# Austin Police Retirement System \_\_\_\_\_



# ANNUAL REPORT 2002

# AUSTIN

# POLICE RETIREMENT

# SYSTEM

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# 2002 ANNUAL REPORT AND MEMBERS BENEFIT GUIDE

# DECEMBER 31, 2002

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#### POLICE RETIREMENT SYSTEM BOARD OF TRUSTEES

Police Member	Sgt. Peter Morin Chairman
Police Member	Det. Catherine Haggerty Vice Chairperson
Police Member	Lt. Michael Jung
Police Member	Lt. Cathy Ellison
Police Member	Sgt. Sean Mannix
Retired Police Member	Kendall Thomas
Retired Police Member	John Ross
Citizen Member	Chesley Wood
City Member	Art Alfaro Financial Services Office
City Member	Vanessa Downey-Little City Managers Office
City Member	Danny Thomas Councilman

#### PENSION OFFICE STAFF

Sampson (Sam) K. Jordan-Administrator Stephanie Schkade Willie-Assistant Administrator

Jeremy Woodard-Accountant

Barbara Pantano-Secretary

# CUSTODIAN BANK

The Northern Trust Company Chicago, Illinois

#### INVESTMENT CONSULTANT & PERFORMANCE EVALUATION

The Monroe Vos Consulting Group Houston, Texas

#### ACTUARY

Rudd & Wisdom, Inc. Austin, Texas

#### AUDITOR

Montemayor & Associates, CPA Austin, Texas

#### LEGAL COUNSEL

Kendall & Osborne Austin, Texas

Clark, Thomas & Winters, P.C. Austin, Texas

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#### INVESTMENT MANAGERS

#### Equity

Brandes Investments Partnership, Inc. San Diego, California

Crescendo Fund II Minneapolis, Minnesota

Davis, Hamilton, Jackson & Associates Houston, Texas

Eubel, Brady & Suttman Asset Management Dayton, Ohio

Navellier & Associates Management Reno, Nevada

Nicholas Applegate Management San Diego, California

Private Capital Management Naples, Florida

#### Fixed Income

Ashmore Investment Management Greenwich, Connecticut

GMAC Institutional Advisors, LLC Alpharetta, Georgia

Hoisington Investment Management Austin, Texas

Pacific Investment Management Co. (PIMCO) Newport Beach, California

UBS-RII/World Timber Funds, Inc. West Lebanon, New Hampshire

Wachovia Bank, Evergreen Timberland Management Atlanta, Georgia

#### **INVESTMENT MANAGERS** (continued)

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#### Real Estate

C B Richard Ellis Strategic Partners, L.P. Los Angeles, California

Edison Investments, L.P. Wichita, Kansas

Lend Lease Real Estate Investments, L.P. Atlanta, Georgia

New Boston Fund, L.P. Boston, Massachusetts

Sentinel Real Estate, L.P. New York, New York



2002 ANNUAL REPORT LETTER TO MEMBERS

Dear Members,

The Board of Trustees of the Austin Police Retirement System is pleased to present our 2002 Annual Report.

As the December 31, 2002 year-ended, the Market value of the 'System' assets declined 5.8% to \$246 million from \$264 million, however at June 30, 2003 these same assets recovered their value and stood at \$269 million and were diversified across many asset classes. The progression of the United States into the international War on Terrorism, during the Fall of 2002 and Spring of 2003, demanded the Board become defensive investors (preserving capital) and in doing so pension assets were allocated into the following classes and stated percentage levels. Which has proven to be beneficial to our recovery. (International Equity at 10%, US Equity at 25%, Fixed Income and Timber funds at 45%, and Real Estate at 20%)

At our December 2002 Board Meeting, the Trustees approved a 1.5% cost of living adjustment for retirees and beneficiaries effective January 1, 2003 and a 2% interest rate for use in crediting interest on members' accumulated contributions.

There have been several developments in the investment world since the first of the year worthy of mentioning, such as the Stock Market rebound, end of a three year Recession, with positive Economic Growth Indexes. However, one the greatest news stories in 2003 happened in September here in Texas, when the voters overwhelmingly approved a Constitutional Amendment guaranteeing that police, fire and municipal employees "accrued" pension income benefits cannot be reduced or impaired for any reason. Texas now provides pension protection for the many hard working police, fire and municipal employees families that other states enjoy and so rightly deserve.

As of June 30, 2003 there were 1344 police officers and cadets who were members of the 'System.' There were 309 retired police officers and beneficiaries of police officers receiving monthly benefits and 9 vested members entitled to future benefits but not yet receiving them.

The Board of Trustees continues to work hard to ensure police pension participants and beneficiaries have a financially and actuarially sound retirement during these challenging times.

Your comments and suggestions will always be appreciated.

Pension Office 2520 S. IH 35, Ste. 205 Austin, Texas 78704 512/416-7672 FAX 512/416-7138

Mailing Address PO. Box 41089 Austin, Texas 78704

Sincer Peter Morin

Chairman, Board of Trustees Austin Police Retirement System

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CITY OF AUSTIN POLICE RETIREMENT SYSTEM

#### FINANCIAL STATEMENTS WITH SUPPLEMENTARY INFORMATION AND INDEPENDENT AUDITOR'S REPORT

DECEMBER 31, 2002 AND 2001

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Montemayor & Associates, P.C. CERTIFIED PUBLIC ACCOUNTANTS

Board of Trustees The City of Austin Police Retirement System

#### INDEPENDENT AUDITOR'S REPORT

We have audited the accompanying statement of net assets held in trust available for pension benefits of the City of Austin Police Retirement System (System) as of December 31, 2002 and 2001 and the related statement of changes in net assets held in trust available for pension benefits for the year ended December 31, 2002. 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 audit in accordance with U.S. generally accepted auditing standards. 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 provides a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial status of the System as of December 31, 2002 and 2001 and the changes in its financial status for the year ended December 31, 2002 in conformity with U.S. generally accepted accounting principles.

The supplementary schedules and information on pages 10 and 11 are not a required part of the basic financial statements of the System, but are 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 supplemental information. However, we did not audit this information and express no opinion on it.

Wantemargen & Associates, P.C.

