurement and presentation of such required supplementary information. However, we did not audit this information and express no opinion on it.

*Deloitte + Touche LLP*

October 28, 2008

## Management's Discussion and Analysis (Unaudited)

This narrative discussion and analysis of the Teachers' Retirement System of the City of New York Tax-Deferred Annuity Program's (the TDA Program or the Plan) financial performance provides an overview of the Plan's financial activities for the fiscal years ended June 30, 2008 and 2007. It is meant to assist the reader in understanding the TDA Program's financial statements by providing an overall review of the financial activities during the two years and the effects of significant changes, as well as a comparison with prior years' activity and results. This discussion and analysis is intended to be read in conjunction with the Plan's financial statements, which begin on page 78.

The Teachers' Retirement System of the City of New York (TRS) maintains the TDA Program and the TRS Qualified Pension Plan (QPP). The TDA Program became effective February 1, 1970 and was established pursuant to and is administered according to the rules and regulations of Internal Revenue Code Section 403(b).

Members of TRS QPP have the option to participate in the TDA Program, which provides a means of deferring income tax payments on members' voluntary contributions until the period after retirement or upon withdrawal of contributions.

### Overview of Basic Financial Statements

The following discussion and analysis is intended to serve as an introduction to the TDA Program's basic financial statements. The basic financial statements are as follows:

- The **Statement of Plan Net Assets** presents the financial position of the Plan at fiscal year-end. It indicates the assets available for payment of future benefits and any current liabilities that are owed as of the statement date. Investments are shown at fair value. All other assets and liabilities are determined on an accrual basis.
- The **Statement of Changes in Plan Net Assets** presents the results of activities during the fiscal year. All changes affecting the assets and liabilities of the Plan are reflected on an accrual basis when the activity occurred, regardless of the timing of the related cash flows. In that regard, changes in the fair values of investments are included in the year's activity as net appreciation (depreciation) in fair value of investments.
- The **Notes to Financial Statements** provide additional information that is essential to a full understanding of the data provided in the financial statements. The notes present information about the TDA Program's accounting policies, significant account balances and activities, material risks, obligations, contingencies, and subsequent events, if any.

The financial statements are prepared in accordance with Governmental Accounting Standards Board (GASB) Pronouncements.

### Financial Highlights

The TDA Program's total assets exceeded its liabilities by \$16.3 billion, \$16.4 billion and \$14.1 billion as of June 30, 2008, 2007, and 2006, respectively. These net assets are held in trust for the payment of future benefits to members and pensioners.

The TDA Program's net assets held in trust, at June 30, 2008, decreased by \$112.1 million (0.7%) from June 30, 2007 and increased by \$2.1 billion (15.2%) from June 30, 2006.

## STATEMENT OF PLAN NET ASSETS

	2008	As of June 30 2007	2006
Cash	\$ 63,971	\$ 40,982	\$ 40,445
Receivables for investment securities sold	61,799,475	71,559,142	3,013,855
Receivables for accrued interest and dividends	49,075,939	36,885,825	21,725,178
Receivables from TRS QPP	1,428,138	14,417,484	23,337,320
Member loan receivables	239,994,775	220,544,412	194,890,597
Investments, at fair value	18,227,211,963	18,132,080,518	15,217,609,401
<b>TOTAL ASSETS</b>	<b>\$ 18,579,574,261</b>	<b>\$ 18,475,528,363</b>	<b>\$ 15,460,616,796</b>
Accounts payable	197,909,804	109,482,019	97,515,589
Payables for investment securities purchased	68,724,183	70,851,101	4,518,431
Accrued benefits payable	63,729,686	48,565,295	54,244,650
Payables for securities-lending transactions	1,981,337,960	1,866,632,503	1,184,099,879
<b>TOTAL LIABILITIES</b>	<b>\$ 2,311,701,633</b>	<b>\$ 2,095,530,918</b>	<b>\$ 1,340,378,549</b>
<b>PLAN NET ASSETS HELD IN TRUST FOR BENEFITS</b>	<b>\$ 16,267,872,628</b>	<b>\$ 16,379,997,445</b>	<b>\$ 14,120,238,247</b>

Receivables for investment securities sold at June 30, 2008 amounted to \$61.8 million, a decrease of \$9.8 million (13.6%) from June 30, 2007 and an increase of \$58.8 million (1950.5 %) from June 30, 2006. This balance is principally composed of receivables for securities that have been sold but have not yet settled (*i.e.*, the cash has not been collected). This increase resulted from timing differences in trading and settlement dates. Trades typically do not settle until a few days after the trade date.

Receivables for accrued earnings at June 30, 2008 were \$49.1 million, an increase of \$12.2 million (33.1%) over June 30, 2007 and \$27.4 million (125.9%) over June 30, 2006.

Receivables from QPP represent the TDA share of investment income and receivables for securities from the Variable Annuity Program. Receivables from the TRS QPP at June 30, 2008 were \$1.4 million, a decrease of \$13.0 million (90.1%) over June 30, 2007 and \$21.9 million (93.9%) over June 30, 2006.

Member loan receivables amounted to \$240.0 million, an increase of \$19.5 million (8.8%) from the prior June and \$45.1 million (23.1%) from June 30, 2006. For Fiscal Year 2008, loan disbursements amounted to \$124.4 million and principal and interest payments amounted to \$111.3 million.

Investments at June 30, 2008 were \$18.2 billion, an increase of \$95.1 million (0.5%) from June 30, 2007 and \$3.0 billion (19.8%) from June 30, 2006.

Accounts payable at June 30, 2008 amounted to \$197.9 million, compared to \$109.5 million at June 30, 2007 for an increase of 80.8%, and \$97.5 million at June 30, 2006 for an increase of 103.0%. The TDA Program's accounts payable balance primarily funds the TDA Program's investment and administrative expense payments.

Payables for investment securities purchased at June 30, 2008 amounted to \$68.7 million, decreasing \$2.1 million (3.0%) from June 30, 2007 and increasing \$64.2 million (1421.0%) from June 30, 2006. Investments purchased are accounted for on a trade-date basis. The changes resulted from timing differences in settlement dates, similar to receivables for investments sold discussed earlier. Accrued benefits payable at June 30, 2008 amounted to \$63.7 million, an increase of \$15.2 million (31.2%) from June 30, 2007 and an increase of \$9.5 million (17.5%) from June 30, 2006. The \$15.2 million accrued benefit increase from the period ended June 30, 2007 to June 30, 2008 is attributed to an increase in pending membership withdrawals and benefits payable to beneficiaries.

	<b>STATEMENT OF CHANGES IN PLAN NET ASSETS</b>		
	2008	<i>Year Ended June 30</i> 2007	2006
<b>Additions:</b>			
Member contributions	\$ 602,748,851	\$ 579,380,931	\$ 556,812,734
Net investment (loss) income	(273,687,413)	2,047,234,891	1,294,161,402
<b>TOTAL NET ADDITIONS</b>	<b>\$ 329,061,438</b>	<b>\$ 2,626,615,822</b>	<b>\$ 1,850,974,136</b>
<b>Deductions:</b>			
Administrative expenses	12,135,421	10,855,415	8,889,316
Benefits payments and withdrawals	429,050,834	356,001,209	332,025,043
<b>TOTAL DEDUCTIONS</b>	<b>\$ 441,186,255</b>	<b>\$ 366,856,624</b>	<b>\$ 340,914,359</b>
<b>NET (DECREASE) INCREASE</b>	<b>\$ (112,124,817)</b>	<b>\$ 2,259,759,198</b>	<b>\$ 1,510,059,777</b>

### Changes in Plan Net Assets

TRS received \$602.7 million in member contributions during Fiscal Year 2008, an increase of \$23.4 million (4.0%) from Fiscal Year 2007 and \$45.9 million (8.25%) from Fiscal Year 2006.

Net investment income decreased by \$2.3 billion (loss) from Fiscal Year 2007 and \$1.6 billion (loss) from Fiscal Year 2006.

Administrative expenses for the fiscal year ended June 30, 2008 totaled \$12.1 million, an increase of \$1.3 million (11.8%) from Fiscal Year 2007 and \$3.2 million (36.5%) from Fiscal Year 2006.

Benefit payments and withdrawals for the fiscal year ended June 30, 2008 totaled \$429.0 million, an increase of \$73.0 million (20.5%) from Fiscal Year 2007 and \$97.0 million (29.2%) from Fiscal Year 2006. Benefit payments and withdrawals consisted primarily of total and partial withdrawals.

### Investments

TRS uses the S&P 500 and Russell 3000 indices to provide benchmarks for equity domestic and private equity investment returns and the MSCI EAFE (Morgan Stanley Capital Investment Index for Europe, Australia, and Far East) index for international equity returns. The Citigroup BB & B Rated and NYC indices are used to provide benchmarks for debt securities. The Wilshire Real Estate and NCREIF (National Council of Real Estate Investment Fiduciaries) Property Index and Solomon's two-year US treasury fund are used to provide benchmarks for mortgage investments and investment contracts, respectively. TRS does not use benchmarks for short-term investments.

