



**HPOPS**  
FOR TODAY & TOMORROW

Comprehensive Annual

Financial Report

A Component Unit of

The City of Houston, Texas

July 1, 2001 through

June 30, 2002

**HOUSTON POLICE OFFICERS' PENSION SYSTEM**

*602 Sawyer, Suite 300*

*Houston, TX 77007*

*713.869.8734*

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*www.hpops.org*

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SECTION ONE

**INTRODUCTORY SECTION**



# HPOPS

FOR TODAY & TOMORROW

January 24, 2003

The Membership  
Houston Police Officers' Pension System  
Houston, Texas

The Comprehensive Annual Financial Report (CAFR) of the Houston Police Officers' Pension System (the System) for the fiscal year ended June 30, 2002 is submitted herewith. Responsibility for both the accuracy of the data, and the completeness and fairness of the presentation, rests with the management of the System. This CAFR is divided into five sections:

- **Introductory Section** – This section contains the administrative organization, the letter of transmittal and Chairman's report.
- **Financial Section** – This section contains the report of the Independent Auditor, the financial statements of the System and certain required supplementary information.
- **Investment Section** – This section contains a report on investment activity, investment policies, investment results, and various investment schedules.
- **Actuarial Section** – This section contains the Actuary's Certification Letter and the results of the annual actuarial valuation.
- **Statistical Section** – This section includes significant data pertaining to the System.

We trust that you will find this CAFR helpful in understanding your retirement system, a system that strives to provide responsible stewardship of assets contributed by the members and the City of Houston.

The System was established in 1947, funded by a \$100,000 Treasury note, and offered retiring members a pension of \$75 per month. Today, the System has investments of \$1.9 billion and offers a variety of pension benefits to members and their beneficiaries. Members may opt to defer their benefits, take a proportionate retirement benefit, or retire under a regular service retirement. Members also may access a disability retirement, both duty and non-duty connected.

## Major Initiatives

The System has been implementing new benefits made available to our members at the end of our previous fiscal year. Notable enhancements include an increase in the benefit multiplier from 2.5% to 2.75% per year of service, a change in the definition of pensionable pay, creation of a new Back DROP option and a provision to recalculate retirement benefits based upon pensionable pay as of the member's retirement date, rather than as of the DROP entrance date.

The System ascribes to the "Life Cycle" planning concept in order to better meet the varying information and service needs of our members as they pass through various stages of their careers. This year our members have been able to reap the fruits of substantial planning and effort from the previous year. We continue to improve our web site, [www.hpops.org](http://www.hpops.org), to increase the amount of information available to our members and the timeliness of that information. More than 1,200 members have registered this year, enabling them to review their personal information, such as career contributions and DROP balances, over the Internet in a secure environment. Members have visited the Web site to access forms, publications, and a host of other services. We have provided an educational series available to all members, with sessions discussing estate planning, using the Internet and investing, just to name a few. Our financial

### PENSION BOARD

*J. Larry Doss*  
CHAIRMAN

*Ralph D. Marsh*  
VICE CHAIRMAN

*James E. Montero*  
SECRETARY

*Terry A. Bratton*  
TRUSTEE

*Joe Glezman*  
TRUSTEE

*Albertino "Al" Mays*  
TRUSTEE

*Nijad Fares*  
MAYOR'S  
REPRESENTATIVE

### EXECUTIVE DIRECTOR

*John E. Lawson*

### HOUSTON POLICE OFFICERS' PENSION SYSTEM

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Houston, TX 77007  
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**TRANSMITTAL LETTER**

planner has met personally with almost 300 members to assist them in planning for their retirement.

**Additions to Plan Net Assets**

The System relies on the contributions of members and the City of Houston, as well as income generated from investments, to provide funds needed to finance retirement and disability benefits. Total contributions and investment income for the fiscal year 2002 decreased by \$103 million from 2001 as detailed below:

	<u>\$000's</u>		Increase (Decrease) Amount	Increase (Decrease) Percentage
	2002	2001		
Member contributions	\$ 22,484	\$ 22,043	\$ 441	2%
Employer contributions	32,645	30,645	2,000	7%
Net investment loss	(185,372)	(80,032)	(105,340)	132%
Total	<u>\$ (130,243)</u>	<u>\$ (27,344)</u>	<u>\$ (102,899)</u>	<u>376%</u>

**Deductions to Plan Net Assets**

The reason for the creation of the System was to provide retirement benefits to retired Houston Police Officers and their dependents. Although this is still the primary purpose of the System, over the course of 50+ years the System has added survivor benefits as well as disability benefits for its members and their beneficiaries. The cost of these programs includes benefit payments and refunds of contributions to terminated employees. The cost of administering the System is also paid from System assets.

	<u>\$000's</u>		Increase (Decrease) Amount	Increase (Decrease) Percentage
	2002	2001		
Benefits paid to members	\$ 59,783	\$ 60,328	\$ (545)	-1%
Refunds to members	1,194	884	310	35%
Administrative expenses	3,311	2,854	457	16%
Total	<u>\$ 64,288</u>	<u>\$ 64,066</u>	<u>\$ 222</u>	<u>0%</u>

Benefits paid to members increased during the year, while lump sums payments decreased by approximately the same amount, causing the total benefits paid to members to appear relatively constant from year to year. Benefits amounts increased due to the implementation of changes to the benefit formula, whereas lump sums decreased because fewer members retired and took distributions.

### **Investments**

The System invests funds entrusted to it exclusively for the benefit of its members. It avows an investment rule commonly known as the “prudent man” rule, whereby from a procedural as well as substantive standpoint, it acts with the care, skill, prudence and diligence that a “prudent man” acting in a similar capacity would act under similar circumstances.

	2002		2001	
	(000's)	%	(000's)	%
Short-term investments	\$150,851	8%	\$48,527	6%
Fixed income	474,429	25%	616,842	23%
Equity securities	1,151,685	59%	1,298,157	65%
Alternative investments	158,639	8%	172,842	6%
Foreign currency contracts	710	0%	509	0%
Total at June 30	<u>\$1,936,314</u>	<u>100%</u>	<u>\$2,136,877</u>	<u>100%</u>

The Board of Trustees believes that the System’s assets should be managed in a way that reflects the uniqueness of the System, and that the System’s assets should be diversified over a spectrum of investment vehicles. The determination of the appropriate asset mix is based on capital market assumptions that incorporate historical returns, volatility and the correlation of various asset classes.

The events of the last two years have severely eroded the value of financial assets around the world. The recession, slow economic recovery, poor corporate profits, unemployment, fears of war and terrorism, and corporate corruption have greatly diminished investor confidence. Pension funds generally reported negative returns on their investments for the last two years. The System was no exception with negative returns for each of the last two fiscal years. However, the System’s investment return was well ahead of the benchmark return for the System. The Board firmly believes that by maintaining a disciplined investment approach and with reasonable diversification, the System will meet its long-term investment goals.

### **Funding**

It is the System’s intention to have enough money in reserve to provide members with promised benefits upon their retirement. As of July 1, 2002, the System has an unfunded actuarial accrued liability of \$256 million. An actuarial accrued liability is the liability for service already rendered by former and present employees. An actuarial accrued surplus is the surplus in excess of the System’s assets over the actuarial accrued liability. Any liability or surplus is amortized using a 30-year constant level percent of payroll method.

### **Professional Services**

The Board of Trustees appoints professional consultants to perform services that are considered essential for the operation of the System. The independent auditor’s report, issued by BDO Seidman, LLP, is included on page 9 of this report. The actuarial report, certified by Towers Perrin, is included on page 44.

### Acknowledgements

The compilation of this report reflects the combined effort of the System staff under the guidance of the Board of Trustees. Its goal is to provide complete and reliable information as a basis for management decisions and compliance with legal provisions as well as responsible stewardship of funds contributed by its members and the City of Houston.

We would like to take this opportunity to express our gratitude to the staff, System advisors, and to the many other people who have contributed to the successful operation of the System.

Sincerely,

*Board of Trustees*

Board of Trustees



# HPOPS

FOR TODAY & TOMORROW

January 24, 2003

To the Members  
Houston Police Officers' Pension System  
Houston, Texas

In a year that has been difficult for us all, we at the Houston Police Officers' Pension System (the System) have looked to our Mission Statement, which has kept us focused on what has made us a successful organization, "to responsibly manage the System in the best interests of the members and beneficiaries so that they may have peace of mind knowing their pension benefits are secure."

The Board and the System investment team continue to work diligently to manage System investments. As we examine the investment portfolio, where we feel it is appropriate or advantageous, we make changes, looking for ways to add positive returns in light of the associated risks. These have been trying times, however we feel the System is in a position to take part in the eventual rebound in the markets.

We at the System are moving towards the forefront of the pension administration arena. We are active in local and regional pension related organizations and these associations have allowed us to get valuable advice from the best in the field. Management from other pensions have also visited or conferred with the System to observe our practices, procedures and programs. We continue to offer our members the services of our on-staff financial planner. Classes on a variety of topics from personal investment basics to home buying have drawn an audience of System members of all ages. We continue to update our web site, giving you access to more dynamic and timely information, including DROP and PROP calculators.

There are currently many challenges facing us, as a pension system and as a nation. This last fiscal year has seen a deepening of the stock market decline, which began in March of 2000, and which was further exacerbated by the events of 9-11, as well as revelations such as of Enron and WorldCom. While we must all remember the past and learn from it, we at HPOPS are looking to the future and we believe that we are prepared to continue to meet the needs of our members in the coming years.

Sincerely,

J. Larry Doss  
Chairman

**PENSION BOARD**

*J. Larry Doss*  
CHAIRMAN

*Ralph D. Marsh*  
VICE CHAIRMAN

*James E. Montero*  
SECRETARY

*Terry A. Bratton*  
TRUSTEE

*Joe Glezman*  
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*Albertino "Al" Mays*  
TRUSTEE