9 May 2003, except Note 8 which is dated 22 September 2003 Austin, Texas

> 247 SOUTH CONGRESS AVESUE SPATE A-300 ABSTIN, TEXAS 28704 PHONE 542 \*\*2,0860 PAX 312.442.0817 am5g montemayor.biz

#### STATEMENT OF NET ASSETS HELD IN TRUST AVAILABLE FOR PENSION BENEFITS

#### DECEMBER 31, 2002 AND 2001

ASSETS	2002	2001
Investments, at fair value		
Corporate stocks	\$67,772,588	\$105,806,557
Real estate interests	50,211,339	42,177,893
U.S. Government securities	39,554,070	28,926,494
International stocks	30,626,335	51,736,728
Short-term investment funds	22,486,048	13,747,879
Government bonds (PIMCO)	15,291,769	0
International government securities	13,016,363	10,867,246
Partnership interests	5,904,685	6,631,912
Corporate bonds	1,932,328	<u>2,576,526</u>
Total investments	246,795,525	262,471,235
Cash	49,775	163,075
Interest and dividends receivable	1,259,524	1,058,419
Employer contributions receivable	623,520	262,797
Employee contributions receivable	311,760	525,794
Fixed assets	470,870	493,097
Other	7.781	4,052
Total assets	249,518,755	264,978,469
LIABILITIES		
Accounts payable and accrued liabilities	376,437	478,563
Refunds payable	157,685	47.231
Total liabilities	534,122	<u>525.794</u>
NET ASSETS HELD IN TRUST AVAILABLE FOR PENSION BENEFITS	<u>\$248,984.633</u>	<u>\$264.452.675</u>

The accompanying notes are an integral part of this financial statement presentation.

#### STATEMENT OF CHANGES IN NET ASSETS HELD IN TRUST AVAILABLE FOR PENSION BENEFITS

#### YEAR ENDED DECEMBER 31, 2002

#### ADDITIONS TO NET ASSETS AVAILABLE FOR BENEFITS:

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Contributions:	
Employer contributions	\$12,566,293
Employee contributions	7.348.110
	<u>19,914,403</u>
Investment income (loss):	
Net depreciation in plan investments	(15,748,184)
Realized loss on investments	(10,496,956)
Interest and dividends	7,334,093
Securities lending	165,812
Total investment loss before expenses	(18,745,235)
Investment expenses	(1.451.619)
Net loss from investments	(20,196,854)
	(282,451)
DEDUCTIONS FROM NET ASSETS AVAILABLE FOR BENEFITS:	
Benefit payments	13,787,549
Contributions refunded to terminating employees	718,111
General and administrative expenses	<u>679,931</u>
	15,185,591
NET DECREASE IN NET ASSETS AVAILABLE FOR BENEFITS	(15,468,042)
Beginning net assets available for benefits	264,452,675
ENDING NET ASSETS AVAILABLE FOR BENEFITS	<u>\$248.984.633</u>

The accompanying notes are an integral part of this financial statement presentation.

#### NOTES TO FINANCIAL STATEMENTS

#### YEAR ENDED DECEMBER 31, 2002

#### NOTE 1: PLAN DESCRIPTION

The Board of Trustees (Board) of the City of Austin Police Retirement System (System) is the administrator of a single-employer defined benefit pension plan. The System is considered part of the City of Austin's (City) financial reporting entity and is included in the City's financial reports as a pension trust fund.

The System was originally established in 1979 by a City Council ordinance. Effective August 1991, the System is governed by state law with plan amendments made by the Legislature of the State of Texas. The System provides retirement, death, disability and withdrawal benefits. Benefits vest after 10 years of credited service. Participants may retire at (a) age 55 with 20 years of service excluding any military service, (b) with 23 years of service excluding any military service, (b) with 23 years of service excluding any military service, (c) at age 62. The monthly benefit at retirement is payable as a life annuity (modified cash refund). As of December 31, 2002, the monthly benefit is equal to 3.00% of the highest 36-month average salary of the last 10 years, multiplied by years and months of service.

Effective September 1, 2001 the RETRO DROP provisions were changed to require that a participant must have 23 years of creditable service with the retirement system, excluding any military service credit, on the date the participant elects for the RETRO DROP benefit computation date. Further, the selection of RETRO DROP benefit computation date may be changed in the future by Board rule with approval by the System's actuary. Also effective September 1, 2001, changes were made allowing the eligibility requirement for Service Retirement to be changed in the future by rule of the System's Board with approval by the System's actuary, except, the age 62 minimum eligibility regardless of services could be changed.

On September 1, 2001, a Post Retirement Option Plan (PROP) introduced an option allowing for participant's to elect to receive partial payments from the RETRO DROP lump sum account. The participant can also elect to delay payment of entire RETRO DROP lump sum. Interest credits will be paid on the participant's RETRO DROP lump sum account following the participant's retirement until the entire lump sum is paid. The interest credits will be granted an annual rate determined from time to time by Board rule.

Distributions to officers or their beneficiaries are also available in the event of total and permanent disability, provided the officer has completed 10 years of service or the injury was sustained during the performance of employment duties, or upon death. The terms of benefit payments are determined by certain elections made by the officer, their level of earnings and length of service. Payments to officers or their beneficiaries may be increased annually on an ad hoc basis by the amount of increase in the Consumer Price Index, limited to 6% per year, and subject to the approval of the Board and the actuary.

#### NOTES TO FINANCIAL STATEMENTS

#### YEAR ENDED DECEMBER 31, 2002

#### NOTE 1: PLAN DESCRIPTION (Continued)

Participating members in the System include full-time police officers and cadets employed by the police department of the City and employees of the System. The following membership status of the System was reflected in the actuarial valuation as of December 31, 2002:

Retirees and beneficiaries currently receiving benefits (303) and terminated employees entitled to benefits bu	
not yet receiving them (9)	312
Current employees	1.364
Total	<u>1.676</u>

#### NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

#### BASIS OF ACCOUNTING

The System's financial statements are prepared using the accrual basis of accounting under which expenses are recorded when the liability is incurred, revenues are recorded in the accounting period in which they are earned and become measurable, and investment purchases and sales are recorded as of their trade date. Contributions are recognized as revenues in the period in which the related employees's payroll is earned. Benefits and refunds are recognized when due and payable in accordance with the terms of the plan.

#### **ESTIMATES**

The preparation of financial statements in conformity with U.S. generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of additions and deductions to net assets held in trust available for pensions benefit during the reporting period. Actual results could differ from those estimates.