Investments held by TRS are listed according to their investment classification in the following table:

<b>INVESTMENT SUMMARY</b>		
<i>Fair Value</i>		
<b>Type of Investment</b>	<b>2008</b>	<b>2007</b>
Short-term investments	\$ 552,438,497	\$ 513,790,603
Debt securities	2,976,247,981	2,173,324,851
Equity securities—Domestic	10,415,537,324	11,742,265,863
Private equity	417,286,828	212,311,067
Mutual Funds—International equity	1,354,729,038	1,219,332,499
Mutual Funds—TIPS	372,176,031	238,154,722
Mortgages	30,908,308	17,763,143
Promissory notes	4,002,310	2,304,849
Managed investment contracts	116,450,786	121,092,239
Guaranteed investment contracts	6,096,900	25,108,179
Collateral from securities lending	1,981,337,960	1,866,632,503
<b>TOTAL</b>	<b>\$ 18,227,211,963</b>	<b>\$ 18,132,080,518</b>

### Contact Information

This financial report is designed to provide a general overview of the Teachers' Retirement System of the City of New York Tax-Deferred Annuity Program's finances. Questions concerning any data provided in this report or requests for additional information should be directed to Paul J. Raucci, Chief Accountant, Teachers' Retirement System of the City of New York, 55 Water Street, New York, NY 10041.

## STATEMENTS OF PLAN NET ASSETS—TDA

	As of June 30	
	2008	2007
<b>ASSETS</b>		
Cash	\$ 63,971	\$ 40,982
Receivables:		
Investment securities sold	61,799,475	71,559,142
Accrued interest and dividends	49,075,939	36,885,825
Receivables from TRS QPP (Note 5)	1,428,138	14,417,484
Member loans	239,994,775	220,544,412
<b>TOTAL RECEIVABLES</b>	<b>\$ 352,298,327</b>	<b>\$ 343,406,863</b>
Investments, at Fair Value (Notes 2 and 3):		
Fixed funds:		
Short-term investment fund	265,822,153	264,043,276
Debt securities:		
U.S. Government	1,095,327,762	878,785,663
Corporate	1,091,172,747	848,608,971
Foreign	36,097,342	16,548,881
Equity securities:		
Domestic	4,053,709,667	3,737,995,507
Private equity	417,286,828	212,311,067
Mutual funds:		
Domestic equity	8,721,297	9,626,750
International equity	1,354,729,038	1,219,332,499
Treasury inflation-protected securities	372,176,031	238,154,722
Mortgages	30,908,308	17,763,143
Promissory notes	4,002,310	2,304,849
Securities-lending collateral	1,350,689,551	1,324,201,022
Variable A funds:		
Short-term investments	174,612,771	152,851,950
Equity securities	6,353,106,360	7,994,643,606
Corporate bonds	753,650,130	429,381,336
Securities-lending collateral	587,475,102	517,490,768
Variable B funds:		
Short-term investments	112,003,573	96,895,377
Managed investment contracts	116,450,786	121,092,239
Guaranteed investment contracts	6,096,900	25,108,179
Securities-lending collateral	43,173,307	24,940,713
<b>TOTAL INVESTMENTS</b>	<b>\$ 18,227,211,963</b>	<b>\$ 18,132,080,518</b>
<b>TOTAL ASSETS</b>	<b>\$ 18,579,574,261</b>	<b>\$ 18,475,528,363</b>
<b>LIABILITIES</b>		
Accounts payable	197,909,804	109,482,019
Payables for investment securities purchased	68,724,183	70,851,101
Accrued benefits payable	63,729,686	48,565,295
Securities lending (Note 2)	1,981,337,960	1,866,632,503
<b>TOTAL LIABILITIES</b>	<b>\$ 2,311,701,633</b>	<b>\$ 2,095,530,918</b>
<b>PLAN NET ASSETS HELD IN TRUST FOR BENEFITS</b>	<b>\$ 16,267,872,628</b>	<b>\$ 16,379,997,445</b>

(See accompanying "Notes to Financial Statements—Tax-Deferred Annuity Program")

## STATEMENTS OF CHANGES IN PLAN NET ASSETS—TDA

	Year Ended June 30	
	2008	2007
<b>ADDITIONS</b>		
CONTRIBUTIONS:		
Member contributions (Note 3)	\$ 602,748,851	\$ 579,380,931
INVESTMENT INCOME (Note 5):		
Interest income	699,946,163	580,354,351
Dividend income	115,291,289	71,876,224
Net (depreciation) appreciation in fair value of investments	(1,079,427,746)	1,409,235,237
<b>TOTAL INVESTMENT (LOSS) GAIN</b>	<b>(264,190,294)</b>	<b>2,061,465,812</b>
Less:		
Investment expenses	13,558,241	15,268,783
SECURITIES-LENDING TRANSACTIONS:		
Securities-lending income	28,089,422	19,510,026
Securities-lending fees	(24,028,299)	(18,472,164)
Net securities-lending income	4,061,123	1,037,862
<b>NET INVESTMENT (LOSS) INCOME</b>	<b>\$ (273,687,413)</b>	<b>\$ 2,047,234,891</b>
<b>TOTAL NET ADDITIONS</b>	<b>\$ 329,061,438</b>	<b>\$ 2,626,615,822</b>
DEDUCTIONS:		
Benefit payments and withdrawals (Note 4)	429,050,834	356,001,209
Administrative expenses (Note 8)	12,135,421	10,855,415
<b>TOTAL DEDUCTIONS</b>	<b>\$ 441,186,255</b>	<b>\$ 366,856,624</b>
NET (DECREASE) INCREASE	(112,124,817)	2,259,759,198
NET ASSETS HELD IN TRUST FOR BENEFITS AT BEGINNING OF YEAR	16,379,997,445	14,120,238,247
<b>NET ASSETS HELD IN TRUST FOR BENEFITS AT END OF YEAR</b>	<b>\$ 16,267,872,628</b>	<b>\$ 16,379,997,445</b>

(See accompanying "Notes to Financial Statements—Tax-Deferred Annuity Program")



## Notes to Financial Statements—Tax-Deferred Annuity Program

### 1. TDA Program Description

The Teachers' Retirement System of the City of New York (TRS) maintains the TRS Tax-Deferred Annuity Program (the TDA Program or the Plan) and the TRS Qualified Pension Plan (QPP). The TDA Program was established pursuant to Internal Revenue Code Section 403(b) and became effective February 1, 1970. The TRS QPP is maintained as a separate plan and is not included in these financial statements.

Members of the TRS QPP have the option to participate in the TDA Program, which provides a means of deferring income tax payments on members' voluntary contributions until the period after retirement or upon withdrawal of contributions. The TDA Program is administered according to the rules and regulations of Internal Revenue Code Section 403(b).

### 2. Summary of Significant Accounting Policies and Plan Asset Matters

#### (a) Basis of Accounting

The TDA Program is accounted for on an accrual basis of accounting in which the measurement focus is on a flow of economic resources. Revenues are recognized in the accounting period in which they are earned and expenses are recognized in the period incurred.

#### (b) Investment Valuation

Investments are reported at fair value. Securities purchased pursuant to agreements to resell are carried at the contract price, exclusive of interest, at which the securities will be resold. Fair value is defined as the quoted market value on the last trading day of the period, except for the International Investment funds (the IIF) and Alternative Investment funds (the ALTINVF). The IIF are private funds of publicly traded securities which are managed by various investment managers on behalf of the TDA Program. Fair value is determined by the TDA Program management based on information provided by the various investment managers. The investment managers determine fair value using the last available quoted price for each security owned adjusted by any contributions to or withdrawals from the fund during the period. The ALTINVF are investments for which exchange quotations are not readily available and are valued at estimated fair value as determined in good faith by the General Partner (GP). These investments are initially valued at cost with subsequent adjustments that reflect third party transactions, financial operating results and other factors deemed relevant by the GP. Fair value is determined by the TDA program management based on information provided by the various GP's after review by an independent consultant and the custodian bank for the fund.

Purchases and sales of securities are reflected on the trade date. Gains and losses on sale of securities are based on the average cost of securities.

Dividend income is recorded on the ex-dividend date. Interest income is recorded as earned on an accrual basis.

No investment in any one organization represents 5% or more of the Plan net assets held for benefits.

#### (c) Income Taxes

Income of the TDA Program is not subject to federal income tax.

#### (d) Securities-Lending Transactions

State statutes and Board policies permit the TDA Program to lend its securities to broker-dealers and other entities with a simultaneous agreement to return the collateral for the same securities in the future.

The TDA Program's custodian lends the following types of securities: short-term securities, common stock, long-term corporate bonds, U.S. Government and U.S. Government agencies' bonds, asset-backed securities and international equities, and bonds held in collective investment funds. In return, it receives collateral in the form of cash and treasury and agency securities at 100% to 105% of the principal plus accrued interest for reinvestment. Management believes the TDA Program has limited credit risk exposure to borrowers because the amounts the TDA Program owed the borrowers equaled or exceeded the amounts the borrowers owed the TDA Program. The contracts with the TDA Program's custodian require borrowers to indemnify the TDA Program if the borrowers fail to return the securities and if the collateral is inadequate to replace the securities loaned or if there is a failure to pay the TDA Program for income distributions by the securities' issuers while the securities are on loan. All securities loans can be terminated on demand within a period specified in each agreement by either the TDA Program or the borrowers. Cash collateral is invested in the lending agents' short-term investment pools, which have a weighted average maturity of 90 days. The underlying fixed-income securities in these pools have an average maturity of ten years.

The securities-lending program in which the TDA Program participates only allows pledging or selling securities in the case of borrower default.