*Nijad Fares*  
MAYOR'S  
REPRESENTATIVE

**EXECUTIVE DIRECTOR**

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PENSION SYSTEM**

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**BOARD OF TRUSTEES AND ADMINISTRATIVE STAFF**

**TRUSTEES ELECTED BY ACTIVE,  
INACTIVE AND RETIRED POLICE  
OFFICERS**

J. LARRY DOSS  
*Chairman*

RALPH D. MARSH  
*Vice-Chairman*

TERRY BRATTON  
*Trustee*

JAMES E. MONTERO  
*Secretary*

JOSEPH GLEZMAN  
*Trustee*

**TRUSTEES BY STATE STATUTE**

ALBERTINO MAYS  
*Treasurer*

NIJAD FARES  
*Mayor's Representative*

**POLICE PENSION OFFICE PERSONNEL**

JOHN E. LAWSON  
*Executive Director*

PATRICK S. FRANEY  
*Director of Administration*

JUDY G. BAKER  
*Benefits Manager*

TIM NG  
*Chief Investment Officer*

ROBERT ARTHUR  
*General Counsel*

ADA RIDDLE  
*Accounting Manager*

ERIC OLSON  
*IT Manager*

JOSEPH O'BYRNE  
*Investment Analyst*

RICHARD GABLE  
*Financial Planner*

STEPHEN SHALAGAN  
*Records Manager*

AMY BEBERNISS  
*Communications Director*

HAN AU  
*Investment Analyst*

TONI DEWILLIS  
*Administrative Assistant*

FRAN CALDWELL  
*Benefits Specialist*

AMELIA MILIAN  
*Benefits Assistant*

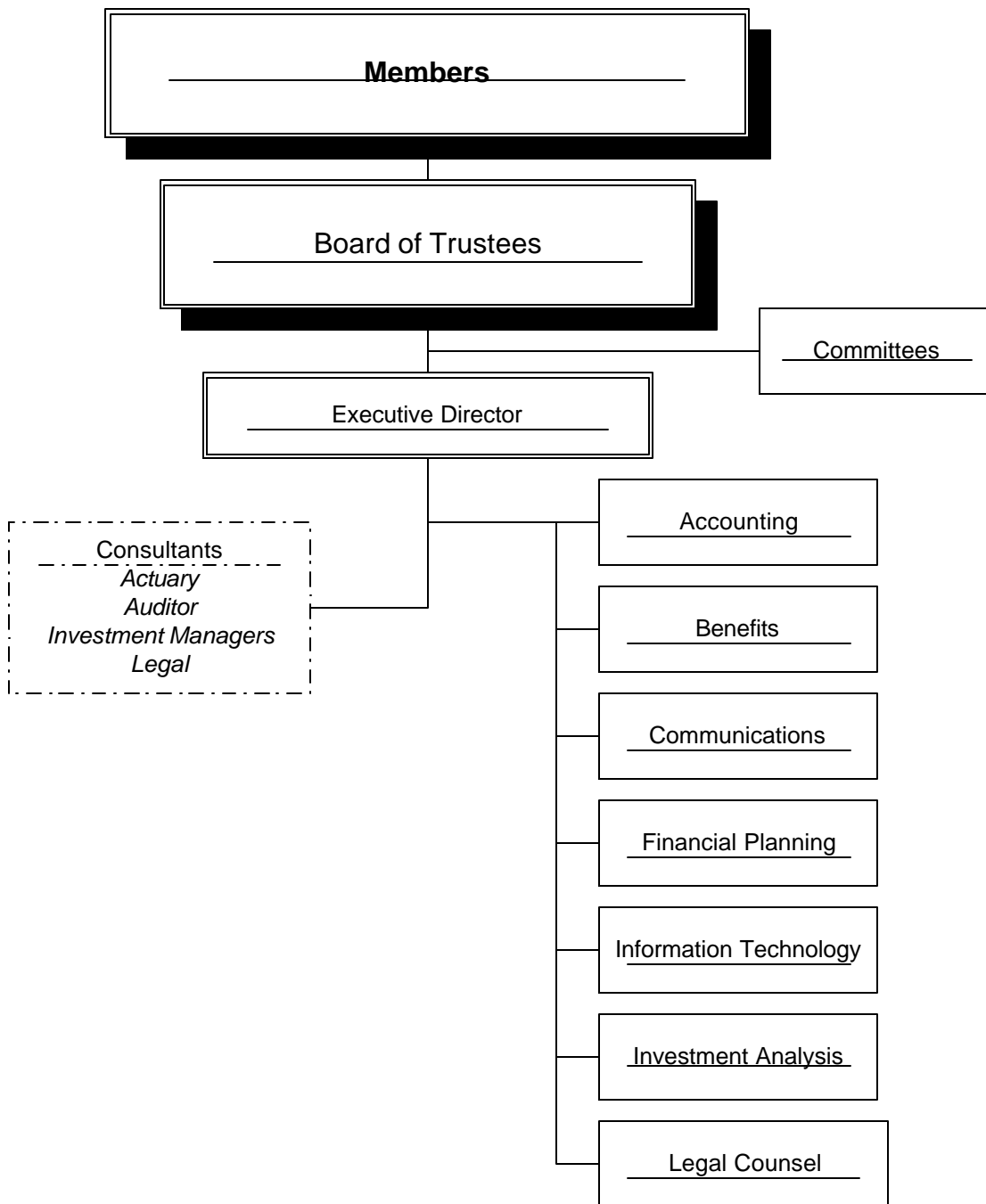
LOUISE LE  
*Benefits Assistant*

REGINA WARD  
*Benefits Assistant*

PENNIE VINCENT  
*Benefits Assistant*

ANGIE WILLIAMS  
*Receptionist*

**ORGANIZATION CHART**



# Certificate of Achievement for Excellence in Financial Reporting

Presented to

Police Officers Pension System  
of the City of Houston, Texas

For its Comprehensive Annual  
Financial Report  
for the Fiscal Year Ended  
June 30, 2001

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



*William Patrick Pate*  
President

*Jeffrey L. Esser*  
Executive Director

**SECTION TWO**  
**FINANCIAL SECTION**



BDO Seidman, LLP  
Accountants and Consultants

333 Clay Street, Suite 4700  
Houston, Texas 77002-4180  
Telephone: (713) 659-6551  
Fax: (713) 659-3238

## Independent Auditors' Report

The Board of Trustees  
Houston Police Officers' Pension System  
Houston, Texas

We have audited the accompanying statements of plan net assets of the Houston Police Officers' Pension System (the System) as of June 30, 2002 and 2001, and the related statements of changes in plan net assets for the years then ended. These financial statements are the responsibility of the System's management. Our responsibility is to express an opinion on these financial statements based on our audits.

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

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the System as of June 30, 2002 and 2001, and its changes in plan net assets for the years then ended in conformity with accounting principles generally accepted in the United States of America.

Our audits of the basic financial statements were performed for the purposes of forming an opinion on those financial statements taken as a whole. The supplemental information included in Schedules I through III on pages 30 through 33, is presented for purposes of additional analysis and is not a required part of the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and, in our opinion, is fairly stated in all material respects in relation to the basic financial statements taken as a whole.

"Management's Discussion and Analysis" and the "Required Supplementary Information" listed on the Table of Contents are not a required part of the basic financial statements but is supplementary information required by the Governmental Accounting Standards Board. We have applied certain limited procedures, which consisted principally of inquiries of management regarding the methods of measurement and presentation of the supplementary information. However, we did not audit this information and express no opinion on it.

*BDO Seidman, LLP*

September 3, 2002

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# Houston Police Officers' Pension System

## Management's Discussion and Analysis Fiscal Year Ended June 30, 2002

The discussion and analysis of the financial performance of the Houston Police Officers' Pension System (the System), provides an overall review of the System's financial activities for the fiscal year ended June 30, 2002. The intent of this discussion and analysis is to look at the System's financial performance as a whole; readers should review the financial statements, notes to the financial statements and required supplementary information, in order to enhance their understanding of the System's financial performance.

### Financial Statements

These financial statements consist of the Statements of Plan Net Assets, Statements of Changes in Plan Net Assets, Notes to Financial Statements and other required supplementary information. The System is a single employer defined benefit pension plan. The System is a component unit of the City of Houston, Texas (the City), and as such its reports are included in the Fiduciary Funds of the City as restricted assets.

### Financial Highlights

The System presents its financial statements solely on the accounts of the System. The accrual basis of accounting is used by the System, whereby revenues are recognized when they are earned and collection is reasonably assured, and expenses are recognized when the liability has been incurred. Investments are reported at fair value.

A summary of the Statements of Plan Net Assets for the System is as follows (\$000's):

<i>June 30,</i>	<b>2002</b>	2001
<b>Assets</b>		
Investment at fair value	\$ 1,936,314	\$ 2,136,877
Invested securities lending collateral	221,455	252,617
Receivables	37,832	17,150
Cash	65	38
<b>Total assets</b>	<b>2,195,666</b>	2,406,682
<b>Liabilities</b>		
Due to brokers	\$ 23,784	\$ 8,355
Securities lending collateral	221,455	252,617
Accrued professional fees	1,676	1,749
Other liabilities	503	1,182
<b>Total liabilities</b>	<b>247,418</b>	263,903
Plan net assets held in trust for pension benefits	\$ 1,948,248	\$ 2,142,779

*See accompanying independent auditors' report.*

# Houston Police Officers' Pension System

## Management's Discussion and Analysis Fiscal Year Ended June 30, 2002

The System's net assets decreased by approximately \$195 million in fiscal year 2002 over 2001 primarily due to the continued decline in both foreign and domestic equity markets. The System experienced its second consecutive year of negative investment returns with returns of negative 8.83% and negative 3.96% in 2002 and 2001 respectively. Changes in receivables are primarily a result of the timing of investment transactions.

A summary of the Statements of Changes in Plan Net Assets is as follows (\$000's):

<i>Years ended June 30:</i>	<b>2002</b>	2001
<b>Additions (deductions):</b>		
Contributions – City	\$ <b>32,645</b>	\$ 30,645
Contributions – Members	<b>22,484</b>	22,043
	<b>55,129</b>	52,688
Investment loss	<b>(186,227)</b>	(80,864)
Net income from securities lending activities	<b>855</b>	832
<b>Total deductions</b>	<b>(130,243)</b>	(27,344)
<b>Deductions:</b>		
Benefits paid to members	<b>59,783</b>	60,328
Refunds to members	<b>1,194</b>	884
Professional and administrative expenses	<b>3,311</b>	2,854
<b>Total deductions</b>	<b>64,288</b>	64,066
<b>Net decrease</b>	<b>(194,531)</b>	(91,410)
Plan net assets held in trust for pension benefits, beginning of year	<b>2,142,779</b>	2,234,189
<b>Plan net assets held in trust for pension benefits, end of year</b>	<b>\$ 1,948,248</b>	\$ 2,142,779

*See accompanying independent auditors' report.*



# Houston Police Officers' Pension System

## Management's Discussion and Analysis Fiscal Year Ended June 30, 2002

Total benefits paid remained relatively constant due to an increase in monthly benefits paid of approximately \$600 thousand per month, which has been offset by a decline in the amount of lump sum distributions, caused by a decline in the number of retirements, in the current year. The City, in a contract approved in fiscal year 2001, agreed to an annual increase in its contribution of \$2 million through fiscal year 2004. The contract also requires the City to make a contribution equal to 16% of pensionable pay for fiscal year 2005 and beginning in fiscal year 2006 and thereafter the City contribution will be actuarially determined. This contractual increase accounts for the increase in total contributions.

### **System Highlights**

In June of 2001 the System completed negotiations with the City, and as a result, the number of benefit options as well as the level of benefits available to members have increased. Notable enhancements include an increase in the benefit multiplier from 2.5% to 2.75% for each of the first 20 years of service, a change in the definition of pensionable pay, creation of a new Back DROP option and a provision to recalculate retirement benefits based upon current average total direct pay as of the date of retirement. The Notes to the Financial Statements disclose the benefits available to members and the unaudited Required Supplementary Information reflects the effects of these changes on the System.

### **Contacting the System's Management**

This financial report is designed to provide members and other users with a general overview of the System's finances and to show the System's accountability for the funding it receives. If you have questions about this report, you may contact the System's Executive Director at 602 Sawyer, Suite 300, Houston, TX 77007 or by phone at 713-869-8734.

*See accompanying independent auditors' report.*

# Houston Police Officers' Pension System

## Statements of Plan Net Assets (\$000's)

<i>June 30,</i>	2002	2001
<b>Assets</b>		
<b>Investments, at fair value</b> (Notes 1, 2 and 4):		
Short-term investments	\$ 150,851	\$ 48,527
Fixed income	474,429	616,842
Equity securities	1,151,685	1,298,157
Alternative investments	158,639	172,842
Foreign currency contracts	710	509
Total investments	1,936,314	2,136,877
<b>Invested securities lending collateral</b> (Note 2)	221,455	252,617
<b>Receivables:</b>		
Members	588	662
Investments	10,895	9,374
Due from brokers	26,252	6,748
Other receivables	97	366
Total receivables	37,832	17,150
<b>Cash</b>	65	38
Total assets	\$ 2,195,666	\$ 2,406,682

*See accompanying notes to financial statements.*

# Houston Police Officers' Pension System

## Statements of Plan Net Assets (\$000's)

<i>June 30,</i>	<b>2002</b>	<b>2001</b>
<b>Liabilities and Plan Net Assets</b>		
<b>Liabilities:</b>		
<b>Due to brokers</b>	\$ 23,784	\$ 8,355
<b>Securities lending collateral (Note 2)</b>	221,455	252,617
<b>Accrued investment and professional fees</b>	1,676	1,749
<b>Other liabilities</b>	503	1,182
<b>Total liabilities</b>	<b>247,418</b>	<b>263,903</b>
<b>Plan net assets held in trust for pension benefits</b> (see Schedule of Funding Progress)	\$ 1,948,248	\$ 2,142,779

*See accompanying notes to financial statements.*

# Houston Police Officers' Pension System

## Statements of Changes in Plan Net Assets (\$000's)

<i>Years ended June 30,</i>	2002	2001
<b>Additions (Deductions):</b>		
<b>Contributions</b> (Notes 1 and 3):		
City	\$ 32,645	\$ 30,645
Members	22,484	22,043
	<b>55,129</b>	<b>52,688</b>
<b>Investment income (loss):</b>		
Net depreciation in fair value of investments	(232,652)	(130,063)
Interest:		
Short-term investments	2,049	5,729
Fixed income	35,629	35,583
	<b>(194,974)</b>	<b>(88,751)</b>
Dividends	13,672	14,293
Alternative investments	2,361	1,107
Other	541	326
	<b>(178,400)</b>	<b>(73,025)</b>
Less – investment expense	(7,827)	(7,839)
<b>Net loss from investing activities</b>	<b>(186,227)</b>	<b>(80,864)</b>
<b>Securities lending activities</b> (Note 2):		
Securities lending income	1,308	1,283
Securities lending expense	(453)	(451)
<b>Net income from securities lending activities</b>	<b>855</b>	<b>832</b>
<b>Total deductions</b>	<b>(130,243)</b>	<b>(27,344)</b>

# Houston Police Officers' Pension System

## Statements of Changes in Plan Net Assets (\$000's)

<i>Years ended June 30,</i>	<b>2002</b>	<b>2001</b>
<b>Deductions:</b>		
Benefits paid to members	<b>59,783</b>	60,328
Refunds to members	<b>1,194</b>	884
Professional and administrative expenses	<b>3,311</b>	2,854
<b>Total deductions</b>	<b>64,288</b>	64,066
<b>Net decrease</b>	<b>(194,531)</b>	(91,410)
<b>Plan net assets held in trust for pension benefits, beginning of year</b>	<b>2,142,779</b>	2,234,189
<b>Plan net assets held in trust for pension benefits, end of year</b>	<b>\$ 1,948,248</b>	<b>\$ 2,142,779</b>

*See accompanying notes to financial statements.*

# Houston Police Officers' Pension System

## Notes to Financial Statements

### 1. Plan Description and Contribution Information

*General* - The Houston Police Officers' Pension System (the System) was created in 1947 by an act of the fiftieth Legislature of the State of Texas, and is governed by Article 6243g-4, Vernon's Texas Civil Statutes (the Governing Statutes). The System is a single employer defined benefit pension plan covering police officers employed full time by the City of Houston (the City) that provides for service, disability and death benefits for eligible members. The System is a local governmental plan and, therefore, is not subject to the Employee Retirement Income Security Act of 1974.

At June 30, 2002, the System's membership consisted of the following:

Description	Number
Retirees and beneficiaries:	
Currently receiving benefits	1,864
Not yet receiving benefits	5
Active members:	
Fully vested	1,466
Nonvested	3,895
<b>Total members</b>	<b>7,230</b>

*Pension Benefits* - Following are descriptions of benefits offered pursuant to the Governing Statute and various Agreements entered into with the City pursuant to Section 27 of the Governing Statutes.

*Eligibility* - Members become eligible to receive a service pension upon retirement with twenty years of service. Members also have the option to select a Delayed Retirement, which allows for vesting after ten years of service with a pension benefit payable at age 60.