#### METHOD USED TO VALUE INVESTMENTS

The System's investments are reported at fair value. Securities traded on a national or international exchange are valued at the last reported sales price at current exchange rates. Investments that do not have an established market are reported at estimated fair value. Investment income is recognized in the period earned and purchased and sales of investments are recorded on a trade-date basis. Net appreciation (depreciation) in plan investments includes both realized and unrealized gains and losses.

#### NOTES TO FINANCIAL STATEMENTS

#### YEAR ENDED DECEMBER 31, 2002

#### NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

#### CONTRIBUTIONS RECEIVABLE

The final biweekly payroll contributions of employees for the year ended December 31, 2002 and the City's related contributions were not deposited in the System by year end and are shown as contributions receivable.

#### SYSTEM EXPENSES

All System administrative costs are the responsibility of the System and are financed through investment earnings.

#### NOTE 3: FEDERAL INCOME TAXES

The System is a Public Employee Retirement System and is exempt from Federal income taxes. A favorable determination letter from the Internal Revenue Service was issued on September 27, 1997.

#### NOTE 4: FIXED ASSETS

Fixed assets are recorded at cost. Depreciation is computed using the straight-line method over the asset's estimated useful life of 30 years for the building and 5 to 7 years for furniture and equipment. Fixed asset activity for the year ended December 31, 2002 consisted of:

	1-1-2002	Additions	Deletions	12-31-2002
Land	\$150,000	\$0	<b>\$</b> 0	\$150,000
Buildings and improvements	457,955	0	0	457,955
Furniture and equipment	228,533	20,950	0	249,483
Leasehold improvements	48,491	0	0	48,491
Accumulated depreciation	(391,882)	(43,177)	<u>0</u>	(435.059)
Net Fixed Assets	<u>\$493,097</u>	<u>(\$22.227)</u>	<u>\$0</u>	<u>\$470,870</u>

#### NOTE 5: INVESTMENTS

The System is authorized as an independent, defined benefit plan as described in Article 6243n-1, Vernon's Annotated Texas Civil Statutes, that was signed into law on June 11, 1991. The Board is the trustee of System funds and has the power to invest and reinvest such funds in instruments or investments the Board considers prudent in accordance with the System's investment policy.

#### NOTES TO FINANCIAL STATEMENTS

#### YEAR ENDED DECEMBER 31, 2002

#### NOTE 5: INVESTMENTS (Continued)

The System's investments are categorized to give an indication of the level of risk assumed by the System at year end. Category 1 includes investments that are insured or registered, or for which the securities are held by the System's agent in the System's name. Category 2 includes uninsured and unregistered investments for which the securities are held by the counter party's trust department or agent in the System's name. Category 3 includes uninsured and unregistered investments for which the securities are held by the System's name. Category 3 includes uninsured and unregistered investments for which the securities are held by the broker or dealer, or by the System's agent, but not in the System's name. All System investments are considered to be Category 1 investments.

Included in net depreciation in plan investments is net appreciation (depreciation) in the fair value of investments held at December 31:

Securities traded on a national or international exchange:	2002	2001
U.S. Government securities	\$4,559,253	(\$626,768)
International government securities	1,156,379	314,673
Short-term investment funds	0	316,593
Corporate stocks	(12,122,496)	(7,429,394)
International investments	(9,250,671)	(12,588,394)
Government bonds	(270,896)	0
Corporate bonds	(30,743)	822,535
Investments reported at fair value:		
Real estate interests	902,563	905,822
Partnerships interests	(691,573)	(3,466,587)
Total	<u>(\$15,748,184)</u>	<u>(\$21,751,520)</u>

All investments and securities on Ioan (Note 7) represent securities that are either insured, registered, or are held by the System's agent in the System's name. As of December 31, 2002 and 2001, there were no investments (other than U.S. Government issued or guaranteed obligations) in any one organization that represents 5% or more of net assets available for benefits.

#### NOTES TO FINANCIAL STATEMENTS

#### YEAR ENDED DECEMBER 31, 2002

#### NOTE 6: CONTRIBUTIONS

The System is funded by biweekly contributions from the basic compensation, consisting of base pay and longevity pay of police officers, and by contributions from the City. Under the provisions in effect on December 31, 2002, participants are required to contribute 9% of their basis compensation to the System. The City is required to make contributions equal to 18% of basic compensation.

The City contribution rate is required by the state law governing the System as of December 31, 2002 and may be amended by the Legislature of the State of Texas. The participant contribution rate must be at least 6% but was increased to 9%, effective October 1993, by a recommendation of the Retirement Board and an approving vote of the participating employees in accordance with the state law governing the System. The participant contribution rate may be amended by the Legislature of the State of Texas or by appropriate actions of the Retirement Board and the participating employees in accordance with the state law governing the System.

While contribution requirements are not actuarially determined, state law requires that each plan of benefits adopted by the System must be approved by a qualified actuary. The actuary certifies that the contribution commitment by the police officers and the City provides an adequate financing arrangement. Using the entry age actuarial cost method, the System's normal cost is determined as a percentage of payroll. The excess of the total contribution rate over the normal cost rate is used to amortize the System's unfunded actuarial accrued liability. The number of years needed to amortize the System's unfunded actuarial accrued liability is determined using an open, level percentage of payroll method. Based on the actuarial valuation as of December 31, 2002 and the System provisions effective September 1, 2003, the normal cost was 20.11% of pay and the amortization period was 25.7 years.

#### NOTE 7: SECURITIES ON LOAN

The System participates in a securities lending program sponsored by its custodian (The Northern Trust Company) under which, for an agreed-upon fee, System owned investments are lent to a borrowing financial institution. Under this agreement the borrowed securities are ultimately returned to the System. As of December 31, 2002 and 2001, \$53,531,845 and \$556,052,566 respectively, of the System-owned investments were in possession of a borrowing financial institution.

Securities are loaned versus collateral that may include cash, U.S. government securities and irrevocable letters of credit. U.S. securities are loaned versus collateral valued at 102% of the market value of the securities plus any accrued interest. Non-U.S. securities are loaned versus collateral valued at 105% of the market value of the securities plus any accrued interest.

#### NOTES TO FINANCIAL STATEMENTS

#### YEAR ENDED DECEMBER 31, 2002

#### NOTE 7: SECURITIES ON LOAN (Continued)

Non-cash collateral cannot be pledged or sold unless the borrower defaults. All securities loans can be terminated on demand by either the lender or the borrower, although the average number of days that the System securities were borrowed was approximately 104 days as of December 31, 2002.