GASB Statement No. 28, *Accounting and Financial Reporting for Securities-Lending Transactions*, requires that securities loaned as assets and related liabilities be reported in the Statements of Plan Net Assets. Cash received as collateral on securities-lending transactions and investments made with that cash are reported as assets. As of the balance sheet date the maturities of the investments made with cash collateral on average exceed the maturities of the securities loans by approximately 30 days. Securities received as collateral are also reported as assets if the government entity has the ability to pledge or sell them with a borrower default. Accordingly, the Plan recorded the investments purchased with the cash collateral from securities lending with a corresponding liability for securities lending. Securities on loan are carried at market value; the value as of June 30, 2008 is \$1.952 billion.

### 3. Funding and Contributions

Contributions to the TDA Program are made by the members only and are voluntary. Active members of the Plan are required to submit a salary-reduction agreement and enrollment request. Re-enrollment in the TDA Program is automatic, and members may choose to stop contributions at any time. A participant may elect to exclude an amount (within the maximum allowed by the IRS) of this compensation from current taxable income by contributing it to the TDA Program. This maximum amount is calculated based on various individual factors such as birth date, annual salary, years of employment with the New York City Department of Education or the City University of New York, accumulated contributions, Increased-Take-Home-Pay rate, and Annuity Savings Fund rate. Also, members can elect to invest their funds among the following investment programs: Fixed Return Fund (Fixed Annuity Program), or the Variable-Return Funds (Variable Annuity Programs) (see Note 5).

An expense charge is deducted from the TDA Program contributions to cover the expenses incurred in the operation of the TDA Program. This expense charge is determined by the Board of Trustees.

Benefits provided under the TDA Program are derived from members' accumulated contributions. No benefits are provided by employer contributions.

### 4. TDA Program Description and Benefits

A participant may withdraw all or part of the balance of his/her account prior to or at the time of retirement. As of January 1, 1989, the tax laws restrict withdrawals of tax-deferred annuity contributions and accumulated earnings thereon for reasons other than retirement or termination. Contributions made after December 31, 1988 and investment earnings credited after December 31, 1988 may only be

withdrawn upon attainment of age 59½ or for reasons of hardship (as defined by IRS regulations). However, hardship withdrawals are limited to contributions only.

An in-service member may withdraw all or part of the contributions made before January 1, 1989 and the earnings credited to accounts before January 1, 1989. If the withdrawal is prior to retirement, the member may not contribute to the TDA Program for the rest of the calendar year.

If a member dies while an in-service employee, the full value of his/her TDA account at the date of death is paid to the member's beneficiary or estate.

When a member resigns before attaining vested rights under the TRS QPP, (s)he may withdraw the value of the account or may leave the account in the TDA Program for a period of up to seven school years after the date of resignation, provided (s)he does not withdraw his/her account from the TRS QPP. If a member resigns after attaining vested rights under the TRS QPP, (s)he may leave his/her account in the TDA Program, provided the member does not withdraw his/her QPP funds. Once a withdrawal is made from the TRS QPP, the member's participation in the TDA Program is automatically terminated, and the value of the account in the TDA Program will be refunded to the member.

At retirement, several payment options are available to those who annuitize their TDA funds. Generally, the same optional selection of benefits that is available through the TRS QPP is available under the TDA Program.

## **5. Investment Programs**

The TDA Program's investments comprise the assets of three investment programs. These are the Fixed Return Fund (part of the New York City Pension Fund and prior to April 1, 2008 referred to as the Fixed Annuity Program) and two Variable Annuity Programs: the Diversified Equity Fund (formerly Variable A Annuity Program), which consists primarily of equity securities, and the Stable-Value Fund (formerly Variable B Annuity Program), which consists primarily of Managed Investment Contracts. As of July 1, 2008, the Plan's investment programs were expanded to include three new programs: the International Equity Fund, the Inflation Protection Fund, and the Socially Responsive Equity Fund. The six investment programs are collectively referred to as the TRS Passport funds.

Assets of the Fixed Return Fund (Fixed Annuity Program) of the TDA Program are co-invested with certain assets of the TRS QPP. Assets of the Variable-Return Funds (Variable Annuity Programs) of the TDA Program are co-invested with certain assets of the TRS QPP and the New York City Board of Education Retirement System. These financial statements reflect the TDA Program's proportionate share of the investment and the related activity of each of these programs.

Payments and receivables from the TRS QPP represent, principally, amounts due from/due to the TDA Program for net benefits paid by the TRS QPP on behalf of the TDA Program.

## **6. Investments and Deposits**

The Comptroller of the City of New York (the Comptroller) acts as an investment advisor to the Plan. In addition, the Plan employs an independent investment consultant as an investment advisor. The Plan utilizes several investment managers to manage the long-term debt and equity portfolios. The managers are regularly reviewed, with regard to both their investment performance and their adherence to investment guidelines.

### **(a) Concentration of Credit Risk**

The Plan does not have any investments in any one entity that represent 5% or more of Plan net assets. The legal requirements for Plan investments are as follows:

- (i) Fixed income, equity, and other investments may be made as permitted by New York State RSSL

§§ 176-178(a) and Banking Law § 235, the New York City Administrative Code, and the Legal Investments for New York Savings Banks list as published by The New York State Banking Department, subject to Note 3(b).

- (ii) Investments up to 25% of total pension fund assets may be made in instruments not expressly permitted by the State RSSL.

The Bank of New York Mellon Corporation is the primary custodian for substantially all of the securities of the Plan.

Cash deposits are insured by the Federal Deposit Insurance Corporation for up to \$100,000 (\$250,000 as of October 10, 2008) per Plan member and are, therefore, fully insured.

The information reflected in the Credit Ratings and in the Years to Maturity is derived from the Custodian's Risk and Performance Analytics Reporting System. Such information is prepared as a result of the Custodian's Risk Management Analysis.

### (b) Credit Risk

Portfolios other than U.S. Government and related portfolios have credit rating limitations. Investment Grade portfolios are limited to mostly ratings of BBB and above except that they are also permitted a 10% maximum exposure to BB & B-rated securities. While non-investment grade managers are primarily invested in BB & B-rated securities, they can also invest up to 7% of their portfolio in securities rated CCC or lower. Non-rated securities are considered to be non-investment grade. The quality ratings of investments, by percentage of the rated portfolio, as described by nationally recognized statistical rating organizations, are as follows:

Investment Type*	S&P Quality Ratings									
	AAA	AA	A	BBB	BB	B	CCC & Below	Short Term	Not Rated	Total
June 30, 2008										
U.S. Government	-	-	-	-	-	-	-	-	-	-
Corporate Bonds	14.03%	5.81%	12.16%	13.27%	13.28%	15.59%	2.41%	0.03%	2.22%	78.80%
Yankee Bonds	0.15%	0.49%	1.37%	0.58%	0.06%	0.01%	-	-	0.02%	2.68%
Short Term										
Commercial Paper	6.53%	-	-	-	-	-	-	-	-	6.53%
Pooled Funds	-	-	-	-	-	-	-	-	11.93%	11.93%
Certificates of Deposit	-	-	0.06%	-	-	-	-	-	-	0.06%
Master Notes	-	-	-	-	-	-	-	-	-	-
U.S. Treasuries	-	-	-	-	-	-	-	-	-	-
U.S. Agencies	-	-	-	-	-	-	-	-	-	-
Percent of Rated Portfolio	20.71%	6.30%	13.59%	13.85%	13.34%	15.60%	2.41%	0.03%	14.17%	100.00%
June 30, 2007										
U.S. Government	13.73%	-	-	-	0.04%	-	-	-	-	13.77%
Corporate Bonds	11.56%	6.06%	11.41%	12.00%	9.78%	16.99%	3.65%	-	1.06%	72.51%
Yankee Bonds	-	-	0.66%	0.73%	0.05%	0.01%	-	-	-	1.45%
Short Term										
Commercial Paper	-	-	2.35%	-	-	-	-	-	0.25%	2.60%
Pooled Funds	-	-	-	-	-	-	-	9.52%	-	9.52%
Repurchase Agreements	-	-	-	-	-	-	-	-	-	-
Certificates of Deposit	-	-	-	-	-	-	-	-	0.15%	0.15%
U.S. Treasuries	-	-	-	-	-	-	-	-	-	-
U.S. Agencies	-	-	-	-	-	-	-	-	-	-
Percent of Rated Portfolio	25.29%	6.06%	14.42%	12.73%	9.87%	17.00%	3.65%	9.52%	1.46%	100.00%

\* U.S. Treasury Bonds, Notes and Treasury-inflation protected securities are obligations of the U.S. government or explicitly guaranteed by the U.S. government and therefore not considered to have credit risk and are not included above.

**(c) Custodial Credit Risk**

Deposits are exposed to custodial credit risk if they are uninsured and uncollateralized. Custodial credit risk is the risk that, in the event of a failure of the counterparty, the Plan will not be able to recover the value of its investment or collateral securities that are in the possession of an outside party.

Investment securities are exposed to custodial credit risk if the securities are uninsured, are not registered in the name of the Plan, and are held by either the counterparty or the counterparty's trust department or agent, but not in the Plan's name.

Consistent with the Plan's investment policy, the investments are held by the Plan's custodian and registered in the Plan's name.

All of the Plan's deposits are insured and/or collateralized by securities held by a financial institution separate from the Plan's depository financial institution.

All of the Plan's securities are held by the Plan's custodial bank in the Plan's name.