*Benefits* - Retirement benefits are equal to 2.75 percent of the member's average total direct pay for each of the member's first twenty years of service plus two percent of average total direct pay for each year in excess of twenty years with no maximum percentage.

Retired members and surviving spouses are entitled to receive an additional \$150.00 per month in order to defray group medical insurance costs.

# Houston Police Officers' Pension System

## Notes to Financial Statements

*Deferred Retirement Option Plan* - The Deferred Retirement Option Plan (DROP) provides for an optional method of accruing pension benefits. Generally, members with twenty years of service are eligible to participate in the DROP and upon termination of employment participating members receive their pension benefit in the form of a reduced annuity and a lump sum benefit. The reduced annuity is the member's pension benefit at the time of enrollment in the DROP plus any subsequent cost of living adjustments. The lump sum benefit is the accumulated balance in the member's notional DROP account which is equal to an amount calculated as if the member's reduced annuity, employee contribution and an interest component had been deposited in a separate account in the member's name during the member's participation in DROP.

A Back-DROP benefit is also available for all eligible participants. The DROP notional account may be recalculated based on a different entrance date selected by the member. The Back-DROP entry date cannot be prior to the latter of October 21, 1995 or the date the member attained 20 years of credited pension service.

DROP and Back DROP participants who terminate service receive the greater of the DROP or Back DROP monthly benefit, as applicable, or a recalculated monthly benefit amount. The recalculated monthly benefit amount is derived by multiplying the member's service percentage as of their DROP or Back DROP entrance date (plus any ad hoc increases in the multiplier) times the average total direct pay as of the member's termination (retirement) date from the Houston Police Department ("HPD").

*Cost of Living Adjustments* – Pension benefits and the monthly DROP benefits are adjusted each year equal to two-thirds of the percentage increase in the Consumer Price Index for all Urban Consumers for the preceding year subject to minimum and maximum increases of 3.0 percent and 8.0 percent, respectively.

*Disability Benefits* - Duty connected disability benefits are equal to the greater of fifty-five percent of average total direct pay or the accrued service pension. Disabled members who qualify for a Catastrophic Disability, as defined, receive a disability benefit equal to 100 percent of average total direct pay.

Members determined to be eligible for a non duty-connected disability benefit are entitled to a benefit of either 27.5% of average total direct pay, if the member has ten or fewer credited years of service, or 2.75% per year for credited service in excess of ten but less than twenty years.

# Houston Police Officers' Pension System

## Notes to Financial Statements

*Death Benefits* - Death benefits are available to a surviving spouse, dependent children or a dependent parent in the event of the death of a member either after disability or service retirement, or prior to retirement.

*Refunds of Member Contributions* – A member with less than 20 years of credited pension service may elect to obtain a refund of member contributions upon termination of service with the HPD. This refund does not include interest. Members with at least ten but less than 20 years of credited pension service, who terminate service with the HPD, have the option of a Delayed retirement.

*Delayed Retirement* – A member with at least 10 but less than 20 years of credited pension service at termination of employment with the HPD has the option of either a refund of member contributions, without interest, or a Delayed retirement benefit. The Delayed benefit is payable at age 60 and is calculated at 2.75% of average total direct pay for each year of credited pension service.

*Supplemental Monthly Benefit* – In years in which certain investment performance and actuarial funding requirements are met the System issues a supplemental monthly benefit payment to retired members and a supplemental credit to DROP participant's accounts in an amount equal to their normal monthly benefit.

*Lump Sum Benefit* – Members retiring with a service or disability benefit receive a one-time \$5,000 lump sum benefit.

*Reciprocal Retirement Program* – Members who have less than twenty years of service with the System but who have at least twenty years of cumulative service with the City are eligible to participate in the System's Reciprocal Retirement Program. This program allows members with less than twenty years of credited pension service with the System to combine their service credit with other City retirement systems. If the member has a cumulative twenty years of pension credit then they are eligible to receive a proportionate retirement benefit from the System.

*Post Retirement Option Plan* - The Post Retirement Option Plan ("PROP") allows retired members to contribute all or a portion of their monthly retirement benefit and DROP lump sum to a notional account maintained by the System which accumulates interest and can be disbursed to the member under certain options as designated by the System.



# Houston Police Officers' Pension System

## Notes to Financial Statements

### 2. Summary of Significant Accounting Policies

*Basis of Presentation* –As defined by generally accepted accounting principles established by the Governmental Accounting Standards Board (GASB) the accompanying financial statements include solely the accounts of the System, which include all programs, activities and functions relating to the accumulation and investment of the assets and related income necessary to provide the service, disability and death benefits required under the terms of the Governing Statutes and amendments thereto. The System is a component unit of the City only to the extent the System receives contributions equal to the actuarially determined percentage of the total direct pay of active members.

*New Accounting Pronouncement* – In June 1999, the GASB issued Statement No. 34, Basic Financial Statements – and Management's Discussion and Analysis – For State and Local Governments (GASB 34). In June, 2001, the GASB issued Statement No. 37, Basic Financial Statements – and Management's Discussion and Analysis – for State and Local Governments: Omnibus, which amended certain provisions of GASB 34. As required by implementation guidelines under GASB 34, the System adopted the new pronouncement, as amended, for 2002. The adoption of GASB 34 required the System to present Management's Discussion and Analysis (MD & A). The MD & A is considered to be required supplementary information and precedes the financial statements. The adoption of GASB 34 had no impact on the System's basic financial statements of net assets.

*Basis of Accounting* - Basis of accounting is the method by which revenues and expenses are recognized in the accounts and are reported in the financial statements. The accrual basis of accounting is used for the System. Under the accrual basis of accounting, revenues are recognized when they are earned and collection is reasonably assured, and expenses are recognized when the liability is incurred. Plan member contributions are recognized in the period in which the contributions are due. Employer contributions to each plan 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.

*Investments* - Investments are reported at fair value. Securities traded on national or international exchanges are valued at the last reported sales price at current exchange rates. Investments that do not have an established market value are reported at estimated fair value.

# Houston Police Officers' Pension System

## Notes to Financial Statements

Dividend income is recorded on the ex-dividend date. Income from other investments is recorded when earned. Gains and losses on sales of securities are recognized on the trade date. The cost of investments sold is determined using the first-in, first-out cost flow method.

Statutes of the State of Texas authorize the System to invest surplus funds in a manner provided by the Government Code, Title 8, Subtitle A, Subchapter C. The System's investments have been categorized to indicate the level of risk assumed by the System at year-end.

Category one includes investments that are insured or registered, or for which the System or its agent in the System's name holds the securities. Category two includes investments which are uninsured and unregistered, with securities held by the counter party's trust department or agent in the System's name. Category three includes investments which are uninsured and unregistered, with securities held by the counter party, or by its trust department or agent but not in the System's name. The System's investments in the United States government securities and corporate bonds meet the criteria of Category one. All other investments are in Category three except for commingled funds and alternative investments, which, by their nature, are not required to be so categorized.

Short-term investments include funds held in the Northern Trust Short Term Investment fund (STIF) and commercial paper with maturities not exceeding one year. Fixed income investments include government securities such as Treasury securities, Federally sponsored agency issued discount notes, bonds, agency pass-through securities and collateralized mortgage obligations; US corporate bonds such as term bonds and asset backed securities; and foreign securities such as dollar denominated and non-dollar denominated issues of non-US governments and private corporations. Call options on fixed income securities give the holder the right but not the obligation to purchase US Treasury securities during the term of the option contract. The holder pays a premium for this right, which is carried as an asset of the System, subject to daily mark-to-market adjustments, during the contract term. The issuer of the option has an obligation to the holder to settle the option position in cash at the fair value of the underlying security in exchange for the price specified by the option, until the contract is exercised or expires. Equity securities consist of individual shares of equity securities plus units of commingled stock funds of both US and foreign entities. Alternative investments consist of investments in real estate and venture capital and private equity limited partnerships.

# Houston Police Officers' Pension System

## Notes to Financial Statements

### Securities Lending Program –

<i>June 30,</i>	Fair Value (\$000's)	
	2002	2001
Investments held by System's agent in System's name:		
Cash equivalent securities	\$ 150,851	\$ 48,527
Fixed income	417,902	561,001
Equities	1,004,228	1,111,212
Alternative investments	158,639	172,842
Foreign currency contracts	710	509
Securities lending collateral investment pool	221,455	252,617
	<b>\$ 1,953,785</b>	<b>\$ 2,146,708</b>
Investments held by brokers under securities loans with cash collateral:		
Fixed income	\$ 56,527	\$ 55,841
Equities	147,457	186,945
	<b>\$ 203,984</b>	<b>\$ 242,786</b>

The Board of Trustees policies permit the System to lend securities (domestic and international equities and domestic fixed income) to securities firms on a temporary basis through its custodian bank. The System receives fees for all loans and retains the right to all interest and dividend payments while the securities are on loan. Cash, letters of credit or various government securities having market values equal to or exceeding 102 and 105 percent of the value of the loaned securities for domestic and international securities, respectively, collateralize all security loan agreements. Whenever market value of the securities on loan changes, the borrower must adjust the collateral accordingly. At June 30, 2002, the System had no credit risk exposure to borrowers because the amounts the System owes the borrowers exceed the amounts the borrowers owe the System.

The System's bank pools all collateral received from securities lending transactions and invests any cash collateral. The System holds an undivided share of the collateral provided by the borrowers of the securities. At June 30, 2002 the weighted-average maturity of the collateral pool was 30 days. The relationship between the maturities of the collateral pool and the System's loans has not been determined. Cash collateral invested in the custodian bank collateral pool at June 30, 2002 of \$210,808 thousand is not classified by category of custodial credit risk. The balance of the collateral at June 30, 2002 of \$10,647 thousand consists of treasury securities and letters of credit and is classified in category one.

# Houston Police Officers' Pension System

## Notes to Financial Statements

The System cannot sell or pledge the collateral unless the borrower fails to return the securities borrowed. The market value of securities on loan at June 30, 2002 and 2001 was \$214,090 thousand and \$244,101 thousand, respectively.

*Derivatives* – The System's investment managers may invest in derivatives if permitted by their guidelines. The System's Board of Trustees establishes the System's staff monitors guidelines and compliance. From time to time the System's investment managers will invest in foreign currency contracts, options, collateralized mortgage obligations and mortgage-backed securities. No derivatives are purchased with borrowed funds.

The foreign currency contracts are used to hedge against the currency risk in the System's investments in foreign equity securities. The other derivatives are used to enhance yields and provide incremental income. Derivative securities are subject to changes in value due to changes in interest rates or currency valuations. The mortgage-backed securities are additionally subject to prepayment risk when interest rates are declining.

Futures on investments are used to take advantage of mis-pricing opportunities. When a position is taken in a futures contract, a margin is posted and the contract is subject to daily mark-to-market adjustments. To liquidate the contract prior to expiration an offsetting position in the same contract must be taken. At expiration the holder of the futures contract accepts delivery of the underlying asset at the agreed-upon price. The average balances outstanding of futures during the fiscal years-ending June 30, 2002 and 2001 were \$28,973 thousand and \$6,651 thousand, respectively. Futures outstanding at June 30, 2002 and 2001 were \$119,587 thousand and \$494 thousand, respectively.

*Foreign Currency* - The books and records of the System are maintained in US dollars. Foreign currencies and non-dollar denominated investments are translated into US dollars at the bid prices of such currencies against US dollars at each balance sheet date. Realized and unrealized gains and losses on investments which result from changes in foreign currency exchange rates have been included in the net depreciation in fair value of investments. Net realized foreign currency gains and losses resulting from changes in exchange rates include foreign currency gains and losses between trade date and settlement date of investment securities transactions, foreign currency transactions and the difference between the amounts of interest and dividends recorded on the books of the System and the amount actually received.

# Houston Police Officers' Pension System

## Notes to Financial Statements

*Administrative Costs* – All administrative costs of the System are paid from the System's assets.

*Cash* – The System considers only demand deposits as cash. Short-term investments, classified on the balance sheet as "Investments", are composed of investments in short-term money market funds and commercial paper with maturities not exceeding one year and extended term money market funds with an average maturity not exceeding one year. Short-term investments meet the criteria of category three as described in paragraph one of Investments above.

As of June 30, 2002 and 2001, the System had a balance of \$65 thousand and \$38 thousand, respectively, on deposit at a financial institution. The Federal Depository Insurance Corporation covered cash on deposit up to \$100 thousand at this financial institution. Cash on deposit with the System's custodian bank is collateralized by securities held in the custodian's name.

*Federal Income Tax* - A favorable determination that the System is qualified and exempt from Federal income taxes was received July 15, 2002. The Board believes that the System is designed and continues to operate in compliance with the applicable requirements of the Internal Revenue Code.

*Use of Estimates* – The preparation of the System's financial statements, in conformity with accounting principles generally accepted in the United States of America, requires management to make significant estimates and assumptions that affect the reported amounts and net plan assets at the date of the financial statements and the actuarial information included in the required supplementary information as of the benefit information date, the changes in the System's net assets during the reporting period and, when applicable, disclosures of the contingent assets and liabilities at the date of the financial statements. Actual results could differ from those estimates.

### 3. Contributions and Reserves

*Contributions* – Members are required to contribute 8.75% of their total direct pay to the System. Prior to June 1, 1996, contributions to the System were made on an after-tax basis. Subsequent to this date, contributions will be on a pre-tax basis pursuant to an amendment to the Governing Statutes passed by the Texas State Legislature in the 1995 legislative session.