Cash open collateral is invested in a short term investment pool, the Core USA Collateral Section, which had an average weighted maturity of 36 days as of this statement date. Cash collateral may also be invested separately in "term loans," in which case the investments match the loan term. These loans can be terminated on demand by either lender or borrower.

There were no significant violations of legal or contractual provisions, no borrower or lending agent default losses known to the securities lending agent. There are no dividends or coupon payments owing to the securities lent. Securities lending earnings are credited to the System's account on approximately the fifteenth day of the following month.

Indemnification deals with the situation in which a client's securities are not returned due to the insolvency of a borrower and Northern Trust has failed to live up to its contractual responsibilities relating to the lending of those securities. Northern Trust's responsibilities include performing appropriate borrower and collateral investment credit analyses, demanding adequate types and levels of collateral, and complying with applicable Department of Labor and Federal Financial Institutions Examination Council regulations concerning securities lending.

#### NOTE 8: SUBSEQUENT EVENTS

Effective September 1, 2003, a portion of the City's contribution will be allocated to the Retiree Death Benefit Fund. Accordingly as of this date, the \$7,500 post-retirement lump sum death benefit is payable from a separate Retiree Death Benefit Fund (account) administered by the System.

#### DISCLOSURES IN ACCORDANCE WITH GASB STATEMENT NO. 25 REQUIRED SUPPLEMENTARY INFORMATION

#### I. Schedule of Funding Progress (Unaudited)

Actuarial Valuation Date <sup>1</sup>	Actuarial Value of Assets (a)	Entry Age Actuarial Accrued Liability (AAL) (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Annual Covered Payroll <sup>2</sup> (c)	UAAL as a Percentage of Covered Payroll ((b-a)/c)
12/31/97 <sup>3,4</sup>	\$168,601,584	\$222,703,396	\$54,101,812	75.7%	\$47,188,812	114.6%
12/31/99 <sup>3.3</sup>	226,913,439	257,850,162	30,936,723	88.0	54,695,072	56.6
12/31/01 <sup>3,6</sup>	284,761,203	347,548,177	62,786,974	81.9	69,706,749	90.1
12/31/027	298,781,560	384,991,799	86,210,239	77.6	79,236,366	108.8

<sup>1</sup> Prior to actuarial valuations as of December 31, 2002, the System had biennial valuations.

 $^{2}$  The covered payroll is based on the annual rate of base pay and longevity pay as of the valuation date.

<sup>3</sup> Economic and demographic assumptions were revised.

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\* Reflects changes in plan benefit provisions effective September 1, 1997.

<sup>5</sup> Reflects changes in plan benefit provisions effective September 1, 1999.

<sup>6</sup> Reflects changes in plan benefit provisions effective September 1, 2001.

<sup>7</sup> Reflects changes in plan benefit provisions effective September 1, 2003.

#### II. Schedule of Employer Contributions (Unaudited)

	Annual Contribution		
Plan Year Ended December 31	As a Fixed Percentage of Payroll	Annual Required Contribution <sup>1</sup>	Percentage Contributed
1997	18%	\$6,952,258	100%
1998	18	8,254,861	100
1999	18	9,288,148	100
2000	18	10,046,065	100
2001	18	11,178,204	100
2002	18	12,566,293	100

The annual required contribution is based on actual covered payroll.

See independent auditor's report.

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#### DISCLOSURES IN ACCORDANCE WITH GASB STATEMENT NO. 25 REQUIRED SUPPLEMENT INFORMATION

#### III. Notes to 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 of the latest actuarial valuation follows.

Valuation date		December 31, 2002
Actuarial cost method		Entry Age
Amortization method		Level percentage of projected payroll, open
Remaining amortization p	eriod	25.7 years
Asset valuation method		Market value smoothed by a 5-year deferred recognition method with an 80%/120% corridor on market
Actuarial assumptions:		
- Investment rate of retuences, compounded	•	8.0%
<ul> <li>Projected salary increasing promotion and longeviation</li> </ul>		4.0% to 22.0% per year, averaging 6.8%
- Inflation rate per year		4.0%
<ul> <li>Post-retirement cost-o adjustments</li> </ul>	f-living	None

#### See independent auditor's report.

# AUSTIN POLICE RETIREMENT SYSTEM

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ACTUARIAL VALUATION AS OF DECEMBER 31, 2002

**SEPTEMBER 23, 2003** 

# Rudd and Wisdom, Inc.

#### CONSULTING ACTUARIES

9500 Arboretum Blvd., Suite 200 Austin, Texas 78759

> Post Office Box 204209 Austin, Texas 78720-4209

Phone: (\$12) 346-1590 Fax: (512) 345-7437 E-mail: rv@ruddwisdom.com J. Christopher McCaul, F.S.A. Edward A. Mire, F.S.A. Rebecca B. Morris, A.S.A. Michael J. Muth, F.S.A. Julie L. Normand, A.S.A. Robyn C. Richards, A.S.A. Ronald W. Tobleman, F.S.A. David G. Wilkes, F.S.A.

#### September 23, 2003

Police Retirement Board Austin Police Retirement System Post Office Box 684808 Austin, Texas 78768

Mitchell L. Bilbe, F.S.A.

Mark R. Fenlaw, F.S.A.

Carl L. Frammolino, F.S.A.

Philip S. Dial, F.S.A.

Joe C. Lupez, A.S.A.

Robert M. May, F.S.A.

Amanda L. Chipak, F.S.A.

Charles V. Faerber, F.S.A., A.C.A.S.

#### Rc: Actuarial Valuation as of December 31, 2002

Members of the Board of Trustees:

In accordance with the requirements of Article 6243n-1 in the state law which governs the Austin Police Retirement System, an actuarial valuation of the System as of December 31, 2002 has been completed.

The results of the December 31, 2002 actuarial valuation are described in the Summary section of the report. A comparison of the current valuation with the December 31, 2001 valuation is also discussed in this section. The comparative valuation balance sheets are shown in Exhibit 1. Exhibit 2 shows a fifteen-year projection of the growth of the System. Exhibits 3 through 6 summarize the System's assets and development of the actuarial value of assets. Data on both active and retired police officers is contained in Exhibits 7 through 11 with Exhibit 12 showing a historical comparison of the actuarial accrued liability for the active and retired officers.