**(d) Interest Rate Risk**

Interest rate risk is the risk that the fair value of investments could be adversely affected by the change in interest rates. Duration limits, in relation to a relevant benchmark, are used to control the portfolios' exposure to interest rate changes. Duration is limited to a range of -1 to 0.75 years. Duration range is a measure of the overall portfolio, while statements of the stated maturity reflect the specific maturities of the individual securities held. The lengths of investment maturities (in years), as shown by the percent of the rated portfolio, are as follows:

**Years to Maturity**

Investment Type

June 30, 2008

	Investment Maturities				
	Fair Value	Less than one year	One to five years	Six to ten years	More than ten years
U.S. Government	44.35%	0.62%	1.37%	6.37%	35.99%
Corporate Bonds	43.47%	0.82%	15.63%	14.33%	12.69%
Yankee Bonds	1.48%	0.05%	0.23%	0.50%	0.70%
Short Term					
Commercial Paper	3.60%	3.60%	–	–	–
Pooled Funds	6.59%	6.59%	–	–	–
Certificates of Deposit	0.03%	–	–	–	0.03%
U.S. Treasuries	–	–	–	–	–
U.S. Agencies	0.48%	0.48%	–	–	–
Percent of Rated Portfolio	100.00%	12.16%	17.23%	21.20%	49.41%

June 30, 2007

	Fair Value	Less than one year	One to five years	Six to ten years	More than ten years
U.S. Government	45.40%	2.81%	6.24%	–	36.35%
Corporate Bonds	45.89%	0.87%	14.81%	17.19%	13.02%
Yankee Bonds	0.92%	–	0.37%	0.19%	0.36%
Short Term					
Commercial Paper	1.63%	1.63%	–	–	–
Pooled Funds	6.06%	6.06%	–	–	–
Certificates of Deposit	–	–	–	–	–
U.S. Treasuries	0.10%	0.10%	–	–	–
U.S. Agencies	–	–	–	–	–
Percent of Rated Portfolio	100.00%	11.47%	21.42%	17.38%	49.73%

**(e) Securities-Lending Transactions**

**Credit Risk**—The quality ratings of investments held as collateral for Securities Lending are as follows:

**Investment Type and Fair Value of Securities-Lending Transactions**

(In Thousands)

**S&P Quality Ratings**

June 30, 2008

	AAA	AA	A	BBB	BB	B	CCC & Below	Short Term	Not Rated	Total
U.S. Government	\$ 11,909	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,909
Corporate Bonds	318,850	259,827	39,688	-	-	-	-	142,435	4,344	765,144
Yankee Bonds	-	-	-	-	-	-	-	-	-	-
Short Term	-	-	-	-	-	-	-	-	-	-
Bank Notes	56,041	349,933	103,813	-	-	-	-	100,503	23,253	633,543
Commercial Paper	-	-	4,543	-	-	-	-	-	-	4,543
Certificates of Deposit	-	199	-	-	-	-	-	7,460	-	7,659
Certificates of Deposit— Floaters	-	43,020	3,031	-	-	-	-	159,102	-	205,153
Funding Agreements	-	41	-	-	-	-	-	-	-	41
Mutual Funds	112,801	-	-	-	-	-	-	-	-	112,801
Master Notes	257	-	-	-	-	-	-	-	-	257
Money Market Funds	-	779	-	-	-	-	-	-	-	779
Repurchase Agreements	-	-	2,302	-	-	-	-	-	188,277	190,579
Reversal Purchase Agreements	-	-	-	-	-	-	-	-	48,032	48,032
Time Deposit	-	-	-	-	-	-	-	898	-	898
<b>Total</b>	<b>\$ 499,858</b>	<b>\$ 653,799</b>	<b>\$ 153,377</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 410,398</b>	<b>\$ 263,906</b>	<b>\$1,981,338</b>
Percent of Securities-Lending Portfolio	25.23%	33.00%	7.74%	0.00%	0.00%	0.00%	0.00%	20.71%	13.32%	100.00%

June 30, 2007

	AAA	AA	A	BBB	BB	B	CCC & Below	Short Term	Not Rated	Total
U.S. Government	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Corporate Bonds	200,123	96,570	98,138	-	-	-	-	120,745	5,941	521,517
Yankee Bonds	-	-	-	-	-	-	-	11,861	-	11,861
Short Term	-	-	-	-	-	-	-	-	-	-
Commercial Paper	-	-	-	-	-	-	-	40,868	-	40,868
Pooled Funds	120,106	-	-	-	-	-	-	-	-	120,106
Repurchase Agreement	-	-	69,843	-	-	-	-	6,120	305,726	381,689
Certificates of Deposit	35,182	234,022	129,134	-	-	-	-	126,358	-	524,696
Bank Notes	15,419	126,463	60,597	-	-	-	-	33,620	-	236,099
Other	19	228	-	-	-	-	-	29,550	-	29,797
<b>Total</b>	<b>\$ 370,849</b>	<b>\$ 457,283</b>	<b>\$ 357,712</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 369,122</b>	<b>\$ 311,667</b>	<b>\$1,866,633</b>
Percent of Securities-Lending Portfolio	19.87%	24.50%	19.16%	0.00%	0.00%	0.00%	0.00%	19.77%	16.70%	100.00%

**Interest Rate Risk**—The lengths of investment maturities (in years) of the collateral for Securities Lending are as follows:

**Years to Maturity**

**Investment Type**

(In Thousands)

June 30, 2008

	Investment Maturities				
	Fair Value	Less than one year	One to five years	Six to ten years	More than ten years
U.S. Government	\$ 11,909	\$ 11,909	\$ –	\$ –	\$ –
Corporate Bonds	765,144	264,914	500,230	–	–
Yankee Bonds	–	–	–	–	–
Short Term					
Bank Notes	633,543	300,193	333,350	–	–
Commercial Paper	4,543	4,543	–	–	–
Certificates of Deposit	7,659	7,659	–	–	–
Certificates of Deposit—Floaters	205,153	159,102	46,051	–	–
Funding Agreements	41	41	–	–	–
Mutual Funds	112,801	112,801	–	–	–
Master Notes	257	257	–	–	–
Money Market Funds	779	779	–	–	–
Repurchase Agreements	190,579	190,579	–	–	–
Reversal Purchase Agreements	48,032	48,032	–	–	–
Time Deposit	898	898	–	–	–
<b>Total</b>	<b>\$1,981,338</b>	<b>\$1,101,707</b>	<b>\$ 879,631</b>	<b>\$ –</b>	<b>\$ –</b>
Percent of Securities-Lending Portfolio	100.00%	55.60%	44.40%	0.00%	0.00%

June 30, 2007

	Fair Value	Less than one year	One to five years	Six to ten years	More than ten years
U.S. Government	\$ –	\$ –	\$ –	\$ –	\$ –
Corporate Bonds	521,516	181,473	340,043	–	–
Yankee Bonds	11,861	4,874	6,987	–	–
Short Term					
Commercial Paper	110,711	110,711	–	–	–
Pooled Funds	120,106	120,106	–	–	–
Repurchase Agreements	311,845	311,845	–	–	–
Certificates of Deposit	524,697	408,228	116,469	–	–
Bank Notes	236,100	31,468	204,632	–	–
Other	29,797	27,792	2,005	–	–
<b>Total</b>	<b>\$1,866,633</b>	<b>\$1,196,497</b>	<b>\$ 670,136</b>	<b>\$ –</b>	<b>\$ –</b>
Percent of Securities-Lending Portfolio	100.00%	64.10%	35.90%	0.00%	0.00%

## 7. Member Loans

Members are permitted to borrow up to 75% of their own contributions, including accumulated interest. The balance of member loans receivable at June 30, 2008 and 2007 is \$240 million and \$221 million, respectively. Outstanding loan balances are insured in order to protect members' balances in case of death. In return for the insurance coverage members supplement their 8.25% (APR) interest payments with a 0.30% (APR) insurance fee. Upon termination of employment before retirement, members are entitled to refunds of their own contributions, including accumulated interest, less any loans outstanding.



## **8. Related Parties**

Administrative and investment-related expenses, except those related to the Variable Annuity Program, are paid by the City of New York (the City). The Comptroller is custodian of Plan assets. The Comptroller also provides administrative services to the TDA Program. Actuarial services are provided to the TDA Program by the Plan's Chief Actuary of the Office of the Actuary employed by the Boards of Trustees of the City's main pension systems. The City's Corporation Counsel provides legal services to the TDA Program. Other administrative services are also provided by the City.

As discussed in Note 5, the TDA Program's Fixed Return Fund (Fixed Annuity Program) assets, other than City obligations, are co-invested with those of the TRS QPP. The TDA Program's Variable Annuity Program assets are co-invested with those of the TRS QPP and the Board of Education Retirement System's Tax-Deferred Annuity Program.

## **9. Subsequent Events**

The systemic risk elevation in global financial markets that first became apparent in the latter half of 2007 continued in 2008 and accelerated in September 2008 with significant financial institution stresses and failures and world-wide government interventions. This market downturn was dominated by the collapse of the sub prime mortgage markets and the credit crisis in capital markets.

The equity markets have been particularly impacted by the current market conditions, which have had a negative effect on the market value of the assets of the Plan.

The assets consist of public market securities; as such the assets are available to meet liquidity needs.