# Houston Police Officers' Pension System

## Notes to Financial Statements

Employer contribution rates are established and may be amended by the System's Board of Trustees, based on the results of actuarial valuations. The contribution rates are determined based on the benefit structure established by the Board of Trustees. The contribution rate has been determined to provide for normal cost plus the level percentage of payroll required to amortize the unfunded actuarial accrued liability or surplus over thirty years (constant).

The City contributed \$32,645 thousand for fiscal year 2002 as required in an agreement with the City agreement dated May 1, 2001. The City's actuarial contribution rate for the year ended June 30, 2002 was 16.3 percent. Pursuant to an agreement with the City dated May 1, 2001, the City agrees its contribution rate will be as follows:

FYE	Amount (\$000's)
2003	\$34,645
2004	36,645
2005	16% of total direct pay (TDP)
2006 and thereafter	The greater of 16% of TDP or the actuarial determined rate.

#### 4. Commitments and Contingencies

As described in Note 1, certain members of the System are entitled to refunds of their accumulated contributions, without interest, upon termination of employment with the City prior to being eligible for pension benefits. At June 30, 2002 and 2001, aggregate contributions from active members of the System were approximately \$220,941 thousand and \$206,201 thousand, respectively. The portion of these contributions, which are refundable to members who may terminate with less than twenty years of service, has not been determined.

At June 30, 2002 and 2001, the total accumulated lump sum benefit due to DROP members was approximately \$309,461 thousand and \$241,197 thousand, respectively.

At June 30, 2002 and 2001, the total accumulated lump sum benefit due to PROP participants was \$14,793 thousand and \$1,206 thousand, respectively.

# Houston Police Officers' Pension System

## Notes to Financial Statements

The System has outstanding commitments to various limited partnerships totaling \$186,205 thousand and \$175,052 thousand, as of June 30, 2002 and 2001, respectively.

Effective August 1, 1999 the System executed a five-year office lease renewal through July 31, 2004, at a monthly base rental of \$15.6 thousand.

# Houston Police Officers' Pension System

## Required Supplementary Information (Unaudited)

### **Schedule of Funding Progress** (\$000's)

Actuarial Valuation Date	Actuarial Value of Plan Assets (a)	Actuarial Liability (AAL) Entry Age (b)	Unfunded AAL (Surplus) (UAAL) (b-a)	Funded Ratio (%) (a/b)	Projected Annual Covered Payroll (c)	UAAL as Percentage of Covered Payroll ((b-a)/c)
July 1, 1995	\$1,038,256	\$1,000,423	\$ (37,833)	104	\$ 174,761	(22)
July 1, 1996	1,168,056	1,199,748	31,692	97	182,251	17
July 1, 1997	1,329,570	1,258,217	(71,353)	106	187,134	(38)
July 1, 1998	1,518,081	1,549,341	31,260	98	196,364	16
July 1, 1999	1,746,312	1,773,829	27,517	98	246,569	11
July 1, 2000	2,013,491	1,966,404	(47,087)	102	250,691	(19)
July 1, 2001	2,226,307	2,306,427	80,120	97	264,226	30

### **Schedule of Employer Contributions** (\$000's)

Years Ended June 30,	Annual Required Contribution	Percentage Contributed	Annual Required Contribution as a Percentage of Pay
1997	\$29,503	100.0	16.2
1998	30,564	100.0	16.2
1999	30,645	100.0	16.8
2000	30,645	100.0	16.3
2001	30,645	100.0	11.3
2002	32,645	100.0	16.3
2003	34,645	100.0	20.5

*See accompanying independent auditors' report.*



# Houston Police Officers' Pension System

## Required Supplementary Information (Unaudited)

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

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Valuation date	July 1, 2001
Actuarial cost method	Entry age
Amortization method	Level percent of payroll Amortization over 30 years
Remaining amortization period	30 years
Asset valuation method	5 year smoothed market
Actuarial assumptions:	
Investment rate of return	8.5%
Payroll growth rate, attributable entirely to inflation	4.0%
Annual cost of living adjustment	3.0%
Projected salary increases	4.0% - 9.0%

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*See accompanying independent auditors' report.*

# Houston Police Officers' Pension System

## Schedule I - Investment, Professional and Administrative Expenses (\$000's)

<i>Year ended June 30,</i>	<b>2002</b>	<b>2001</b>
Investment services	\$ 7,827	\$ 7,839
Professional services:		
Actuarial services	202	233
Auditing services	31	28
Election audit services	2	11
Legal services	50	291
Lobbyist services	80	73
Total professional services	365	636
Administrative expenses:		
Education and due diligence	128	70
Fiduciary insurance	52	56
Office rent	191	223
Other office costs	2,575	1,869
Total administrative expenses	2,946	2,218
	\$ 11,138	\$ 10,693

*See accompanying independent auditors' report.*

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*Year ended June 30, 2002*

Type of Investment <sup>(1)</sup>	Market Value June 30, 2001	Purchases	Sales and Redemptions
Fixed income	\$ 616,842	\$ 339,356	\$ 474,364
Equity securities	1,298,157	1,469,300	1,425,005
Alternative investments	172,842	41,439	19,272
Short-term investments	48,527	202,703	100,349
	\$ 2,136,368	\$2,052,798	\$ 2,018,990
		<u>Sales</u>	<u>Deliveries</u>
Foreign currency contracts	\$ 509	\$ 783,025	\$ 781,306

<sup>(1)</sup>*Space and cost restriction make it impractical to print the entire investment portfolio in this report.  
A portfolio listing is available for review at the System's office.*

# Houston Police Officers' Pension System

## Schedule II - Summary of Investments (000's)

<i>Net Appreciation (Depreciation)</i>	<i>Market Value June 30, 2002</i>
\$ (7,405)	\$ 474,429
(190,767)	1,151,685
(36,370)	158,639
(30)	150,851
\$ (234,572)	\$ 1,935,604
\$ 1,920	\$ 710

*See accompanying independent auditors' report*

# Houston Police Officers' Pension System

## Schedule III – Summary of Investment and Professional Services (\$000's)

<i>Year ended June 30, 2002</i>	Official System Position	Payments	Nature of Services
Abbott Capital Management	Consultant	\$ 286	Consulting
The Northern Trust Company	Custodian	186	Custodian
American Express Asset Management	Money manager	691	Money management
Arnhold & S. Bleichroeder	Money manager	364	Money management
Barclays Global Investors	Money manager	1,103	Money management
Brandes Investment Partners	Money manager	1,420	Money management
Cowen Asset Management	Money manager	416	Money management
Credit Suisse Asset Management	Money manager	317	Money management
Delaware International Advisers, Ltd.	Money manager	43	Money management
Donald Smith & Co.	Money manager	231	Money management
Driehaus Capital Management, Inc.	Money manager	200	Money management
Groupama Asset Management, NA	Money manager	252	Money management
Iridian Asset Management	Money manager	214	Money management
Loomis Sayles & Co.	Money manager	255	Money management
MacKay-Shields Financial Corp.	Money manager	388	Money management

# Houston Police Officers' Pension System

## Schedule III – Summary of Investment and Professional Services (\$000's)

<i>Year ended June 30, 2002</i>	Official System Position	Payments	Nature of Services
The Northern Trust Company	Money manager	44	Money management
NWQ Investment Management Company	Money manager	223	Money management
Seneca Capital Management	Money manager	179	Money management
Shenkman Capital Management, Inc.	Money Manager	291	Money Management
TT International	Money Manager	797	Money Management
Towers Perrin	Actuary	202	Actuarial
BDO Seidman, LLP	Auditors	31	Auditing
Lawson & Fields	Attorneys	42	Legal Service
Lock Liddell Sapp	Attorneys	80	Lobbyists
Bickley Prescott & Co.	Consultant	2	Election Auditing
Other	Other	8	Other
Subtotal		8,265	
Accrued at June 30, 2001		1,749	
Accrued at June 30, 2002		1,676	
Total investment and professional services		\$8,192	

*See accompanying independent auditors' report.*

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**SECTION THREE**  
**INVESTMENT SECTION**

### **Responsibilities of the Board of Trustees**

The primary fiduciary fiscal responsibility of the Board of Trustees is to insure that the retirement plan assets are responsibly managed in accordance with the actuarial needs of the System, and also with sound, generally accepted financial investment procedures. The determination of the appropriate asset mix is based on capital market assumptions, which incorporate historical returns, volatility and correlation of various asset classes.

The Standard of Investment for the System in making investments is to exercise the judgment and care in the circumstances then prevailing which persons of prudence, discretion and intelligence exercise in the management of their own affairs. The Trustees' responsibility is to invest the System's funds solely in the interest of the membership and their beneficiaries, and for the exclusive purpose of providing benefits to the membership and their beneficiaries and defraying reasonable expenses of administering the System.

### **Investment Philosophy and Objectives**

The Board of Trustees believes that the System's assets should be managed in a way that reflects the uniqueness of the System. The System's assets should be diversified over a spectrum of investment vehicles. Specifically, the Board recognizes and adheres to the following philosophical positions:

- Over the long term, the risk of owning equities has been, and should continue to be, rewarded with a somewhat greater return than that available from fixed income investments.
- Fixed income investments provide the System with an investment vehicle that contributes diversification, liquidity and a predictable stream of income, and that dampens volatility in investment returns.
- Diversification into alternative investments provides the System with an opportunity to enhance returns and to achieve broader diversification of the System's assets.

The long-term objectives established by the Board of Trustees are to achieve a real rate of return of 7.3 percent and a nominal rate of return of 9.5 percent.

### **Investment Strategy and Performance**

The September 11 terrorist attacks, corporate governance and accounting issues, and the slow economic recovery dominated the financial markets throughout fiscal year 2002. Stock prices plummeted while bond prices gained as a safe haven. As a result of the continuing erosion in equity values, the System's equity investments were below the low ends of their target range. In October, \$38 million was reallocated from fixed income investments into U.S. and international equity investments. The System's total assets declined to \$1.95 billion as of June 30 2002 from \$2.14 billion a year ago. The loss of \$189 million after adjusting for a negative cash flow (benefits exceeded contributions) amounted to an 8.83% depreciation. The decline was more than the 8.12% drop in the System's policy benchmark.

During fiscal year 2002, the System overhauled the domestic equity manager structure replacing four managers with four new managers - Arnhold and S. Bleichroeder, Driehaus Capital Investment, Groupama Asset Management, and NWQ Investment Management. To broaden the diversification in the fixed income asset class, two new managers were hired: Bridgewater Associates, managing international bonds, and Ashmore Investment Management, managing emerging market debt.

#### *Domestic Equity*

The equity market continued to decline due to concern on corporate accountability, slow economic recovery, corporate profits, and terrorism. The Russell 3000 Index declined 17.24% for the year ended

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## INVESTMENT SECTION

June 30, 2002. The System's equity investments had a better performance than the benchmark with a decrease of 15.42% as three of the System's five active managers outperformed the general stock market.

### *International Equity*

International equity markets also slumped alongside the U.S. equity market but to a lesser magnitude. The System's international equity investments declined 9.54% for fiscal year ended June 30, 2002, slightly underperforming the 9.22% drop in the MSCI EAFE Index.

### *High Yield*

Despite the high default rate in the high yield markets, this asset class generated a modest return of 2.01% for the fiscal year. The System's three high yield managers in aggregate outperformed the CSFB High Yield Index benchmark with a return of 3.03%.

### *Fixed Income*

As a result of flight to safety on the part of investors and slow economic growth, the bond market had a healthy gain as evidenced by the 8.63% return on the Lehman Bros. Aggregate Index. The System's fixed income investments returned only 7.13%. The underperformance was attributable to the System's two core plus managers.

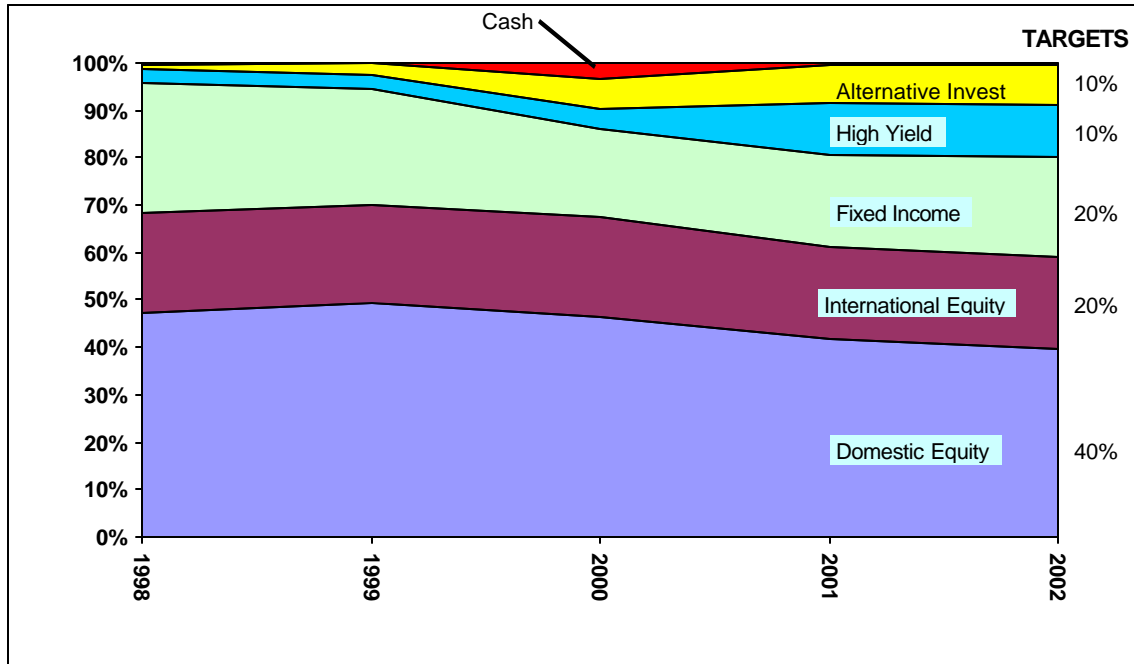
### *Alternative Investments*

Value of the alternative investments was greatly impacted by the performance of the public equity markets. With a very poor equity market in the United States, the System's alternative investments posted a negative return of 20.36%, much more than the 12.99% decline of the benchmark for this asset class.