A summary plan description based on the plan effective September 1, 2003 is included as Exhibit 13. The actuarial methods and assumptions are described in Exhibits 14 through 19, which include a description of assumption changes since the prior valuation. Exhibit 20 defines certain actuarial terms used in this report. Police Retirement Board Page 2 September 23, 2003

The disclosures required in accordance with Statement Number 25 of the Governmental Accounting Standards Board for the System's annual report are in Exhibit 21. The disclosures required in accordance with Statement Number 27 of the Governmental Accounting Standards Board for the City of Austin's financial statements are included in Exhibit 22.

Respectfully submitted,

Robert M. May

Robert M. May Fellow, Society of Actuaries Enrolled Actuary

Mark R. Fenlaw

Mark R. Fenlaw Fellow, Society of Actuaries Enrolled Actuary

Relecca B. Morris

Rebecca B. Morris Associate, Society of Actuaries Enrolled Actuary

RMM;MRF;RBM:bb

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#### Summary

#### Austin Police Retirement System Results of December 31, 2002 Valuation

The valuation balance sheet as of December 31, 2002, shown in Exhibit 1, reveals that the plan has an unfunded actuarial accrued liability of \$86,210,239. Total contributions of 27% of pay (9% by the police officers and 18% by the City of Austin) are contributed to the System each year. Effective September 1, 2003, a very small portion of the city contribution rate is allocated by the Board to a new Retiree Death Benefit Fund (account) within the System in order to fund the \$7,500 post-retirement lump sum death benefits.

The normal cost for the present benefits based on the plan provisions effective September 1, 2003 for each police officer is 20.11% of pay. Since total contributions on behalf of each police officer is more than the normal cost, the remaining portion can be used to amortize the plan's unfunded actuarial accrued liability. Assuming that the total payroll increases at the rate of 4% per year in future years attributable to general wage increases, the unfunded actuarial accrued liability will be amortized in 25.7 years.

The valuation balance sheets in Exhibit 1 compare the actuarial condition of the plan on December 31, 2002 with the condition on December 31, 2001. The valuation as of December 31, 2002 is based on the plan provisions effective on September 1, 2003 (summarized in Exhibit 13). This valuation does reflect the 1.5% ad hoc pensioner COLA granted January 1, 2003 but does not reflect any ad hoc pensioner COLAs which may be granted January 1, 2004 or annually thereafter. The results shown for the December 31, 2001 valuation include an adjustment to reflect the 1.5% ad hoc pensioner COLA granted effective January 1, 2003.

Between these two valuations, the unfunded actuarial accrued liability (UAAL) has increased by \$21,740,073 (from \$64,470,166 to \$86,210,239). The primary reasons for this change, which have partially offsetting effects, are as follows:

- 1. The rate of return, net of all expenses, on the market value of assets during 2002 is estimated at -7.8%. However, the actuarial value of assets used in the valuation and the determination of the amortization period is based on an adjusted market value, in particular, deferring recognition of large portions of the significant losses in 2001 and 2002. The rate of return on the actuarial value of assets, net of expenses, for 2002 is estimated at 3% compared to the assumed rate of return of 8%. Therefore, the actuarial value of assets as of December 31, 2002 is smaller than expected and caused an increase in the UAAL of approximately \$14,400,000 and caused an increase in the amortization period of approximately 7 years.
- 2. The compounded general wage increases for officers since the last valuation was approximately 8.1% (generally 3% on October 1, 2002 and 5% on April 1, 2003). Since the actuarially assumed general wage increase was 4%, the UAAL is approximately \$8,200,000 more than expected. Although the change in the UAAL is significant because the pay increases resulted in greater than expected projected benefit payments, the aggregate payroll also grew as a result of these pay increases.

Therefore more contributions will be made to the fund and the portion of the total contributions in excess of the normal cost percentage available to amortize the UAAL increases and partially offsets the increasing effect on the amortization period.

- 3. Total contributions in excess of those required to pay the annual normal cost decreased the UAAL approximately \$6,100,000.
- 4. Interest accumulation on the unfunded actuarial accrued liability during the one year period between the valuations had the effect of increasing the UAAL approximately \$5,200,000.
- 5. The December 31, 2002 valuation reflects the plan provisions as of September 1, 2003. Effective September 1, 2003, a separate Retiree Death Benefit Fund (account) is established within the System to fund the \$7,500 post- retirement lump sum death benefits. The exclusion of the liability for these lump sum death benefits from the valuation of the System's liability caused the UAAL to decrease by approximately \$900,000. The portion of the city's total contribution rate of 18% to fund these benefits from the separate account is 0.094%, leaving the remaining 17.906% for the remaining liabilities of the System.

The balance sheets in Exhibit 1 indicate that the number of years required to amortize the system's UAAL has increased from 19.6 years as of December 31, 2001 (reflecting the 1.5% COLA provided January 1, 2003) to 25.7 years as of December 31, 2002 reflecting plan provisions as of September 1, 2003. Since one year has passed since the last valuation, a one-year reduction in the amortization period to 18.6 years would be expected if the experience of the system had been exactly as anticipated. For the reasons described above, the System's UAAL increased more than expected causing an increase in the amortization period. Offsetting this increase was an aggregate payroll that increased more than expected (other than the larger salary increases than expected as described above in item 2) because more members are covered by the System than in the previous valuation. The number of members increased 6.8% (from 1,277 to 1,364). A larger than expected aggregate payroll results in more contributions being made to the System in excess of the normal cost contribution, and therefore, reduces the amortization period.

In summary, this valuation reveals that the actuarial value of assets plus future investment income received by the System and future contributions that will be provided by the members and the City of Austin will be adequate to pay the benefits provided by the state law governing the System as of December 31, 2002. In order for the System to have an adequate financing arrangement, contributions must be made that are sufficient to pay for the System's normal cost and amortize its unfunded actuarial accrued liability over an acceptable period of time. Based on the Texas State Pension Review Board guidelines and the actuarial assumptions and cost methods used in this valuation, periods of 25 years to 30 years are preferable and 40 years is the maximum.

The total contributions to the System are sufficient to pay for the System's normal cost and provide an additional amount that will result in amortization of the unfunded actuarial accrued liability in 25.7 years. In addition, we believe that it is appropriate to assume that

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the police officers and the City will be able to maintain their commitment in future years to contribute 9% and 18%, respectively, of compensation into the System. Consequently, we are of the opinion that the System has an adequate financing arrangement based on the actuarial value of assets used in this valuation.