# Actuarial Section

Actuary's Comprehensive Annual Financial Report (CAFR) Certification Letter for Fiscal Year Ended June 30, 2008	91
Summary of Actuarial Assumptions and Methods in Effect for the June 2006 (Lag) Actuarial Valuation	94
Table 1—Deaths Among Service and Disability Pensioners	96
Table 2—Withdrawals from Active Service (Due to Death or Disability)	96
Table 3—Withdrawals from Active Service	97
Table 4—Withdrawals from Active Service (After Eligibility for Service Retirement)	97
Table 5—Salary Scale	98
Active Member Valuation Data	98
Retirants and Beneficiaries Added to and Removed from Rolls	99
Comparative Summary of Actuarial Values and Percentages Covered by Actuarial Value of Assets (Solvency Test)	99
Comparative Summary of Actuarial Values and Percentages Covered by Actuarial Value of Assets (Solvency Test—Notes)	100
Additional Discussion of Plan Funding and Other Measures of Funded Status	101
Statutory vs. Annual Required Contributions	105





**OFFICE OF THE ACTUARY**

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**ROBERT C. NORTH, JR.**  
CHIEF ACTUARY

December 11, 2008

Retirement Board  
Teachers' Retirement System of the City of New York  
55 Water Street  
New York, NY 10041

Re: Actuarial Information for the Comprehensive Annual Financial Report (CAFR) for the Fiscal Year ended June 30, 2008

Dear Members:

The financial objective of the Teachers' Retirement System of the City of New York—Qualified Pension Plan (the Plan) is to fund members' retirement benefits during their active service and to establish employer normal contribution rates that, expressed as a percentage of active member annualized covered payroll, would remain approximately level over the future working lifetimes of those active members and, together with member contributions and investment income, would ultimately be sufficient to accumulate assets to pay benefits when due.

An actuarial valuation of the Plan is performed annually as of the second June 30 preceding each fiscal year to determine the Employer Contributions to be paid for that fiscal year (*i.e.*, June 30, 2006 (Lag) actuarial valuation to determine Fiscal Year 2008 Employer Contributions).

Under current law, Employers are required to contribute statutorily-required contributions (Statutory Contributions) and these contributions are generally funded by Employers within the appropriate fiscal year.

Statutory Contributions for Fiscal Year 2008 were equal to the Annual Required Contributions as defined under Governmental Accounting Standards Board (GASB) Statement Number 25 (GASB 25) as amended by GASB Statement No. 50 (GASB 50)

The Annual Required Contributions were computed in accordance with GASB 25 as amended by GASB 50 and are consistent with generally accepted actuarial principles.

**Actuarial Assumptions and Methods**

Provided in this Actuarial Section of the CAFR is a "Summary of Actuarial Assumptions and Methods in Effect for the June 30, 2006 (Lag) Actuarial Valuation." These actuarial assumptions and methods were first employed in the June 30, 2004 (Lag) actuarial valuation that was used to determine Fiscal Year 2006 Employer Contributions to the Plan.

These actuarial assumptions and methods are unchanged from those employed in the June 30, 2005 (Lag) actuarial valuation that was used to determine Fiscal Year 2007 Employer Contributions to the Plan.

### **Benefits and Census Data**

A summary of the benefits available under the Plan is shown later in this Actuarial Section of the CAFR.

Census data are submitted by the Plan's administrative staff, by the employers' payroll facilities and by the Comptroller of the City of New York, and are reviewed by the Office of the Actuary (OA) for consistency and reasonability.

A summary of the census data used in the June 30, 2006 (Lag) actuarial valuation is included in this CAFR. A summary of the census data used in the June 30, 2005 (Lag) actuarial valuation of the Plan is available in the June 30, 2007 CAFR.

### **Funded Status**

The Funded Status of the Plan is usually expressed in various relationships of Assets to Liabilities.

With respect to the Funded Status of the Plan, included in the Financial Section of the CAFR is a Schedule of Funding Progress (Schedule 1).

Included in the Actuarial Section of the CAFR is a Solvency Test (*i.e.*, Comparative Summary of Actuarial Values and Percentages Covered by Actuarial Value of Assets) as prescribed by the Government Finance Officers Association (GFOA). This Solvency Test represents an alternative approach to describing progress toward funding objectives.

In addition to the Schedule of Funding Progress and the Solvency Test, included for informational purposes in the Actuarial Section of the CAFR (following the Solvency Test) is an Additional Discussion of Plan Funding and Other Measures of Funded Status that provides different comparisons between the Assets and Liabilities of the Plan. Included in this Other Measures of Funded Status Discussion is information consistent with the disclosure expectations of GASB 50.

### **Presentation Style and Sources of Information**

The actuarial information herein is being presented in a manner believed to be consistent with the requirements of the GFOA and, where applicable, with GASB 25 which was adopted for financial reporting purposes beginning Fiscal Year 1995 and with GASB 50 which was adopted for financial reporting purposes beginning Fiscal Year 2008.

The Additional Discussion of Plan Funding and Other Measures of Funded Status represents additional information provided by the Actuary to assist those users who desire alternative analyses.

As prescribed by GASB 25 as amended by GASB 50, included in the Financial Section of the CAFR are the following schedules prepared by the OA:

- Schedule of Funding Progress.
- Schedule of Employer Contributions.
- Schedule of Actuarial Assumptions and Methods.

The following schedules in the Actuarial Section of the CAFR were prepared by the OA:

- Summary of Actuarial Assumptions and Methods in Effect for the June 30, 2006 (Lag) Actuarial Valuation.
- Active Member Valuation Data.
- Retirants and Beneficiaries Added to and Removed from Rolls.

- Comparative Summary of Actuarial Values and Percentages Covered by Actuarial Value of Assets—Solvency Test.
- Additional Discussion of Plan Funding and Other Measures of Funded Status.
- Statutory vs. Annual Required Contributions.
- Summary of Plan Provisions.

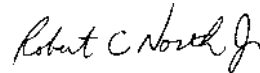
The following information and schedules in other sections of the CAFR were prepared by the OA:

- Summary of Plan Membership.
- Schedule of Participating Employers.

If you have any questions about any of the information in this Actuarial Section or any of the actuarial information elsewhere presented in this CAFR, please do not hesitate to contact Mr. John R. Gibney, Jr. or me.

I, Robert C. North, Jr., am the Chief Actuary for the New York City Retirement Systems. I am a Fellow of the Society of Actuaries and a Member of the American Academy of Actuaries. I meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein.

Respectfully submitted,



Robert C. North, Jr., F.S.A., MAAA  
Chief Actuary

Att.

cc: Mr. P.B. Birnbaum  
Mr. J.R. Gibney  
Mr. E. Hue  
Mr. S.S. Krasner  
Mr. D. Lester  
Mr. J.A. Petrovic  
Mr. P.J. Raucci  
Mr. N. Serrano

## Summary of Actuarial Assumptions and Methods in Effect as of June 30, 2006 (Lag) Actuarial Valuation—Qualified Pension Plan

1. Based upon a review of an October 2003 experience study by Gabriel, Roeder, Smith & Company (GRS), the Actuary issued an August 31, 2005 Report entitled *Proposed Changes in Actuarial Assumptions and Methods for Determining Employer Contributions for Fiscal Years Beginning on and After July 1, 2005 for the New York City Teachers' Retirement System* (August 2005 Report). Where required, the Retirement Board of the Plan adopted those changes to actuarial assumptions that required Board approval and the State Legislature and the Governor enacted Chapter 152 of the Laws of 2006 (Chapter 152/06) to provide for those changes to the actuarial assumptions and methods that required legislation, including the Actuarial Interest Rate (AIR) assumption of 8.0% per annum.

Chapter 152/06 provided for the changes in actuarial assumptions and methods that require legislation, including the continuation of the AIR assumption of 8.0% per annum and continuation of the current Frozen Initial Liability (FIL) Actuarial Cost Method and the existing Unfunded Actuarial Accrued Liability (UAAL). In addition, Chapter 152/06 provided for elimination of the use of the ten-year phase-in of Chapter 278 of the Laws of 2002 (Chapter 278/02) for funding the additional actuarial liabilities created by the benefits provided by Chapter 125 of the Laws of 2000 (Chapter 125/00).

2. The investment rate of return assumption is 8.0% per annum (4.0% per annum for benefits payable under the Variable Annuity Programs).
3. The mortality tables for service and disability pensioners were developed from an experience study of the Plan's pensioners. Sample probabilities are shown in Table 1.
4. Active service tables are used to estimate various withdrawals from active service. Sample probabilities are shown in Table 2 for members withdrawing from active service due to death or disability, in Table 3 for members withdrawing for Other than Death or Disability or Retirement and in Table 4 for members withdrawing from Active Service after eligibility for Service Retirement.
5. A Salary Scale is used to estimate salaries at termination, retirement or death. Sample percentage increases are shown in Table 5. The Salary Scale includes a General Wage Increase (GWI) assumption of 3.0% per annum.
6. The economic assumptions (*i.e.*, the assumed investment return rate, GWI rate and Cost-of-Living Adjustments (COLA) rate) were developed assuming a long-term Consumer Price Inflation (CPI) assumption of 2.5% per annum. The COLA assumption is 1.3% per annum.
7. The valuation assumes a closed group of members. Salaries of members on the valuation date are assumed to increase in accordance with the Salary Scale.
8. The Frozen Initial Liability Actuarial Cost Method is utilized by the Plan's Actuary to calculate the contribution from the employers. Under this Actuarial Cost Method, the Initial Liability was reestablished by the Entry Age Actuarial Cost Method as of June 30, 1999 but with the Unfunded Actuarial Accrued Liability (UAAL) not less than \$0.

Under this method, the excess of the Actuarial Present Value (APV) of projected benefits of members as of the valuation date, over the sum of the Actuarial Asset Value (AAV) plus UAAL, if any, and the APV of future employee contributions, is allocated on a level basis over the future earnings of members who are on payroll as of the valuation date. Actuarial gains and losses are reflected in the employer normal contribution rate.