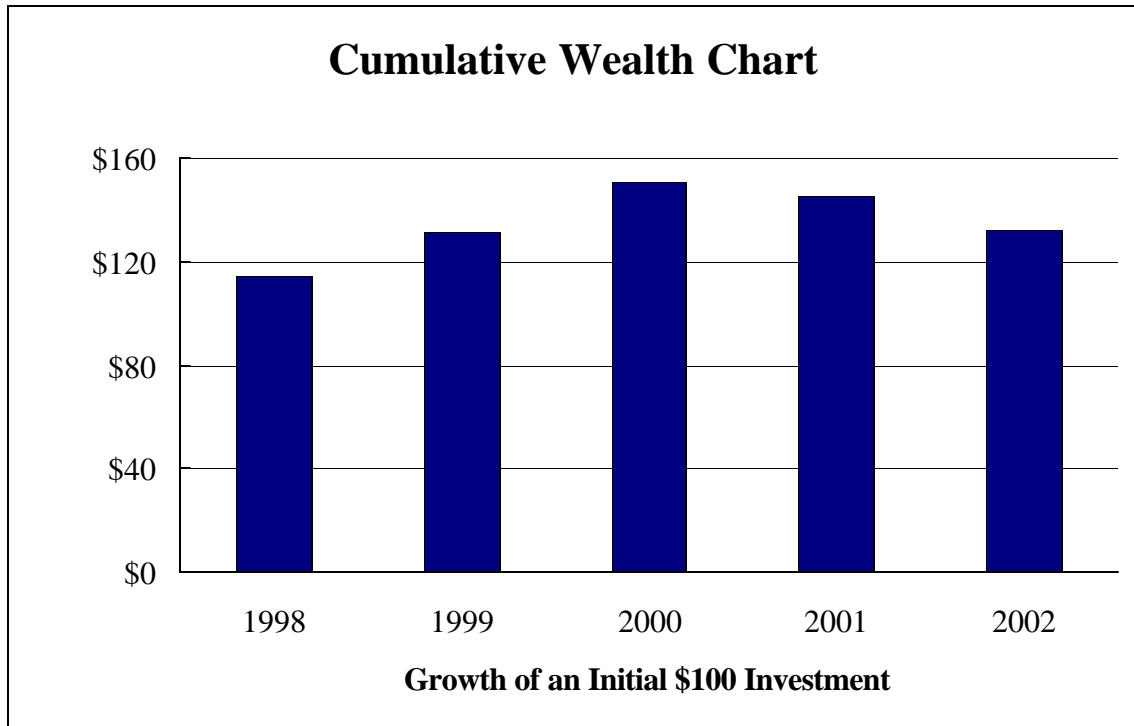
## **Report Preparation**

This report was prepared by the Investment Department of the Houston Police Officers' Pension System.

Asset Allocation as of June 30



Historical Performance



INVESTMENT SECTION

Year	System Total	Domestic Equity	S & P 500	International Equity	MSCI EAFE	Fixed Income	Brothers Aggregate	High Yield	CSFB HY	Alternative Investment
1998	14.2	30.0	30.3	-0.3	6.4	7.8	10.5	15.9	11.0	-12.2
1999	15.0	16.4	22.8	25.1	8.0	3.5	3.1	8.9	-1.3	6.1
2000	14.8	11.4	7.2	31.5	17.4	1.1	4.6	5.7	-1.7	54.8
2001	-4.0	-3.9	-14.8	-14.1	-23.3	5.3	11.2	2.7	-0.8	-3.8
2002	-8.8	-15.4	-18.0	-9.5	-9.2	7.1	8.6	3.0	2.0	-20.4

**Compound Annualized Rates of Return (%)**  
**Years Ended June 30, 2002**

Years	System Total	Domestic Equity	Russell 3000	International Equity	MSCI EAFE	Fixed Income	Lehman Brothers Aggregate	High Yield	CSFB HY	Alternative Investment
2	-6.3	-9.8	-15.6	-11.8	-16.6	6.2	9.9	2.8	0.6	-13.1
3	0.2	-3.3	-7.9	0.7	-6.5	4.5	8.1	3.8	-0.2	-1.1
5	5.8	6.5	3.8	4.9	-1.3	5.0	7.6	7.1	1.7	-1.2
10	9.2	11.8	11.3	8.8	5.7	7.6	7.3	na	na	na

These calculations were prepared using a time-weighted rate of return in accordance with AIMR's Performance Presentation Standards. Though these standards do not apply to plan sponsors per se, we have used them as the most correct method to calculate rates of return.

**Schedule of Ten Largest Domestic Equity Holdings**

As of June 30, 2002

Shares	Description	Market Value (\$000's)
486,700	Comcast Corp	11,603
258,235	Viacom	11,458
153,100	Goldman Sachs Group	11,230
241,482	Lowes Cos	10,963
102,745	General Dynamics Corp	10,927
272,458	Citigroup	10,558
240,600	Raytheon	9,804
176,800	Boeing	7,956
218,100	Honeywell Intl	7,684
482,200	Cendant	7,657

**Schedule of Ten Largest Non-U.S. Equity Holdings**

As of June 30, 2002

Shares	Description	Market Value (\$000's)
60,529	Total Fina (France)	9,827
649,466	Bilb-Viz-Arg (Spain)	7,344
1,429,200	Imperial Chemical (UK)	6,949
1,171,246	Marks & Spencer (UK)	6,655
426,730	Euro Aero Def (France)	6,562
2,074,320	Intesabci (Italy)	6,330
4,809,500	Corus Group ((UK)	6,158
224,260	Posco ADR (S. Korea)	6,116
29,650	Zurich Financial (Switzerland)	5,987
556,486	British American Tobacco (UK)	5,980

A complete list of all individual holdings is available upon request.

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**INVESTMENT SECTION****Schedule of Ten Largest Domestic Fixed Income Holdings**As of June 30, 2002

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Par Value	Description	Market Value (\$000's)
3,473,974	FNMA Pool 6.5% due 11-1-2031	3,547
2,000,000	Aztar Corp 8.875% due 5-15-2007	2,013
2,000,000	Allied Waste Mgmt 10% due 8-1-2009	1,965
2,035,000	Echostar 9.375% due 2-1-2009	1,882
1,750,000	Fed Home Loan Mtg 4.625% due 2-15-2007	1,719
1,500,000	Pemex Fin 9.69% due 8-15-2009	1,667
1,700,000	PVTPL Bnagkok Bank 9.025% due 3-15-2029	1,632
2,000,000	Ford Motor 6.375% due 2-1-2029	1,629
2,040,000	Delta Airlines 8.3% due 12-15-2029	1,591
2,035,000	Time Warner 6.625% due 5-15-2029	1,587

**Schedule of Ten Largest Non-U.S. Fixed Income Holdings**As of June 30, 2002

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Par Value	Description	Market Value (\$000's)
2,500,000	Belgium 7.75% 10-15/2004	2,663
3,500,000	Saskatchewan (Canada) 4.75% 1-12-2006	2,285
250,000,000	Japan Govt 0.8% 5-20-2005	2,127
1,800,000	Dutch Govt 5.5% due 7-15-2010	1,840
200,000,000	Japan Govt 0.9% due 12/22/2008	1,691
1,500,000	Pemex (Mexico) Financial 9.69% due 8-15-2009	1,667
1,500,000	Gazprom (Russia) 8.41% 2-19/2003	1,580
1,500,000	Pemex (Mexico) Project 8.5% due 2-15-2008	1,556
2,000,000	Brazil Govt Var% due 4-15-2014	1,546
1,500,000	Hurricane Hydrocarbn(Kazakhstan) 12% 8-4-2006	1,485

A complete list of all individual holdings is available upon request.

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**INVESTMENT SECTION****Schedule of Brokerage Commissions Paid****Domestic Trades - Ten Largest by Total Commissions Paid**

For the year ended June 30, 2002

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Brokers	Shares	Commissions	Principal	Commissions Per Share
Lynch Jones & Ryan	3,057,880	\$159,584	\$84,027,408	\$0.052
Smith Barney Inc	1,085,687	37,598	33,281,419	0.035
First Boston Corp	1,079,882	34,424	32,758,357	0.032
Bear, Stearns, Securities Corp	560,217	22,329	15,215,167	0.040
Montgomery Securities	561,900	20,574	13,776,263	0.037
Prudential Securities	521,262	19,572	14,810,262	0.038
Goldman Sachs	681,456	19,220	18,208,422	0.028
Morgan Stanley	668,843	18,667	22,360,959	0.028
UBS Warburg Dillon Read	459,601	17,596	19,030,705	0.038
Lehman Brothers	354,452	17,545	7,524,718	0.049

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**International Trades - Ten Largest by Total Commissions Paid**

For the year ended June 30, 2002

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Brokers	Shares	Commissions	Principal	Commissions In Basis Points
UBS Warburg	8,485,902	\$374,676	\$150,461,828	24.90
UBS AG	3,682,503	120,072	45,198,427	26.57
Merrill Lynch International	5,465,687	102,647	67,117,312	15.29
Morgan Stanley	4,068,940	54,862	44,927,322	12.21
Deutsche Morgan Grenfell	1,740,030	53,088	25,932,311	20.47
Goldman Sachs	1,391,957	50,372	23,996,011	20.99
Credit Suisse First Boston	3,324,329	50,115	23,000,459	21.79
Lehman Brothers	2,921,368	49,918	40,147,887	12.43
ABN AMRO	2,649,183	37,333	9,838,890	37.94
HSBC Investment Bnak PLC	3,634,414	31,937	16,933,292	18.86

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SECTION FOUR  
**ACTUARIAL SECTION**



## Actuarial Certification

This report describes the results of an actuarial valuation of the Houston Police Officers Pension System. The Houston Police Officers Pension System retained Towers Perrin to perform this actuarial valuation for the purposes of determining the funding status for the plan year July 1, 2002 through June 30, 2003.

The consulting actuary is a member of the Society of Actuaries and other professional actuarial organizations and meets their "General Qualification Standard for Prescribed Statements of Actuarial Opinions" relating to pension plans.

In preparing the actuarial results, we have relied upon information provided by the Board of Trustees regarding plan provisions, plan participants, plan assets, and other matters. While the scope of our engagement did not call for us to perform an audit or independent verification of this information, we have reviewed this information for reasonableness but have not audited it. The accuracy of the results presented in this report is dependent upon the accuracy and completeness of the underlying information. Historical information for years prior to 1986 was prepared by the prior actuaries and was not subjected to our actuarial review.

The actuarial methods and assumptions used in this valuation were selected by the Board of Trustees. The Board has sole authority to determine the actuarial assumptions. In our opinion, the actuarial assumptions used are appropriate for purposes of the valuation and, in the aggregate, are reasonably related to the experience of the Fund and to reasonable expectations.

The funding determination portion of this actuarial valuation has been conducted in accordance with principles of practice prescribed by the Actuarial Standards Board and the requirements of the Texas Government Code. Section 802.101 of the Texas Government Code requires the use of actuarial "assumptions and methods that are reasonable in the aggregate, considering the experience of the program and reasonable expectations, and that, in combination, offer the actuary's best estimate of anticipated experience under the program."

The results shown in this report are reasonable actuarial results. However, a different set of results could also be considered reasonable actuarial results, since the Actuarial Standards of Practice describe a "best-estimate range" for each assumption, rather than a single best-estimate value. Thus, reasonable results differing from those presented in this report could have been developed by selecting different points within the best-estimate ranges for various assumptions.

The information contained in this report was prepared for the internal use of the Houston Police Officers Pension System and its auditors in connection with our actuarial valuation of the pension plan. It is neither intended nor necessarily suitable for other purposes.

Towers Perrin

A handwritten signature in blue ink that reads "Adam S. Berk".