## **Retiree Death Benefit Fund**

The statute effective September 1, 2003 established a Retiree Death Benefit Fund. This fund is a separate account within the System, administered by the System, to fund \$7,500 post-retirement lump sum death benefits. The Retiree Death Benefit Fund will be funded by a portion of the city's total contribution rate of 18%. As part of this December 31, 2002 actuarial valuation, the city contribution needed for the Retiree Death Benefit Fund effective September 1, 2003 is 0.094%. The remaining 17.906% (18% less 0.094%) of the city's contribution will be used for the System's liabilities excluding the post-retirement lump sum death benefits. The 0.094% city contribution rate is comprised of the normal cost percentage plus an additional amount to amortize the unfunded actuarial accrued liability for only the \$7,500 post-retirement lump sum death benefits over 30 years as shown below. The amortization of this unfunded liability is determined as a level percentage of payroll assuming that the payroll will increase 4% per year.

Allocated City Contribution Effective September 1, 2003 for the Retiree Death Benefit Fund						
Normal Cost	0.065%					
Thirty-Year Amortization of Unfunded Actuarial Accrued Liability	0.029					
Total City Contribution Rate Allocated to						
the Retiree Death Benefit Fund as of September 1, 2003	0.094%					

The 0.094% city contribution rate was determined using the same funding method and actuarial assumptions used in this December 31, 2002 actuarial valuation for the System. In particular, the Entry Age Actuarial Cost Method is used with the normal cost determined as a level percentage of payroll. The UP-1994 Male and Female Mortality Table is used with no age adjustments or projections. The following is a summary of the actuarial valuation results of the liabilities for the \$7,500 post-retirement lump sum death benefits.

Actuarial Valuation Results of the Retiree Death Benefit Fund as of December 31, 2002							
<ol> <li>Actuarial Present Value of Future Benefits         <ul> <li>Current pensioners</li> <li>Current active members</li> </ul> </li> </ol>	S	534,422 598,393					
<ul> <li>c. Total</li> <li>2. Actuarial Accrued Liability (Currently Unfunded)</li> </ul>	\$	1,132,815 896,796					

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#### Austin Police Retirement System Actuarial Valuation Balance Sheets

		December 31, 2002 <sup>1</sup>	December 31, $2001^2$
1.	Actuarial present value of future benefits		
	a. Payable to those now receiving benefits		
	or entitled to receive benefits	\$137,524,996	\$127,914,809
	b. Payable to active members	<u>427,456,048</u>	376,344,984
	c. Total	\$ 564,981,044	\$ 504,259,793
2.	Actuarial present value of future normal		
	cost contributions	\$ 179,989,245	\$155,028,424
3.	Actuarial accrued liability (Item 1c-Item 2)	\$384,991,799	\$349,231,369
4.	Actuarial value of assets	\$298,781,560	\$284,761,203
5.	Unfunded actuarial accrued liability (UAAL) (Item 3-Item 4)	\$ 86,210,239	\$ 64,470,166
6	Total contributions (percent of payroll) <sup>3</sup>	26.906%	27.000%
	Normal cost (percent of payroll)	20.110%	20.148%
	Percent of payroll available to amortize	ann an tha an	
0.	the UAAL	6.796%	6.852%
9.	Annualized covered payroll	\$ 79,236,366	\$ 69,706,749
	Present annual amount available to	· · · · · · · · · · · · · · · · · · ·	
	amortize the UAAL	\$ 5,384,903	\$ 4,776,306
11.	Years to amortize the UAAL	25.7 Years	19.6 Years
			. *

<sup>1</sup> Reflects plan provisions effective September 1, 2003 and excludes the \$7,500 post-retirement lump sum death benefit.

<sup>2</sup> Adjusted valuation results as of December 31, 2001 to reflect the 1.5% COLA for pensioners effective January 1, 2003.

<sup>3</sup> For the December 31, 2002 valuation, the total contribution rate of 27% (9% by members and 18% by the city) is reduced by the city contribution of 0.094% for the separate Retiree Death Benefit Fund to provide the \$7,500 post-retirement lump sum death benefits.