All outstanding components of the UAAL are being amortized over closed periods.

Chapter 85 of the Laws of 2000 (Chapter 85/00) reestablished the UAAL and eliminated the Balance Sheet Liability (BSL) for actuarial purposes as of June 30, 1999.

The schedule of payments toward the reestablished UAAL provides that the UAAL, if any, be amortized over a period of 11 years beginning Fiscal Year 2000, where each annual payment after the first annual payment equals 103% of its preceding annual payment. However, the initial UAAL as of June 30, 1999 equaled \$0 and no amortization period was required.

Chapter 69 of the Laws of 2002 established the UAAL as of June 30, 2003 for an Early Retirement Incentive (Part A only). This UAAL is being amortized on a level basis over a period of five years beginning Fiscal Year 2004.

*Note: Because the UAAL is small, the financial results using the Frozen Liability Actuarial Cost Method differ minimally from those that would be produced using the Aggregate Actuarial Cost Method.*

9. One-Year Lag Methodology uses a June 30, 2006 (Lag) valuation date to determine Fiscal Year 2008 Employer Contributions.

This methodology requires technical adjustments to certain components used to determine Fiscal Year 2008 Employer Contributions as follows:

- Present Value of Future Salary (PVFS)

The PVFS at June 30, 2006 is reduced by the value of salary projected to be paid during Fiscal Year 2007.

- Salary for Determining Employer Contributions

Salary used to determine the employer Normal Cost is the salary projected to be paid during Fiscal Year 2008 to members on payroll at June 30, 2006.

- Present Value of Future Normal Costs (PVFNC)

The PVFNC at June 30, 2006 is reduced by the discounted value of the Fiscal Year 2007 Employer Contribution (after offsetting for any UAAL payments).

10. Beginning with the June 30, 2004 (Lag) actuarial valuation, the Actuarial Asset Valuation Method (AAVM) was changed to a method that reset the AAV to Market Value (*i.e.*, Market Value Restart) as of June 30, 1999. As of each June 30 thereafter the AAVM recognizes investment returns greater or less than expected over a period of six years.

Under this revised AAVM, any Unexpected Investment Returns (UIR) for Fiscal Years 2000 and later are phased into the AAV beginning the following June 30 at a rate of 15%, 15%, 15%, 15%, 20% and 20% per year (or cumulative rates of 15%, 30%, 45%, 60%, 80% and 100% over a period of six years).

These revised averaging factors were applied against the UIR computed under the prior five-year AAVM used for Fiscal Years 2000 to 2004.

The revised AAVM was utilized for the first time in the June 30, 2004 (Lag) actuarial valuation to determine the Fiscal Year 2006 Employer Contribution in conjunction with the One-Year Lag Methodology and the revised economic and noneconomic assumptions.

The AAVM in effect for the June 30, 2006 (Lag) actuarial valuation is unchanged from the AAVM used in the June 30, 2005 (Lag) actuarial valuation.

11. Chapter 125/00 provided eligible retirees and eligible beneficiaries with increased Supplementation as of September 2000 and with automatic Cost-of-Living Adjustments (COLA) beginning September 2001.



Chapter 125/00 also provided for a five-year phase-in schedule for funding the additional actuarial liabilities created by the benefits provided by this law. Chapter 278/02 required the Actuary to revise the methodology and timing for determining the Statutory Contributions on account of the additional actuarial liabilities attributable to the benefits provided under Chapter 125/00 by extending the phase-in period for funding these liabilities from five years to ten years.

Chapter 152/06 eliminated the use of the ten-year phase-in of Chapter 278/02 for funding the additional actuarial liabilities created by Chapter 125/00.

**TABLE 1**  
**DEATHS AMONG SERVICE AND DISABILITY PENSIONERS**

*Percentage of Pensioners Dying within Next Year*

Service Pensioners			Disability Pensioners		
Age	Males	Females	Age	Males	Females
40	.1151%	.0645%	40	1.5101%	2.9247%
45	.1891	.0984	45	1.6709	2.9247
50	.2631	.1543	50	1.8462	2.5618
55	.4126	.2339	55	2.0266	1.8705
60	.6163	.3832	60	2.2326	1.4957
65	1.0493	.6265	65	2.5427	1.4771
70	1.8461	1.0802	70	3.1342	1.9287
75	2.8830	1.7974	75	4.2347	3.0066
80	4.6919	3.0798	80	6.0619	4.8143
85	7.9915	5.8229	85	8.9692	7.3812
90	12.9028	10.3790	90	12.9554	11.4430
95	19.7210	17.5405	95	19.7210	17.5405
100	30.1977	28.6331	100	30.1977	28.6331
105	49.9036	47.3178	105	49.9036	47.3178
110	100.0000	100.0000	110	100.0000	100.0000

**TABLE 2**  
**WITHDRAWALS FROM ACTIVE SERVICE (DUE TO DEATH OR DISABILITY)**

*Percentage of Active Members Separating within Next Year*

Accidental Disability			Ordinary Disability			Death		
Age	Males	Females	Age	Males	Females	Age	Males	Females
20	.00%	.00%	20	.02%	.01%	20	.040%	.020%
25	.00	.00	25	.02	.01	25	.040	.020
30	.01	.00	30	.02	.01	30	.040	.020
35	.01	.01	35	.03	.02	35	.050	.025
40	.01	.01	40	.04	.06	40	.060	.030
45	.02	.01	45	.05	.09	45	.110	.055
50	.03	.02	50	.07	.10	50	.160	.080
55	.04	.02	55	.12	.13	55	.210	.105
60	.05	.03	60	.17	.15	60	.260	.130
65	.06	.04	65	.24	.17	65	.320	.160
70	NA	NA	70	NA	NA	70	NA	NA

**TABLE 3**  
**WITHDRAWALS FROM ACTIVE SERVICE**  
*Percentage of Active Members Withdrawing within Next Year*

Years of Service	Probability of Withdrawal
0	7.50%
5	4.00
10	2.00
15	1.25
20	1.00

**TABLE 4**  
**WITHDRAWALS FROM ACTIVE SERVICE**  
**(AFTER ELIGIBILITY FOR SERVICE RETIREMENT)**  
*Percentage of Eligible Active Members Retiring within Next Year*

Males					Females				
Age	With Reduced Benefits	With Unreduced Benefits Years of Service Since First Elig.			Age	With Reduced Benefits	With Unreduced Benefits Years of Service Since First Elig.		
		0-1	1-2	2+			0-1	1-2	2+
		50	0.00%	0.00%			0.00%	0.00%	50
55	2.00	12.00	0.00	0.00	55	2.00	10.00	0.00	0.00
60	5.00	12.00	10.00	10.00	60	5.00	10.00	8.00	8.00
65	0.00	30.00	30.00	30.00	65	0.00	30.00	30.00	30.00
70	NA	100.00	100.00	100.00	70	NA	100.00	100.00	100.00

**TABLE 5  
SALARY SCALE**

<b>Years of Service</b>	<b>Assumed Annual Percentage Increases Within Next Year*</b>
0	11.00%
5	6.00
10	5.00
15	5.00
20	5.00
25	5.00
30	5.00
35	5.00
40	5.00

\* Salary Scale includes a General Wage Increase assumption of 3.0% per annum.

**ACTIVE MEMBER VALUATION DATA**

<b>As of June 30</b>	<b>Number</b>	<b>Annual Payroll</b>	<b>Annual Average Salary</b>	<b>Percentage Increase (Decrease) in Average Salary</b>
1999	86,682	\$4,217,560,016	\$48,656	5.4%
2000	91,494	4,721,526,309	51,605	6.1
2001	95,381	5,015,449,141	52,583	1.9
2002	95,678	5,469,239,283	57,163	8.7
2003	97,986	5,828,756,503	59,486	4.1
2004	105,391	6,219,808,501	59,017	(0.8)
2004 (Lag)	105,391	6,175,939,608 <sup>(1)</sup>	58,600	(1.5) <sup>(2)</sup>
2005 (Lag)	104,850	6,273,909,925	59,837	2.1
2006 (Lag)	109,992	6,978,725,642	63,448	6.0
2007 (Lag) <sup>(3)</sup>	109,868	7,222,471,073	65,738	3.6

(1) The annualized covered payroll under the One-Year Lag Methodology used for the Fiscal Year 2006 Employer Contributions differs from that as of June 30, 2004 to compute Fiscal Year 2005 Employer Contributions due to changes in actuarial assumptions and more recent information on labor contract settlements.

(2) Decrease from June 30, 2003.

(3) Preliminary

## RETIRANTS AND BENEFICIARIES ADDED TO AND REMOVED FROM ROLLS

Fiscal Year Ended June 30	Added to Rolls		Removed from Rolls		Rolls End of Year		% Increase in Annual Allowances	Average Annual Allowances
	Number	Annual Allowances*	Number	Annual Allowances*	Number	Annual Allowances*		
1999	1,794	\$147,046,596	1,537	\$ 36,719,223	50,525	\$1,604,299,434	7.4%	\$31,753
2000	1,989	97,255,275	1,545	41,436,595	50,969	1,660,118,114	3.5	32,571
2001	2,723	171,487,630	1,712	83,599,498	51,980	1,748,006,246	5.3	33,628
2002	4,309	194,808,813	1,727	120,082,520	54,562	1,822,732,539	4.3	33,407
2003	5,014	258,523,666	1,443	50,572,541	58,133	2,030,683,664	11.4	34,932
2004**	6,264	415,127,840	1,669	53,234,112	62,728	2,392,577,392	17.8	38,142
2005 (Lag)	4,423	255,085,446	1,983	59,626,485	65,168	2,588,036,353	8.2	39,713
2006 (Lag)	4,207	231,094,649	1,799	55,372,752	67,576	2,763,758,250	6.8	40,899

\* Allowances shown in table are those that are actually being paid and are not adjusted for anticipated changes due to finalization of benefit calculation or contract settlements.