Adam S. Berk  
ASA, CFA, EA, MAAA

March, 2003

**ACTUARIAL SECTION**

Historical Unfunded Actuarial Accrued Liability (Surplus) (\$000)

<u>Valuation Date</u>	<u>Actuarial Accrued Liability (AAL)</u>	<u>Actuarial Value of Assets (AVA)</u>	<u>AVA as a Percentage of AAL</u>	<u>Unfunded AAL (Surplus)</u>	<u>Covered Payroll</u>	<u>UAAL (Surplus) as a Percentage of Covered Payroll</u>
January 1, 1980	\$ 301,585	\$ 90,226	30%	\$ 211,359	\$ 58,169	363%
January 1, 1982	412,298	139,976	34	272,322	89,529	304
July 1, 1984	507,883	230,143	45	277,740	111,489	249
July 1, 1986	454,067	420,487	93	33,580	125,963*	27
July 1, 1987	488,387	505,483	104	(17,096)	126,960	(13)
July 1, 1988	524,894	516,177	98	8,717	121,667	7
July 1, 1989	581,681	585,358	101	(3,677)	122,803	(3)
July 1, 1990	663,278	676,684	102	(13,406)	126,665**	(11)
July 1, 1992	853,975	774,785	91	79,190	143,020	55
July 1, 1993	936,674	857,535	92	79,139	159,321	50
July 1, 1994	984,495	947,456	96	37,039	162,143	23
July 1, 1995	1,000,423	1,038,256	104	(37,833)	174,761	(22)
July 1, 1996	1,199,748	1,168,056	97	31,692	182,251	17
July 1, 1997	1,258,217	1,329,570	106	(71,353)	187,134	(38)
July 1, 1998	1,549,341	1,518,081	98	31,260	196,364	16
July 1, 1999	1,773,829	1,746,312	98	27,517	246,569***	11
July 1, 2000	1,966,404	2,013,491	102	(47,087)	250,691	(19)
July 1, 2001	2,306,427	2,226,307	97	80,120	264,226	30
July 1, 2002	2,593,730	2,337,157	90	256,573	286,150	90

\* Reflects the July 5, 1986 pay decrease.  
 \*\* Reflects the November 1, 1990 pay increase.  
 \*\*\* Definition of covered payroll changed from base pay to total direct pay less overtime.

**ACTUARIAL SECTION**

Historical Solvency Test (\$000)

Valuation Date	Actuarial Accrued Liability for:						
	Employee Contributions	Inactive Participants	Active Participants (City-Financed Portion)	Actuarial Value of Assets	Portion of Actuarial Accrued Liability Covered by Assets		
	(1)	(2)	(3)	(1)	(2)	(3)	
July 1, 1987	\$ 72,603	\$ 164,367	\$ 251,417	\$ 505,483	100%	100%	100%
July 1, 1988	77,404	196,547	250,943	516,177	100	100	97
July 1, 1989	82,919	222,585	276,177	585,358	100	100	100
July 1, 1990	87,430	261,114	314,734	676,684	100	100	100
July 1, 1991	98,099	338,914	416,962	774,785	100	100	81
July 1, 1992	105,464	372,674	458,536	857,535	100	100	83
July 1, 1993	114,279	401,989	468,227	947,456	100	100	92
July 1, 1994	123,471	416,053	460,899	1,038,256	100	100	100
July 1, 1995	91,687	764,518	343,543	1,168,056	100	100	91
July 1, 1996	95,615	812,498	350,104	1,329,570	100	100	100
July 1, 1998	99,298	1,017,723	432,320	1,518,081	100	100	93
July 1, 1999	107,008	1,157,882	508,939	1,746,312	100	100	95
July 1, 2000	111,099	1,324,079	531,225	2,013,491	100	100	100
July 1, 2001	138,248	707,152	1,461,027*	2,226,307	100	100	95
July 1, 2002	145,255	718,779	1,729,696	2,337,157	100	100	85

\* Prior to July 1, 2001 the Actuarial Accrued Liability for DROP Participants was included in the Inactive liability.

Historical Active Participant Data

Valuation Date	Number of Participants	Average Age	Annual Covered Payroll (\$000)	Average Annual Covered Payroll	Percentage Increase in Average Covered Payroll
January 1, 1976	2,622	N/A	\$ 39,500	\$ 15,066	39.9%
January 1, 1978	2,877	N/A	50,040	17,393	15.4
January 1, 1980	3,029	N/A	58,169	19,204	10.4
January 1, 1982	3,243	N/A	89,529	27,607	43.8
July 1, 1984	3,997	N/A	111,489	27,893	1.0
July 1, 1986	4,526	33.5	125,963 <sup>(1)</sup>	27,831	(0.2)
July 1, 1987	4,494	34.4	126,960	28,251	1.5
July 1, 1988	4,239	35.0	121,667	28,702	1.6
July 1, 1989	4,105	35.7	122,803	29,915	4.2
July 1, 1990	4,073	36.2	126,665 <sup>(2)</sup>	31,099	4.0
July 1, 1992	4,120	36.8	143,020	34,714	11.6
July 1, 1993	4,498	36.7	159,321	35,420	2.0
July 1, 1994	4,705	36.8	162,143	34,462	(2.7)
July 1, 1995	4,921	36.9	174,761	35,513	3.0
July 1, 1996 <sup>(3)</sup>	4,395	35.1	150,903	34,335	(3.3)
July 1, 1997	4,282	35.5	149,631	34,944	1.8
July 1, 1998	4,247	35.9	153,479	36,138	3.4
July 1, 1999	4,253	36.3	187,967 <sup>(4)</sup>	44,196 <sup>(4)</sup>	22.3 <sup>(4)</sup>
July 1, 2000	4,137	36.7	179,415	43,368	(1.9)
July 1, 2001 <sup>(5)</sup>	5,325	40.2	264,226 <sup>(6)</sup>	49,620 <sup>(6)</sup>	14.4 <sup>(6)</sup>
July 1, 2002	5,352	40.7	286,150	53,466	7.8

(1) Reflects the July 5, 1986 pay decrease.

(2) Reflects the November 1, 1990 pay increase.

(3) Includes those participants currently accruing benefits from the July 1, 1996 to July 1, 2000 valuation dates (excludes current DROP participants).

(4) Definition of covered payroll changed from base pay to total direct pay less overtime.

(5) Includes active participants eligible for DROP beginning July 1, 2001.

(6) Beginning July 1, 2001 the definition of total direct pay changed from the average of the last 26 pay periods to the highest bi-weekly pay period.

**ACTUARIAL SECTION**

Inactive Participants Added to and Removed from Rolls

Period Ended	Added to Rolls		Removed from Rolls		Rolls at the End of the Year		Percentage Increase in Annual Benefits	Average Annual Benefit
	Number	Annual Benefits (\$000)	Number	Annual Benefits (\$000)	Number	Annual Benefits (\$000)		
December 31, 1977	62	\$ 520	18	\$ 55	439	\$ 2,979	15.1%	\$ 6,785
December 31, 1978	66	779	13	80	492	3,653	22.6	7,425
December 31, 1979	68	845	12	126	548	4,370	19.6	7,974
December 31, 1980	73	1,120	19	123	602	5,389	23.3	8,951
December 31, 1981	81	1,191	17	184	666	6,499	20.6	9,759
December 31, 1982	104	1,106	24	240	746	7,842	20.7	10,513
December 31, 1983	82	967	35	362	793	8,931	13.9	11,262
June 30, 1984	53	779	18	150	855	4,760	6.6	11,095
June 30, 1985	83	1,141	42	259	896	10,166	6.8	11,346
June 30, 1986	44	530	37	431	903	10,939	7.6	12,114
June 30, 1987	42	585	36	421	909	11,321	3.5	12,455
June 30, 1988	138	2,668	25	243	1,022	14,069	24.3	13,766
June 30, 1989	89	1,349	46	502	1,065	16,127	14.6	15,142
June 30, 1990	105	1,811	29	457	1,141	18,029	11.8	15,801
June 30, 1992	222	4,662	75	1,127	1,288	22,999	27.6	17,857
June 30, 1993	105	2,012	16	205	1,377	25,474	10.8	18,500
June 30, 1994	106	2,172	64	953	1,419	27,286	7.1	19,229
June 30, 1995	107	2,425	48	847	1,478	29,464	8.0	19,935
June 30, 1996*	893	19,109	36	602	2,335	48,624	65.0	20,824
June 30, 1997	182	3,481	29	618	2,488	52,772	8.5	21,211
June 30, 1998	159	3,483	28	589	2,619	63,957	21.2	24,420
June 30, 1999	150	3,770	46	1,001	2,723	70,432	10.1	25,866
June 30, 2000	233	6,421	36	857	2,920	76,401	8.5	26,165
June 30, 2001**	131	3,755	1,250	33,892	1,801	54,006	(29.3)	29,987
June 30, 2002	104	2,809	46	1,113	1,859	55,013	1.9	29,593

\* Includes DROP participants from June 30, 1996 through June 30, 2000

\*\* Beginning July 1, 2001 excludes active participants eligible for DROP.

## Summary of Actuarial Methods and Assumptions

### Actuarial Methods

#### Actuarial Value of Assets

Gains and losses in the market value of assets, based on the difference between the actual and the assumed rate of return, are recognized over five years.

#### Actuarial Cost Method

Entry Age Method with liabilities allocated from date of entry to assumed retirement age. The Unfunded Actuarial Accrued Liability (Surplus), including effects of actuarial gains and losses, is amortized as a level percentage of pay over 30 years. The contribution is increased for interest for one-half of a year to reflect timing of payments.

### Economic Assumptions

#### Investment Return

8.5% per year, net of expenses

#### Payroll Growth Rate/Inflation

4.0% per year

#### Individual Merit Increase Rate

<i>Age</i>	<i>Increase</i>
20	5.00%
25	4.30
30	1.80
35	0.55
40	0.25
45	0.25
Over 50	0.00

#### Individual Pay Increase Rate

Inflation plus merit

### Demographic Assumptions

#### Entry Age

Date sworn.

#### DROP Participation Rates

100% of active participants are assumed to elect the back DROP. Participants are assumed to elect the maximum duration for the back DROP, up to 20 years.

#### DROP Antiselection

DROP benefits are loaded by 1% to reflect possible antiselection of back DROP provisions

#### Retirement Rates

<i>Number of Years of Service</i>	<i>Probability of Retiring Within One Year</i>
20	15%
21 – 22	5
23	10
24 – 25	15
26 – 28	30
29 – 40	20
Over 40	100



**Summary of Actuarial Methods and Assumptions (cont.)**

Mortality Rates

- < Active participants and nondisabled retirees      1994 Group Annuity Mortality Table (see table below for sample rates).
- < Disabled retirees      1987 Commissioners Group Disabled Mortality Table (see table below for sample rates).

Disability Rates      Graduated rates (see table below for sample rates).

Percentage of Deaths and Disabilities in the Line of Duty      100%.

Termination Rates and Terminated Vested Pension Benefit Election      Graduated rates (see table below for sample rates). 50% of members eligible to receive a terminated vested pension are assumed to elect the pension at age 60 instead of a refund of contributions.

Marital Status at Benefit Eligibility

- < Percentage married      90%. (No beneficiaries other than the spouse assumed).
- < Age difference      Husbands assumed to be three years older than wives.

Valuation Earnings      Pensionable earnings over the 12 months (26 pay periods) preceding the valuation date, increased for one-half year of assumed pay increases.

Sample Rates

<b>Sample Rates per 100 Participants</b>						
<b>Age</b>	<b>Nondisabled Mortality</b>		<b>Disabled Mortality (Ultimate)</b>	<b>Termination</b>	<b>Disability</b>	
	<b>Male</b>	<b>Female</b>	<b>All</b>	<b>All</b>	<b>Male</b>	<b>Female</b>
20	0.05	0.03	0.00	4.44	0.00	0.00
25	0.07	0.03	0.00	3.99	0.00	0.00
30	0.08	0.04	2.82	3.02	0.08	0.12
35	0.09	0.05	2.82	1.92	0.10	0.16
40	0.11	0.07	2.82	0.92	0.14	0.22
45	0.16	0.10	2.82	0.21	0.21	0.30
50	0.26	0.14	2.82	0.00	0.37	0.54
55	0.44	0.23	2.82	0.00	0.79	1.08
60	0.80	0.44	3.14	0.00	2.15	2.86

## Summary of Actuarial Methods and Assumptions (cont.)

Changes in Methods and Assumptions from July 1, 2000 to July 1, 2001

Investment return was assumed to be 9% per year (rather than 8.5%), net of expenses, to reflect minimum DROP crediting rates.

The Unfunded Actuarial Accrued Liability (Surplus) is amortized over 30 years, rather than to December 31, 2022.

The Entry Age Method allocating liabilities from date of entry to assumed DROP date was changed to allocate to date of actual retirement to reflect back DROP provisions.

The DROP participation was changed to assume all participants would elect back DROP for up to ten years to better reflect anticipated experience.

Changes in Methods and Assumptions from July 1, 2001 to July 1, 2002

Nondisabled mortality was changed from the 1983 GAM Mortality Table to the 1994 GAM Mortality Table to better reflect anticipated future experience.

DROP retirement benefits were loaded by 1% to reflect possible antiselection under back DROP provisions.

The assumed DROP duration was increased from 10 to 20 years to better reflect anticipated experience.

## Summary of Plan Provisions

Covered Members	<p>All police officers sworn before September 1, 1975 are covered under Plan 1, except those who elected by December 31, 1981 to participate in Plan 3.</p> <p>All police officers sworn on or after September 1, 1975, but before September 1, 1981 are covered under Plan 2, except those who elected by December 31, 1981 to participate in Plan 3 and those from Police Cadet Classes 70 and 71 who elected to transfer to Plan 1.</p> <p>All other police officers are covered by Plan 3, except those from Police Cadet Classes 70 and 71 who elected to pay additional contributions and transfer to Plan 1.</p>
Final Compensation	
Prior to November 28, 1998	Monthly base salary paid to the participant in his/her last month of service. For any participant from a position held for less than 3 years, final compensation is the average monthly base salary for the 3 years prior to retirement.
After November 28, 1998 but prior to July 1, 2001	Monthly total direct pay less overtime paid to the participant in his/her last month of service. For any participant from a position held for less than 3 years, final compensation is the average monthly base pay for the 3 years prior to retirement plus the other current components of total direct pay.
After July 1, 2001	Highest biweekly pay period (excluding overtime) during the last 26 pay periods annualized. Amounts not paid on a biweekly basis are deducted from period paid. Annual amounts are divided by 26 and added to the highest pay period, including motorcycle allowances.
Service Retirement	
Eligibility	20 years of service.
Benefit:	
< Prior to November 1, 1955	\$75 per month plus \$2 per month for each year of service in excess of 25 years.
< After November 1, 1955 but prior to January 13, 1968	30% of final compensation plus 1% of final compensation for each year of service in excess of 20 years.