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				Austin Police Res irty-Year Projecti	irement System on of Present Plan				
Year	Fund at Beginning of Year	Contributions by City and <u>Employees</u>	Net Investment Income	Monthly Bencht Payments & Refunds	Estimated RETRO DROP Lump Sums	Fund ot End of Year	Ratio of Fund to <u>Payments</u>	Increase in Fu Amount	ul for Year Percent
1998 S 1999 2000 2001 2002	185,937,209 209,551,677 250,876,441 273,471,014 264,452,675	\$ 12,664,793 \$ 14,048,633 15,336,155 16,914,200 19,914,403	20,063,218 \$ 36,935,854 19,199,820 -12,710,942 -20,876,785	8,233,738 \$ 9,221,426 9,894,431 11,769,207 13,074,962	a construction of the second se	209,551,677 250,876,441 273,471,014 264,452,675 248,984,633	22.99 \$ 25.97 22.90 20.00 17.16		12.70 % 19.72 9.01 -3.30 -5.85
2003	248,984,633	21,319,337	19,960,755	16,021,338	4,248,389	269,994,998	13.32	21,010,365	8.44
2004	269,994,998	22,172,110	21,627,455	17,894,867	3,580,868	292,318,828	13.61	22,323,830	8.27
2005	292,318,828	23,058,994	23,380,187	19,734,237	3,457,743	315,566,029	13.61	23,247,201	7.95
2006	315,566,029	23,981,354	25,211,121	21,515,794	3,319,587	339,923,123	13.69	24,357,094	7.72
2007	339,923,123	24,940,608	27,145,866	23,121,582	3,018,610	365,869,405	14.00	25,946,282	7.63
2008	365,869,405	25,938,232	29,196,541	24,794,457	2,969,058	393,240,663	14.16	27,371,258	7.48
2009	393,240,663	26,975,761	31,339,418	26,776,631	3,194,998	421,584,213	14.07	28,343,550	7.21
2010	421,584,213	28,054,791	33,541,739	28,998,873	3,680,870	450,501,000	13.79	28,916,787	6.86
2011	450,501,000	29,176,983	35,775,415	31,345,553	4,448,057	479,659,788	13.40	29,158,788	6.47
2012	479,659,788	30,344,062	38,058,114	33,546,897	4,663,900	509,851,167	13.34	30,191,379	6.29
2013	509,851,167	31,557,824	40,439,972	35,621,641	4,639,218	541,588,104	13.45	31,736,937	6.22
2014	541,588,104	32,820,137	42,987,040	37,491,573	3,828,779	576,074,929	13.94	34,486,825	6.37
2015	576,074,929	34,132,942	45,728,371	39,526,866	3,546,670	612,862,706	14.23	36,787,777	6.39
2016	612,862,706	35,498,260	48,639,674	41,669,587	3,562,239	651,768,814	14.41	38,906,108	6.35
2017	651,768,814	36,918,190	51,684,334	44,088,264	4,259,201	692,023,873	14.31	40,255,059	6.18
2018	692,023,873	38,394,918	54,821,125	46,997,187	4,917,358	733,325,371	14.13	41,301,498	5,97
2019	733,325,371	39,930,715	58,008,912	50,438,006	5,920,655	774,906,337	13.75	41,580,966	5.67
2020	774,906,337	41,527,944	61,208,836	54,306,439	6,812,032	816,524,696	13.36	41,618,359	5.37
2021	816,524,696	43,189,062	64,408,088	58,619,867	7,416,386	858,085,593	12.99	41,560,897	5.09
2022	858,085,593	44,916,624	67,559,596	63,692,374	8,405,525	898,463,914	12.46	40,378,321	4.71
2023	898,463,914	46,713,289	70,608,534	68,951,641	9,476,138	937,357,958	11.95	38,894,044	4.33
2024	937,357,958	48,581,821	73,568,586	74,040,611	10,042,477	975,425,277	11.60	38,067,319	4.06
2025	975,425,277	50,525,094	76,443,496	79,625,215	10,663,042	1,012,105,610	11.21	36,680,333	3.76
2026	1,012,105,610	52,546,098	79,258,481	84,225,647	11,069,658	1,048,614,884	11.00	36,509,274	3.61
2027	1,048,614,884	54,647,942	82,041,381	89,350,849	11,492,340	1,084,461,018	10.75	35,846,134	3.42
2028	1,084,461,018	56,833,860	84,793,885	94,233,479	11,675,296	1,120,179,988	10.58	35,718,970	3.29
2029	1,120,179,988	59,107,214	87,593,831	98,689,746	10,931,665	1,157,259,622	10.56	37,079,634	3.31
2030	1,157,259,622	61,471,503	90,515,805	102,766,033	10,329,583	1,196,151,314	10.58	38,891,692	3.36
2031	1,196,151,314	63,930,363	93,601,281	106,481,759	9,719,203	1,237,481,996	10.65	41,330,682	3.46
2032	1,237,481,996	66,487,578	96,898,853	109,865,466	9,114,768	1,281,888,193	10.77	44,406,197	3.59

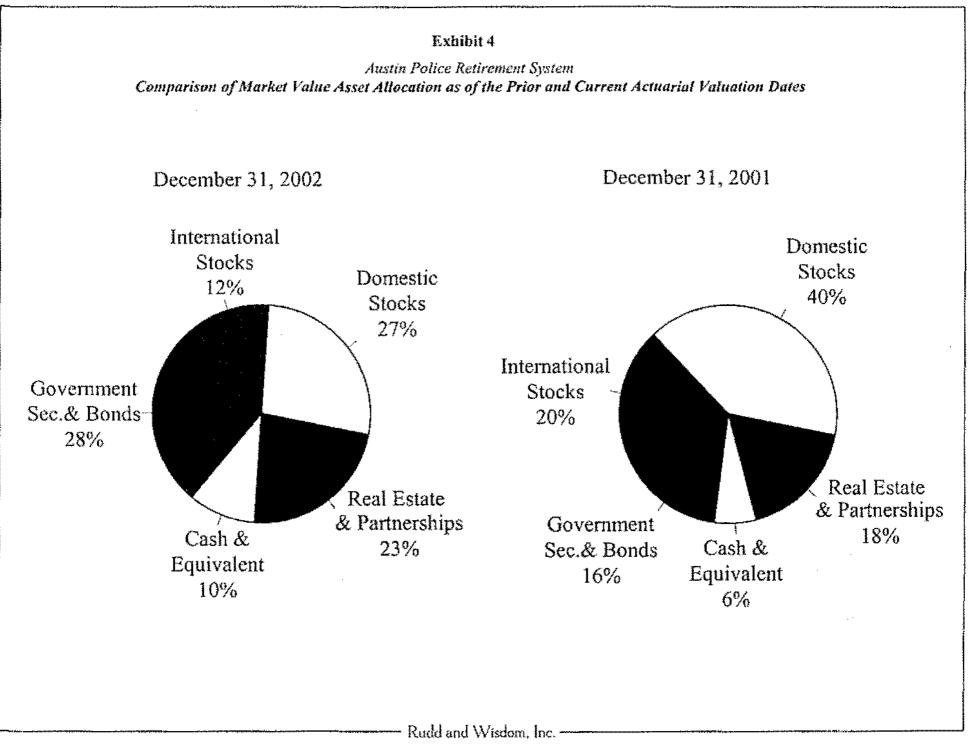
A. Data for years 1998 through 2002 was taken from the annual reports for those years. Fund balance at beginning and end of year reflects the market value of the system's assets.
B. Assumptions for years 2003 through 2032:

Benefits are assumed to commence in accordance with the demographic and economic assumptions used in this December 31, 2002 actuarial valuation.
Contributions will be 9% of pay by the members and 17.906% of pay by the city.
Covered payroll and contributions to the system will increase 4% per year.

Austin Police Retirement System Market Value of Assets as of December 31, 2002

#### Assets

Investments	
Corporate Stocks	\$ 67,772,588
Real Estate Interests	50.211.339
U.S. Government Securities	39,554,070
International Stocks	30,626,335
Short-Term Investment Funds	22,486,048
U.S. Government Bonds (PIMCO)	15,291,769
International Government Securities	13,016,363
Partnership Interests	5,904,685
Corporate Bonds	1,932,328
Total Investments	\$ 246,795,525
Other Assets	\$ 49,775
Cash	1,259,524
Interest and Dividends Receivable	935,280
Contributions Receivable	470,870
Fixed Assets	7,781
Other Assets	\$ 2,723,230
Total	· • •
Total Assets	<u>\$249,518,755</u>
T OFFER X FORMER	
Liabilities	
Contributions Refundable	\$ 157,685
Other Liabilities	<u>376,437</u>
Total Liabilities	<u>\$534,122</u>
Net Market Value of Assets (Assets Minus Liabilities)	<u>\$248,984,633</u>