\*\*Same amounts apply for June 30, 2004 (Lag) actuarial valuation.

## COMPARATIVE SUMMARY OF ACTUARIAL VALUES AND PERCENTAGES COVERED BY ACTUARIAL VALUE OF ASSETS SOLVENCY TEST

(In Thousands)

### AGGREGATE ACCRUED LIABILITIES FOR

As of June 30	Accumulated Member Contributions (A)	Current Retirees and Beneficiaries (B)	Active Members' Employer-Financed Portion (C)	Actuarial Value of Assets (D)	Percentage of Actuarial Values Covered by Actuarial Value of Assets	
					(A)	(B)
1999	\$3,111,019	\$15,748,859	\$12,447,411*	\$34,626,062	100%	100%
2000	3,354,746	17,446,520	14,340,434*	36,142,435	100	100
2001	3,077,510	17,254,058	14,114,923*	35,410,230	100	100
2002	2,931,464	18,189,124	13,623,528*	34,177,750	100	96
2003	2,752,562	20,489,777	12,561,516	33,169,210	100	79
2004	2,628,369	24,460,479	11,465,947	32,817,102	100	50
2004 (Lag)	2,628,369	24,636,479	11,682,625	33,149,251	100	50
2005 (Lag)	2,624,824	26,590,313	11,418,808	32,865,126*	100	32
2006 (Lag)	2,724,814	27,934,371	11,960,437	32,405,645	100	15

\* Revised

Also see following "SOLVENCY TEST—NOTES."

## COMPARATIVE SUMMARY OF ACTUARIAL VALUES AND PERCENTAGES COVERED BY ACTUARIAL VALUE OF ASSETS

### Solvency Test—Notes

The ultimate test of financial soundness in a retirement system is its ability to pay all of its promised benefits when due. The retirement system's progress in accumulating assets to pay all promised benefits can be measured by comparing the Actuarial Value of Assets of the retirement system with the Aggregate Accrued Liabilities for:

- (A) Accumulated Member Contributions;
- (B) Current Retirants and Beneficiaries; and
- (C) Active Members' Employer Financed Portion.

The Aggregate Accrued Liabilities are the APV of projected benefits produced by the projected benefit attribution approach prorated on service. The Aggregate Accrued Liabilities were calculated in accordance with Governmental Accounting Standards Board Statement No. 5 (GASB 5).

This comparative summary allocated assets as if they were priority groups, somewhat similar to (but not identical to) the priority categories of Section 4044 of the Employee Retirement Income Security Act of 1974 (ERISA).

The values in the table are dependent upon census data, benefit levels (which have changed on occasion over the past years), and the actuarial assumptions and methods employed at each valuation date. The most recent change in assumptions and methods occurred in the June 30, 2004 (Lag) valuation used to compute the employer contribution for Fiscal Year 2006. These underlying bases can be found within the Comprehensive Annual Financial Report for each respective year.

To fully evaluate trends in financial soundness, changes in assumptions need to be evaluated. For the valuation dates appearing in the Table, the Actuarial Interest Rate and the General Wage Increase assumptions were all equal to 8.00% per annum and 3.00% per annum, respectively.

## ADDITIONAL DISCUSSION OF PLAN FUNDING AND OTHER MEASURES OF FUNDED STATUS

### Ongoing Funding of the Plan

Under the basic equation of pension funding, Contributions plus Investment Earnings pay for Benefits plus Expenses.

There are three major sources for financing those Benefits and Expenses paid from the Plan.

First, Member Contributions are established by statute and paid as percentages of member salaries.

Second, Investment Earnings reflect the rates of return achieved on the amounts of assets held in different asset classes in the Trust.

Third, Employer Contributions are determined by actuarial methodology to finance the Benefits payable by the Plan that are not provided by either Member Contributions or Investment Earnings and for the Administrative and Investment Expenses of the Plan.

This actuarial methodology includes demographic and certain tabular assumptions recommended by the Actuary and adopted by the Retirement Board, and certain economic assumptions and financing methods recommended by the Actuary, supported by the Retirement Board and, where required, enacted into law by the New York State Legislature and Governor.

Employer Contributions are particularly responsive to Investment Earnings and increase (decrease) on a smoothed basis whenever Investment Earnings are less (more) than expected.

For example, during Fiscal Years 2001 to 2003, the Assets of the Plan decreased because they earned less than expected. Consequently, over the following several years, the actuarial methodology responds by increasing Employer Contributions in order to bring the overall financial status of the Plan back into balance.

Due to Investment Earnings between Fiscal Years 2001 and 2003 being substantially lower than anticipated, the increases in Employer Contributions to the Plan over the subsequent few Fiscal Years were significantly higher.

The New York City Charter requires an independent actuary to conduct an experience review of the Plan every two years. The Actuary utilizes this information and regularly proposes changes in actuarial assumptions and methods, most recently during Fiscal Year 2006.

These most recent changes, approved by the Retirement Board and implemented during Fiscal Year 2006, include (1) updated demographic assumptions, (2) full recognition of all Obligations of the Plan (*i.e.*, removing the statutory phase-in of certain liabilities) and (3) revised methodologies for smoothing changes in Employer Contributions due to Plan experience. Together, these changes further enhance the long-term financial integrity of the Plan.

The ongoing process of actuarial rebalancing and periodic reviews of actuarial assumptions and methods by the Actuary and the Retirement Board, coupled with a financially responsible, long-duration employer like the City of New York (the City) and other participating Employers that can afford some variability of Employer Contributions, help provide financial security for the Plan and its participants and reasonable intergenerational budget equity for taxpayers.

With the City and other participating Employers that have always paid and are expected to continue to pay the statutorily-required Employer Contributions as calculated by the Actuary and approved by the Retirement Board, changes in Employer Contributions represent the source for rebalancing the basic equation of pension funding.

## Other Measures of Funded Status

Measures of Funded Status of the Plan are determined at specific points in time and are usually expressed in various relationships of Assets to Obligations. Assets as percentages of Obligations are referred to as Funded Ratios.

Comparisons of Funded Ratios over time can provide insight into the long-term financial trend of the Plan. The Other Measures of Funded Status presented herein provide somewhat different insights into the financial condition of the Plan and comparisons amongst these Other Measures of Funded Status can provide even more.

As noted, there are multiple, possible definitions of the Plan's Assets and Obligations. Some of these definitions of and comments on Assets and Obligations are set forth immediately hereafter. Additional observations about the meanings and usefulness of and the relationships amongst certain of the Funded Ratios are provided following the table of Funded Ratios.

## Definition of and Comments on Assets

With respect to Assets, both Market Value of Assets (MVA) and the Actuarial Value of Assets (or Actuarial Asset Value (AAV)) are used to determine Funded Ratios.

In the case of the Plan, the AAVM currently in use provides for smoothing of the MVA by phasing any Unexpected Investment Returns (*i.e.*, Investment Earnings greater or less than those expected under the actuarial assumption of 8.0% of AAV each year) into the AAV over a period of six years.

The advantage of using MVA is that it represents the tradable value of the Assets of the Plan at any point in time.

The advantage of using AAV is that it is smoothed to remove the volatility of MVA. The disadvantage of AAV is that it is not the tradable value of Assets in the marketplace and, therefore, does not show the volatility of the Assets.

## Definition of and Comments on Obligations

With respect to Obligations, the Actuarial Accrued Liability (AAL) under any particular Actuarial Cost Method (ACM) is that portion of the APV of projected benefits which is not provided by normal costs (employer and employee).

With respect to the Plan, where the ACM is the Frozen Initial Liability (FIL) ACM, the AAL mathematically can be recast as the Unfunded AAL (UAAL) plus the AAV. To the extent that the UAAL does not change much year to year, then the related AAL remains relatively consistent in value with the AAV each year.

With respect to the ongoing funding of the Plan, the use of the FIL ACM provides for amortizing actuarial gains and losses over the future working lifetimes of active employees. As used by the Plan, the FIL ACM generally results in funding that is more conservative (*i.e.*, greater Employer Contributions) than that of most other Public Pension Plans.

The Entry Age Accrued Liability (EAAL) is defined as the APV of projected benefits less the sum of the APV of future employee contributions and the APV of future employer entry age normal costs.

The EAAL is a required disclosure in accordance with Governmental Accounting Standards Board (GASB) Statement Number 43 (GASB 43) and GASB Statement Number 45 (GASB 45) for Other Post-Employment Benefits (OPEB) under certain ACM.

In accordance with GASB Statement Number 50 (GASB 50), beginning with Fiscal Year 2008, the EAAL is a required disclosure for Public Pension Plans that determine employer contributions using the Aggregate ACM.

The Entry Age ACM is the most-commonly utilized ACM for funding Public Pension Plans.