## Summary of Plan Provisions (cont.)

< After January 13, 1968 but prior to July 1, 1986	Plans 1 and 2: 30% of final compensation plus 2% of final compensation for each year of service in excess of 20 years.  Plan 3: 2% of final compensation for each year of service up to 40 years, reduced 0.42% for each month benefit commencement precedes age 55.
< After July 1, 1986 but prior to July 1, 1988	2% of final compensation for each year of service up to 40 years.
< After July 1, 1988 but prior to September 1, 1997	45% of final compensation plus 2% of final compensation for each year of service in excess of 20 years; maximum 80% of final compensation. Benefit based on prior formula is payable until July 1, 1991 and recomputed benefit is payable thereafter.
< After September 1, 1997 but prior to July 1, 2001	50% of final compensation plus 2% of final compensation for each year of service in excess of 20 years; maximum 80% of final compensation.
< After July 1, 2001	55% of final compensation plus 2% of final compensation for service in excess of 20 years.  The Pension System recomputed the benefit of each person who retired before July 1, 2001. The retiree's benefit was increased by the result of multiplying the difference between 55% and the percentage used at the time of retirement in computing the retiree's benefit for the first 20 years of service by the base salary of the retiree at the time of retirement. Retroactive cost-of-living increases were not applied to the increased benefit. This recomputed benefit is effective for all payments on or after July 1, 2001.
Additional Benefits	An extra monthly benefit of \$150.00 is payable for life. Effective November 28, 1998, a \$5,000 lump sum is payable upon retirement.
Terminated Vested Pension Benefit	
Eligibility	More than 10 but less than 20 years of service. Termination on or after November 28, 1998.
Benefit	2.75% of final compensation times years of service. This benefit commences at age 60 or at termination of service if later.

## Summary of Plan Provisions (cont.)

Deferred Retirement  
Option Plan (DROP)

Eligibility 20 years of service

Benefit:

< After September 1, 1995 but prior to September 1, 1997

Eligible participants may elect to participate in the DROP until they leave active service. The member's retirement pension will be calculated based on service and earnings at the time the DROP is elected.

A notional account will be maintained for each DROP participant. This account will be credited with the following amounts while the member is participant of the DROP:

- < The member's monthly retirement pension, including applicable cost-of-living adjustments,
- < The member's contribution to the Pension System, and
- < Investment earnings/losses at the rate of the Pension System's earnings/losses averaged over a five-year period. Effective July 1, 2001, this rate is subject to a minimum of 0%.

A benefit equal to the DROP account balance is paid at the time the member leaves active service. The payment is made as a single lump sum.

If a DROP participant suffers an on-duty disability resulting in the inability to perform his/her usual and customary duties as a police officer or dies in the line of duty, he (or his survivors) are allowed to revoke the DROP election and to receive the more generous on-duty disability or death benefits.

< After September 1, 1997 but prior to December 1, 1998

The Pension System recomputed the benefit of each person who entered the DROP before September 1, 1997. The benefit was increased in the same manner as the retiree's benefit.

< After December 1, 1998 but prior to July 1, 2001

The Pension System recomputed the benefit of each person who entered the DROP before December 1, 1998. The benefit was recalculated based on Total Direct Pay less overtime upon entry to the DROP. This recomputed benefit is effective for all payments on or after December 1, 1998.

## Summary of Plan Provisions (cont.)

< After July 1, 2001	The Pension System recomputed the benefit of each person who entered the DROP before July 1, 2001. The member's benefit was increased by the result of multiplying the difference between 55% and the percentage used at the time of DROP entry in computing the member's benefit for the first 20 years of service by the base salary of the member at the time of DROP entry. Retroactive cost-of-living increases were applied to the increased benefit. The account balance for each participant was recomputed as if this new benefit had been effective since DROP entry.
Benefit Recalculation	Effective July 1, 2001, monthly benefit at retirement will be recalculated to be the greater of (i) current monthly benefit, or (ii) monthly benefit based on service at DROP entry and Final Compensation at retirement date.
Back DROP Option	Effective on July 1, 2001, a back DROP option is available for all eligible participants. The DROP account is recalculated under the option based on what the account balance would have been had the participant elected the DROP earlier than he/she actually did. The initial DROP entry date cannot be backdated prior to September 1, 1995 or prior to 20 years of credited service, and must be on the first of the month selected.
Postretirement Option Plan (PROP)	
Eligibility	Retired from DROP
Benefit:	
< After November 28, 1998 but prior to July 1, 2001	A retired member is allowed to leave all or a portion of their DROP account in the System. These accounts are credited every calendar year with the 30-year Treasury bond rate as of June of the preceding year.
< After July 1, 2001	The interest rate earned on PROP accounts will be the same as the interest rate credited to DROP accounts, including a minimum credited rate of 0%.

## Summary of Plan Provisions (cont.)

### Disability Retirement

#### Eligibility

Effective July 1, 2001, participant partially or totally disabled is eligible for Disability Retirement as defined below:

- < Total: Disability is defined as “unable to perform his/her usual and customary duties as a police officer”.
- < Partial: Disability is an impairment which renders the participant unable to work as a police officer and which is expected to last 12 months.

#### Benefit:

##### < Duty-connected

Total: The service retirement benefit accrued to date of disability (or 20 years, if greater).

Partial: 35% of final compensation is payable for life or as long as he remains incapacitated.

##### < Not duty-connected

Total or partial: The disability benefit is 2.75% of final compensation times years of service up to 20, minimum 27.5% of final compensation.

#### Additional benefits

An education allowance equal to 100% of final compensation less disability benefit is payable for up to four years for off-duty or duty-related disability.

Proportionate members injured while on-duty as a municipal worker will receive immediate off-duty benefit upon Board approval.

### Survivor Benefits

#### Eligibility

Surviving spouses and dependent children and parents of participants, including surviving spouses of retired or disabled participants who were not married at the time of retirement or disability, provided the spouse was married to the participant for at least 5 years at the time of death:

#### Benefit

Spouse's benefit upon death before retirement:

##### < Prior to September 1, 1997

If duty-connected: Monthly lifetime benefit equal to 100% of final compensation at date of death.

If not duty-connected: Monthly lifetime benefit equal to 100% of the service retirement benefit the participant had accrued at the time of death.

Spouse's benefit upon death after retirement monthly lifetime benefit equal to actual benefit payable at time of death.

## Summary of Plan Provisions (cont.)

	<p>Dependent children's benefit if no surviving spouse, the benefit that would have been payable to the spouse is divided equally among the dependent children.</p> <p>If there is a surviving spouse, the dependent children of Plan 1 and Plan 2 participants receive \$25 per month. Dependent children include unmarried children who are under age 18, and for Plan 3, full-time students under age 22, or permanently disabled children.</p> <p>Dependent parent's income if no surviving spouse or children, but there is a dependent parent, the benefit that would have been payable to the spouse will be paid to the dependent parent.</p>
< After September 1, 1997 but prior to July 1, 2001	The Pension System recomputed the benefit of each survivor whose original benefit was computed prior to September 1, 1997. The benefit was increased in the same manner as the retiree's benefit.
< After July 1, 2001	The Pension System recomputed the benefit of each survivor whose original benefit was computed prior to July 1, 2001. The benefit was increased in the same manner as the retiree's benefit.
Additional benefits	<p>Effective December 1, 1998, a \$5,000 lump sum is paid upon the death of an active member.</p> <p>Effective July 1, 2001, an extra monthly benefit of \$150.00 is payable for life. Children receiving equivalent of the spouse's benefit do not receive this additional benefit.</p>
Benefit Adjustments	
Cost-of-living	Monthly benefits for participants receiving payments are increased each April 1 by 2/3 of the increase in the Consumer Price Index for All Urban Consumers (CPI-U) for the preceding calendar year. Effective September 1, 1997 this increase is subject to a minimum of 3.0% per year compounded and a maximum increase of 8.0% per year compounded.



## Summary of Plan Provisions (cont.)

13 <sup>th</sup> benefit check	<p>Effective November 28, 1998, a 13<sup>th</sup> benefit check is paid to current retirees and DROP members when:</p> <ul style="list-style-type: none"><li>&lt; The assets on the fund equal or exceed the liabilities after the 13<sup>th</sup> benefit check is paid.</li><li>&lt; The return on investments for the preceding fiscal year exceeds 9.25%.</li><li>&lt; The payment of the benefit will not cause the City of Houston's contribution to the System to increase.</li></ul>
Service Adjustments	<p>Effective November 28, 1998, participants with previous service with the City in non-classified positions may use that service to satisfy the service requirement of 20 years for retirement purposes only.</p> <p>Effective July 1, 2001, participants who have service credit in more than one City of Houston Pension Plan may use their combined service to qualify for DROP participation.</p> <p>Effective July 1, 2001, participants involuntarily transferred to the System from the Houston Municipal Employees System will receive service under this plan for years worked while serving as a City Marshall, Airport Police or Park Police.</p>
Contributions	
Employee Contributions	<p>Prior to December 1, 1998, each participant contributes 8.75% of base salary. After December 1, 1998, each participant contributes 8.75% of average total direct pay less overtime.</p>
Refunds	<p>Refunds of contributions are made if</p> <ul style="list-style-type: none"><li>(i) The participant dies before 10 years of service and the death is not duty-connected,</li><li>(ii) The participant dies with no eligible survivor,</li><li>(iii) A Plan 1 or 2 participant leaves service before eligibility for retirement after completing 5 years of service, or</li><li>(iv) A Plan 3 participant leaves service with less than 20 years of service.</li></ul> <p>Contributions are refunded without interest.</p>

## Summary of Plan Provisions (cont.)

### Employer Contribution

The city will follow the following contribution schedule:

Fiscal Year Ending (June 30)	City Contribution Amount
2001	\$ 30,645,000
2002	32,645,000
2003	34,645,000
2004	36,645,000
2005	16% of pay

For fiscal years ending after June 30, 2005 the City will contribute the greater of:

- (i) 16% of pay
- (ii) The actuarially determined rate.

Changes in Plan Provisions from July 1, 2000 to July 1, 2001 Valuation Dates

Eliminated service eligibility requirement for off-duty and survivor benefits.

Increased off-duty disability and survivor benefit to 2.75% of final compensation times service up to 20 years (minimum 27.5%).

Proportionate members injured while on duty as a municipal worker will receive immediate off-duty benefit upon Board approval.

Added an education allowance for up to four years for off-duty and duty-related disability retirement equal to 100% of final compensation less the disability benefit payable.

Added a "back DROP" option for current active and DROP members.

Increased monthly retiree insurance stipend from \$88.05 to \$150.00 per month.

Increased benefit accruals for service less than or equal to 20 years from 50% of final compensation to 55% of final compensation. Benefit increases to retirees exclude COLA adjustment.

Reset city contribution schedule.

The monthly benefit for DROP members will be recalculated at retirement to be the greater of

- (i) The current monthly benefit or
- (ii) Recalculated benefit based on service at DROP entry and Total Direct Pay at retirement.

Changed the interest rate earned on PROP accounts from the 30-year treasury rate to the 5-year average return earned by the Pension System. The credit rate for both DROP and PROP will be greater than or equal 0.0%.

Members who have service credit in more than one City of Houston Pension Plan may use their combined service to qualify for DROP participation.

## Summary of Plan Provisions (cont.)

Members involuntarily transferred to the System from the Houston Municipal Employees System will receive service under this plan for years worked while serving as a City Marshall, Airport Police or Park Police.

Changed the definition of Total Direct Pay from the average of the last 26 pay periods to the highest bi-weekly pay period during the last 26 pay periods, annualized. Also, include motorcycle allowance in definition of Total Direct Pay.

Changes in Plan Provisions from July 1, 2001 to July 1, 2002

The plan provisions were not changed.