The Projected Benefit Obligation (PBO) is defined as the proportion of APV of all benefits attributed by the Plan's benefit formula to employee service rendered prior to the valuation date. The PBO was required reporting under GASB Statement Number 5 (GASB 5) prior to its replacement by GASB 25 and GASB 27.

The Accumulated Benefit Obligation (ABO) is determined in the same manner as the PBO but without assuming future salary increases.

The Market Value Accumulated Benefit Obligation (MVABO) is determined in the same manner as an ABO using the same actuarial assumptions except that projected benefit payments are discounted using annual yields on U.S. Treasury securities of like duration. The MVABO is sometimes described as a Mark-to-Market measure of Obligations or a Market Value of Liabilities (MVL).

## Table of Asset and Obligation Values

The following table presents the values of Assets and Obligations used to calculate alternative Funded Ratios.

COMPONENT MEASURES OF FUNDED STATUS									
<i>(In Millions)</i>									
Valuation Date	Market Value of Assets (MVA)	Actuarial Asset Value (AAV)*	Actuarial Accrued Liability (AAL)*	Entry Age Accrued Liability (EAAL)**	Projected Benefit Obligation (PBO)**	Accumulated Benefit Obligation (ABO)**	Market Value Accumulated Benefit Obligation (MVABO)***	MVABO Equiv. Discount Yield (Per Annum)	MVABO Weighted Average Duration (Years)
6/30/99	\$34,626.1	\$34,626.1	\$34,626.1	\$32,542.5	\$31,307.3	\$27,929.8	\$31,828.0	6.0%	11.5
6/30/00	36,751.2	36,142.4	36,147.6	36,743.6	35,141.7	31,150.1	35,581.1	6.0	11.8
6/30/01	31,593.0	35,410.2	35,414.5	36,140.1	34,446.5	30,721.5	36,393.4	5.7	11.6
6/30/02	27,025.9	34,177.8	34,181.1	36,531.2	34,744.1	30,677.2	36,575.1	5.8	10.9
6/30/03	26,078.0	33,169.2	33,182.7	37,622.9	35,776.9	31,945.0	42,682.0	4.6	11.8
6/30/04	28,975.4	32,817.1	32,827.5	40,486.9	38,554.8	35,175.5	43,053.6	5.5	11.1
6/30/04 (Lag)	28,975.4	33,149.3	33,159.7	40,872.0	38,947.5	35,277.6	43,223.1	5.5	11.2
6/30/05 (Lag)	30,492.2	32,865.1	32,872.3	42,644.4	40,633.9	37,033.8	51,957.2	4.2	13.0
6/30/06 (Lag)	32,206.7	32,405.5	32,410.5	45,138.9	42,619.6	38,580.8	47,892.4	5.4	11.9
6/30/07 (Lag)**	37,142.8	33,854.2	33,856.7	47,958.3	45,566.8	41,494.7	49,515.9	5.4	11.9

#The AAV used for the June 30, 1999 to June 30, 2004 actuarial valuations assumes the AAV was reset to MVA as of June 30, 1999. As of each June 30 thereafter, the AAV recognizes Investment Returns greater or less than expected over a period of five years (six years beginning with the June 30, 2004 (Lag) actuarial valuation).

\* Calculated in accordance with the Actuarial Cost Method (i.e., Frozen Initial Liability) and actuarial assumptions used for determining Employer Contributions.

\*\* Calculated based on actuarial assumptions used for determining Employer Contributions.

\*\*\* Calculated based on actuarial assumptions used for determining Employer Contributions except that projected benefit payments are discounted using annual yields derived from U.S. Treasury Spot Rates as published by the U.S. Department of the Treasury Office of Thrift Supervision in its Selected Asset and Liability Price Tables. Also shown are the related MVABO Equivalent Discount Yield and the MVABO Weighted Average Duration.

## The June 30, 2007 (Lag) figures are preliminary and are generally based on the same census data, actuarial assumptions and methods used to develop published, preliminary Fiscal Year 2009 employer contributions.



## Table of Funded Ratios

The following table presents alternative Funded Ratios comparing Assets to Obligations, including: (1) AAV divided by AAL, (2) AAV divided by EAAL, (3) MVA divided by EAAL, (4) AAV divided by PBO, (5) MVA divided by PBO, (6) AAV divided by ABO, (7) MVA divided by ABO and (8) MVA divided by MVABO.

FUNDED RATIOS									
Valuation Date	AAV/AAL	AAV/EAAL	MVA/EAAL	AAV/PBO	MVA/PBO	AAV/ABO	MVA/ABO	MVA/MVABO	
6/30/99	100%	106%	106%	111%	111%	124%	124%	109%	
6/30/00	100	98	100	103	105	116	118	103	
6/30/01	100	98	87	103	92	115	103	87	
6/30/02	100	94	74	98	78	111	88	74	
6/30/03	100	88	69	93	73	104	82	61	
6/30/04	100	81	72	85	75	93	82	67	
6/30/04 (Lag)	100	81	71	85	74	94	82	67	
6/30/05 (Lag)	100	77	72	81	75	89	82	59	
6/30/06 (Lag)	100	72	71	76	76	84	83	67	
6/30/07 (Lag)#	100	71	77	74	82	82	90	75	

# Preliminary

## Comments on Funded Ratios and Funding Methodology

With respect to the different Funded Ratios shown in the preceding table, the ratio of AAV/AAL is from the Schedule of Funding Progress (Schedule 1) presented in the Financial Section of this CAFR.

Due to the mathematics of the FIL ACM where AAL equals AAV plus UAAL, the AAV/AAL Funded Ratios tend to remain relatively constant from year to year and provide limited insight into the ongoing financial performance of the Plan.

The Other Measures of Funded Status shown in the preceding table provide different relationships between the Assets and Obligations of the Plan and are designed to offer additional insight into the Funded Status of the Plan that the Actuary believes useful to some users.

The ratios of AAV/EAAL reflect information that is now a required disclosure for certain Public Pension Plans that utilize the Aggregate ACM. This requirement also exists for certain OPEB plans under GASB 43 and GASB 45.

The ratios of AAV/PBO present information that was previously required under GASB 5 and is a comparable but somewhat different representation of the information shown in the Solvency Test presented earlier in this Section of the CAFR.

The ratios of MVA/MVABO provide information on Funded Status that is (1) independent of the asset allocation of the Plan, (2) exclusive of any advance recognition of expected asset risk premia (*e.g.*, equity risk premium) and (3) absent any smoothing of asset values.

Inherent in its design, the MVA/MVABO Funded Ratio is expected to be volatile due to the impact of asset gains and losses without smoothing and the impact of changes in interest rates in the economy. Such volatility is a reflection of markets and can provide useful disclosure information. However, such volatility is not consistent with the needs of budgeting. Those budgeting needs are met by the actuarial assumptions and FIL ACM currently in use to determine Employer Contributions.

Comparing the MVA/EAAL to AAV/EAAL, MVA/PBO to AAV/PBO or MVA/ABO to AAV/ABO provides an opportunity to evaluate the degree of smoothing provided by the Actuarial Asset Valuation Method.

Comparing Funded Ratios based on the same Assets (*i.e.*, MVA or AAV) but different definitions of Obligations (*e.g.*, EAAL versus PBO versus ABO) provides an opportunity to evaluate the differences in those different definitions of Obligations.

Comparing AAV/PBO with AAV/ABO provides insight into the impact of expected salary growth on the value of benefits earned to date.

Comparing MVA/ABO with MVA/MVABO provides an opportunity to compare the impact of alternative interest rates on discounting the ABO.

It should also be noted that Measures of Funded Status are best examined with more consideration of their trends over time than their values at any given point in time.

Finally, over time, it should be noted that as the City and other participating Employers pay into the Plan the actuarially-determined Employer Contributions, all Funded Ratios can be expected to increase from their current levels.

### STATUTORY VS. ANNUAL REQUIRED CONTRIBUTIONS

Fiscal Year Ended June 30	Statutory Contribution*	Annual Required Contribution	Employer Rate of Contribution**
2000	\$181,769,965	\$181,769,965	4.310%
2001	444,965,372	571,955,543	9.424
2002	509,931,588	607,762,939	10.167
2003	639,617,910	805,782,222	11.695
2004	920,264,167	1,015,331,185	15.788
2005	1,228,275,356	1,304,032,623	19.748
2006	1,316,610,517	1,316,610,517	21.293
2007	1,600,904,278	1,600,904,278	25.471
2008	1,916,519,629	1,916,519,629	27.386

\* Represents total employer contributions accrued for fiscal year.

The Statutory Contributions for Fiscal Years 2001 and 2002 were computed in accordance with Chapter 125/00 which provided for a five-year phase-in of the additional actuarial liabilities attributable to Chapter 125/00.

The Statutory Contributions for Fiscal Years 2003 through 2005 were computed in accordance with Chapter 278/02 which extended from five to ten years the phase-in period for the funding of the additional actuarial liabilities attributable to Chapter 125/00.

Beginning Fiscal Year 2006, the Statutory Contributions were computed using a One-Year Lag Actuarial Valuation Methodology in accordance with Chapter 152/06 which also eliminated the use of ten-year phase-in of Chapter 278/02 for funding the additional actuarial liabilities attributed to Chapter 125/00.

\*\* The employer rates of contribution equal the Statutory Contributions as percentages of the salaries of members who were on payroll or projected to be on payroll (under One-Year Lag Methodology) as of the preceding June 30<sup>a</sup> adjusted, where applicable, to be consistent with collective bargaining agreements estimated to be achieved.







Teachers' Retirement System of the City of New York

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