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SECTION FIVE  
**STATISTICAL SECTION**

STATISTICAL SECTION

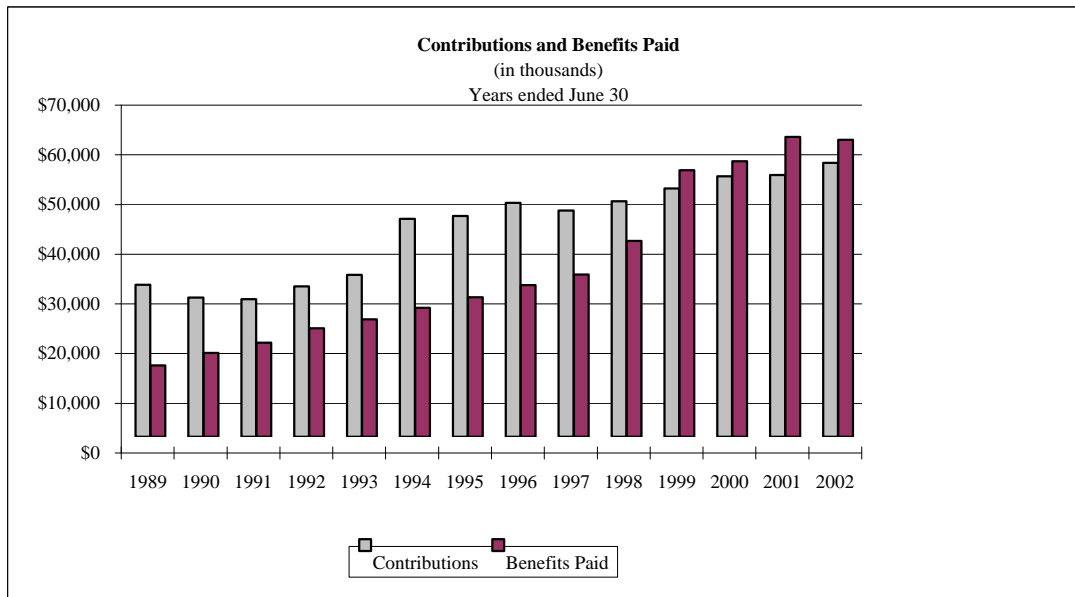
Schedule of Revenue by Source and Expenses by Type

(000's)

For years ended June 30

Fiscal Year	Member Contributions	City Contributions	Investment Income (Loss)	Total Additions (Deductions)	Benefits Paid	Administrative Expenses	Refunds	Total Deductions	Net Increase (Decrease)
1989	\$ 9,600	\$ 20,983	\$ 29,186	\$ 59,769	\$ 14,331	\$ 231	\$ 1,365	\$ 15,927	\$ 43,842
1990	9,522	18,480	55,430	83,432	16,842	187	1,421	18,450	64,982
1991	9,830	17,857	33,358	61,045	18,948	266	883	20,097	40,948
1992	10,652	19,623	66,739	97,014	21,851	235	880	22,966	74,048
1993	11,404	21,156	73,011	105,571	23,608	292	410	24,310	81,261
1994	13,895	29,980	12,362	56,237	25,961	619	629	27,209	29,028
1995	14,498	29,929	111,194	155,621	28,061	885	744	29,690	125,931
1996	15,533	31,562	186,111	233,206	30,552	886	829	32,267	200,939
1997	16,012	29,503	216,567	262,082	32,676	1,272	946	34,894	227,188
1998	16,832	30,564	214,448	261,844	39,440	1,166	986	41,592	220,252
1999	19,347	30,645	251,412	301,404	53,626	1,678	1,127	56,431	244,973
2000	21,761	30,645	292,603	345,009	55,421	2,216	1,545	59,182	285,827
2001	22,043	30,645	(80,232)	(27,344)	60,328	2,854	884	64,066	(91,410)
2002	22,484	32,645	(185,372)	(130,243)	59,783	3,311	1,194	64,288	(194,531)

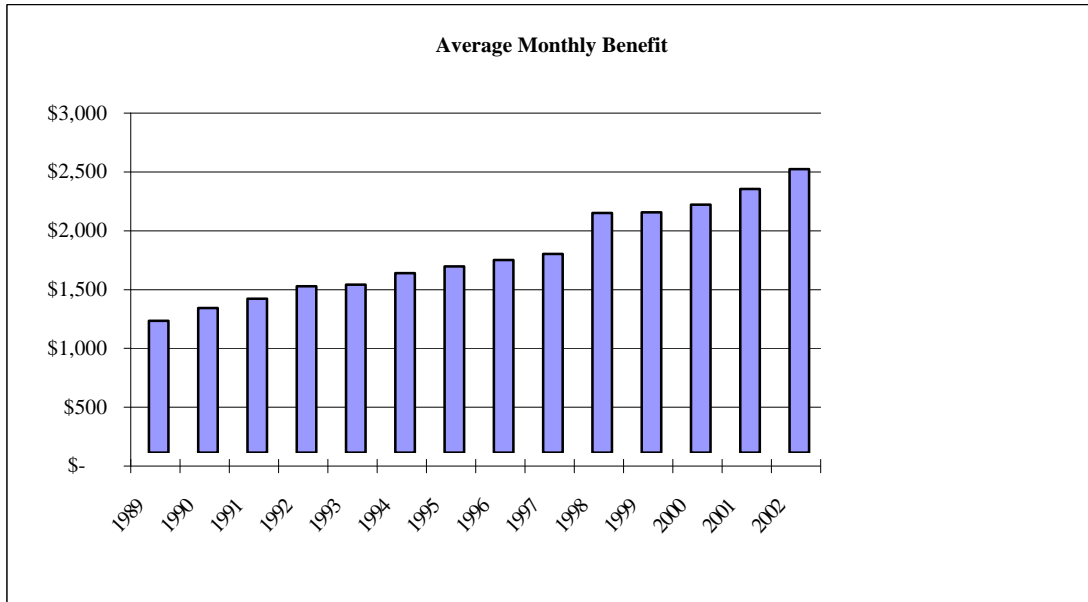
Effective July 1, 1994 the System adopted GASB 25 which requires that the net appreciation or depreciation in the fair value of investments be reported as a component of investment income. Prior to adoption of GASB 25, investment income included only realized gains and losses from investments. GASB 25 also requires that investment expenses be reported as a deduction from investment income rather than as a separate component of expense. Information in the schedule above for years prior to 1994 have not been restated for the effect of the previously unrecognized unrealized gains and losses. These years prior to 1994 have, however, been restated to conform with GASB 25 presentation for the effect of each years' investment expenses.



STATISTICAL SECTION

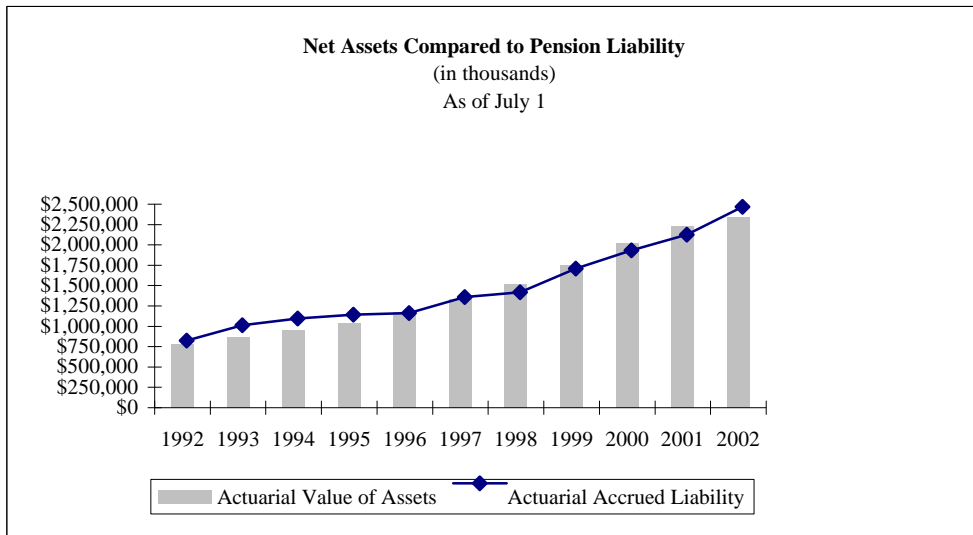
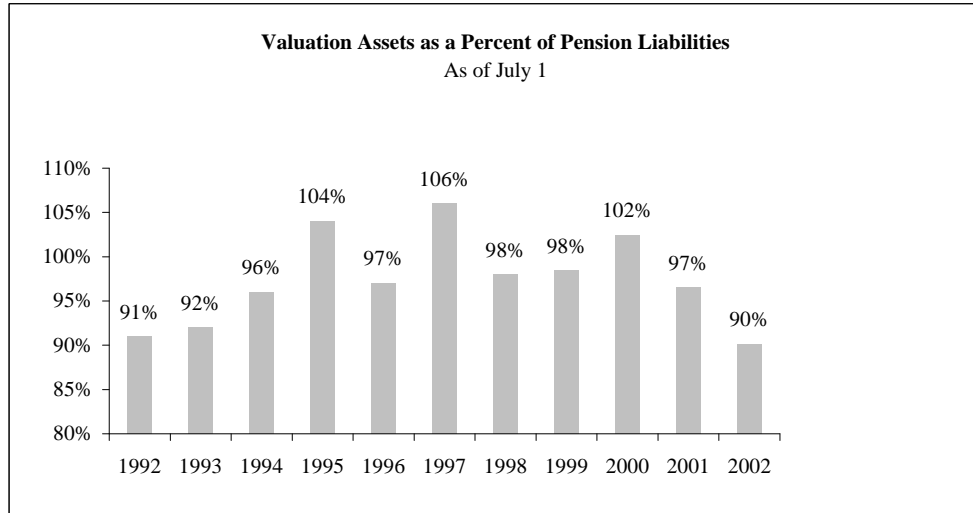
**Average Monthly Benefit**  
*Years Ended June 30,*

Year	Retirees and Beneficiaries at Year End	Total Benefits Paid	DROP Distributions	PROP Distributions	Average Monthly Benefit
1989	1,065	\$ 14,330,638	-		\$ 1,121
1990	1,141	16,841,907	-		1,230
1991	1,206	18,948,267	-		1,309
1992	1,288	21,851,259	-		1,414
1993	1,377	23,607,919	-		1,429
1994	1,419	25,960,618	-		1,525
1995	1,478	28,061,493	-		1,582
1996	1,548	30,415,628	136,791		1,637
1997	1,582	32,042,856	633,520		1,688
1998	1,614	39,440,091	1,801,464		2,036
1999	1,658	48,676,297	4,948,733		2,043 *
2000	1,723	47,401,683	8,019,553		2,108 *
2001	1,786	51,864,507	8,366,211	97,000	2,242 *
2002	1,864	54,172,009	4,262,647	1,348,270	2,410 *



\* The Average Monthly Benefit has been computed by deducting, from Total Benefits Paid, the amounts attributable to the \$5,000 lump sum payments and the "13th" check, where applicable.

**STATISTICAL SECTION**





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**STATISTICAL SECTION****Pensions Awarded by Type and by Age***Year Ended June 30, 2002*

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Age on June 30,	Total	Type of Pension		
		Service	Disability	Survivor
Under 40	4	-	3	1
40-44	16	11	1	4
45-49	29	16	2	11
50-54	11	11	-	-
55-59	24	21	2	1
60-64	15	11	-	4
65-69	8	3	-	5
70-74	6	1	-	5
75 and over	10	-	-	10
<b>Total</b>	<b>123</b>	<b>74</b>	<b>8</b>	<b>41</b>

**Pensions in Force by Type and by Age***June 30, 2002*

---

Age on June 30,	Total	Type of Pension		
		Service	Disability	Survivor
Under 40	30	1	5	24
40-44	50	18	16	16
45-49	119	90	9	20
50-54	280	233	11	36
55-59	323	272	8	43
60-64	279	220	5	54
65-69	305	242	5	58
70-74	212	154	1	57
75-79	158	88	1	69
80-84	73	23	3	47
85 and over	35	7	-	28
<b>Total</b>	<b>1,864</b>	<b>1,348</b>	<b>64</b>	<b>452</b>

**Pensions Awarded by Type and by Monthly Amount***Year Ended June 30, 2002*

---

Monthly Amount	Total	Type of Pension		
		Service	Disability	Survivor
Under \$1000	6	6	-	-
\$1,000-1,500	9	-	3	6
\$1,500-2,000	13	-	3	10
\$2,000-2,500	41	26	1	14
\$2,500-3,000	32	30	-	2
\$3,000 and over	22	12	1	9
<b>Total</b>	<b>123</b>	<b>74</b>	<b>8</b>	<b>41</b>

**STATISTICAL SECTION**

**Benefit Expenses by Type**

(dollars in thousands)

Years ended June 30,

Year	Service				DROP		PROP	Total
	Retirement	Disability	Survivor	Children	Distributions	Distributions	Distributions	Benefits Paid
<b>1998</b>	\$ 28,811	\$ 1,237	\$ 7,550	\$ 41	\$ 1,801			\$ 39,440
<b>1999</b>	39,057	997	8,555	68	4,949			53,626
<b>2000</b>	36,984	1,179	9,149	89	8,020			55,421
<b>2001</b>	38,078	1,608	12,077	102	8,366	97		60,328
<b>2002</b>	40,510	1,869	11,695	98	4,263	1,348		59,783

**DROP Activity**

(dollars in thousands)

Years ended June 30

Year	DROP Accounts			DROP Participants		
	Accumulations	Distributions	Total	Entrants	Withdrawals	Total
<b>1998</b>	\$ 31,751	\$ (1,801)	\$ 65,625	133	(31)	1,007
<b>1999</b>	40,262	(4,949)	100,938	115	(56)	1,066
<b>2000</b>	51,892	(8,020)	144,810	179	(56)	1,189
<b>2001</b>	104,753	(8,366)	241,197	155	(52)	1,292
<b>2002</b>	72,527	(4,263)	309,461	210	(73)	1,429

Note: DROP Activity data for 2001 has been restated for the effect of the recalculation of DROP accounts pursuant to the 2001 Meet and Confer Agreement with the City of Houston.

**PROP Activity**

(dollars in thousands)

Years ended June 30

Year	PROP Accounts			PROP Participants		
	Accumulations	Distributions	Total	Entrants	Withdrawals	Total
<b>2000</b>	385	-	385	7	-	7
<b>2001</b>	918	(97)	1,206	7	-	14
<b>2002</b>	14,935	(1,348)	14,793	94	(1)	107