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# Austin Police Retirement System Development of Actuarial Value of Assets

## Calculation of 2002 Actuarial Investment Gain/(Loss)

Market Value of Assets as of December 31, 2001	\$ 264,452,675
2002 City of Austin Contributions	12,566,293
2002 Officer Contributions	7,348,110
2002 Benefit Payments and Contribution Refunds	(14,505,660)
Expected Investment Return at 8% during 2002	21.368,402
Expected Market Value of Assets as of December 31, 2002	\$ 291,229,820
Actual Market Value of Assets as of December 31, 2002	248.984.633
2002 Actuarial Investment Gain/(Loss)	\$ (42,245,187)
Calculation of 2001 Actuarial Investment Gain/(Loss)	
Market Value of Assets as of December 31, 2000	\$ 273,471,014

2001 City of Austin Contributions	11,178,204
2001 Officer Contributions	5,735,996
2001 Benefit Payments and Contribution Refunds	(13,221,597)
Expected Investment Return at 8.25% during 2001	22,710,660
Expected Market Value of Assets as of December 31, 2001	\$ 299,874,277
Actual Market Value of Assets as of December 31, 2001	264,452,675
2001 Actuarial Investment Gain/(Loss)	\$ (35,421,602)

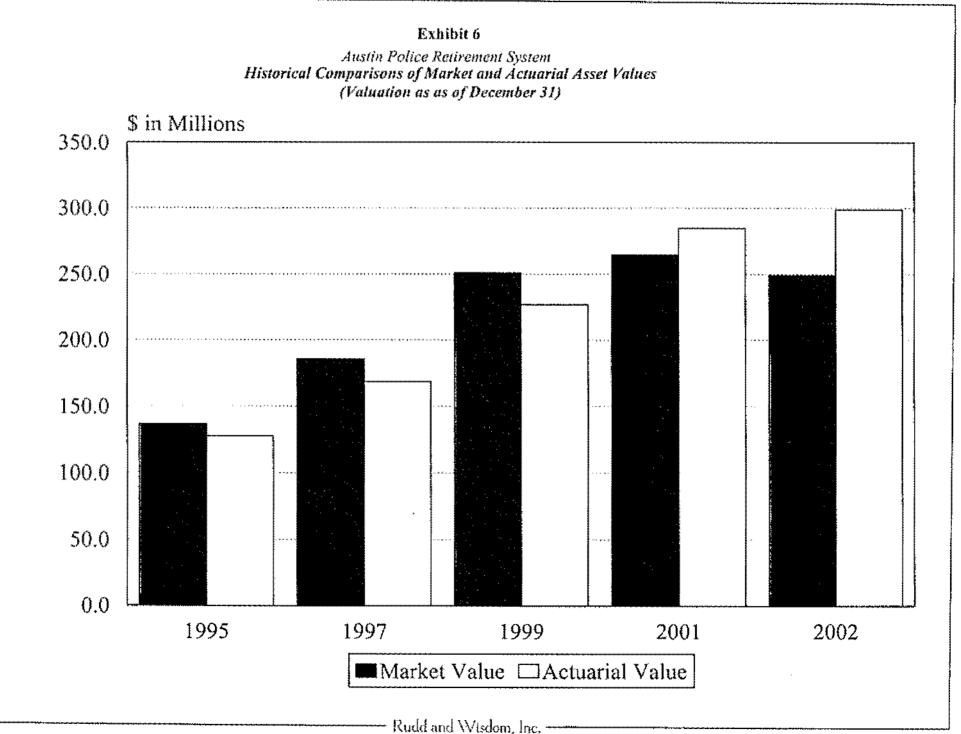
# History of Actuarial Investment Gains/(Losses)

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	2400 X E		Deferred
	Total	Deferred	Gain/(Loss) Amount
Year	Gain/(Loss)	Percentage	as of December 31, 2001
2002	\$(42,245,187);	80%	\$ (33,796,150)
2001	(35,421,602)	60	(21,252,961)
2000	(1,634,745)	40	(653,898)
1999	19,999,541	20	3,999,908
		· · · .	\$ (51,703,101)
Market Va Deferred ( Total 80% of Ma	Value of Assets due as of December 31, 2002 Jain/(Loss) to be Recognized arket Value as of December 3 Jarket Value as of December	in Future	\$ 248,984,633 <u>-(51,703,101)</u> \$ 300,687,734 \$ 199,187,706 \$ 298,781,560
	Value as of December 31, 200		\$ 298,781,560

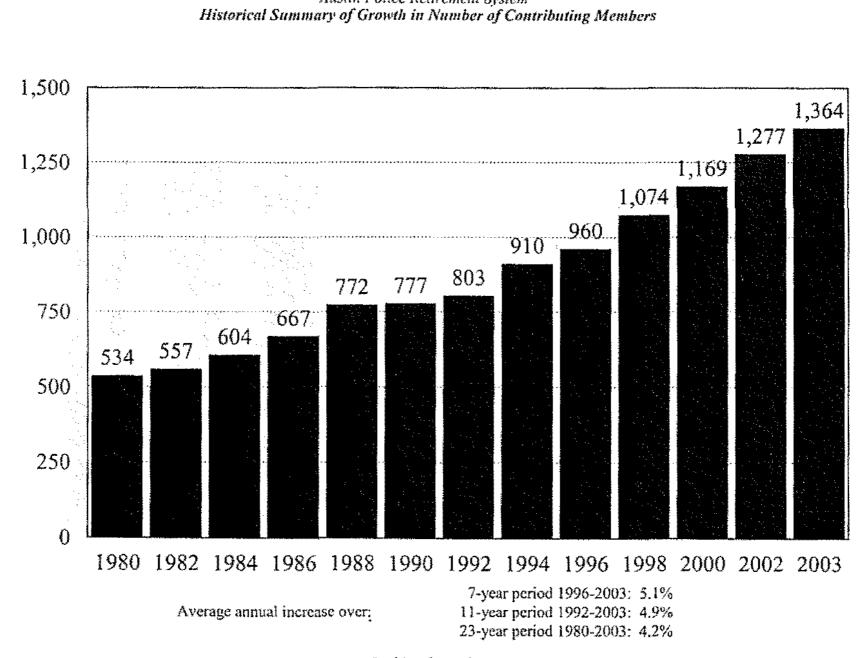
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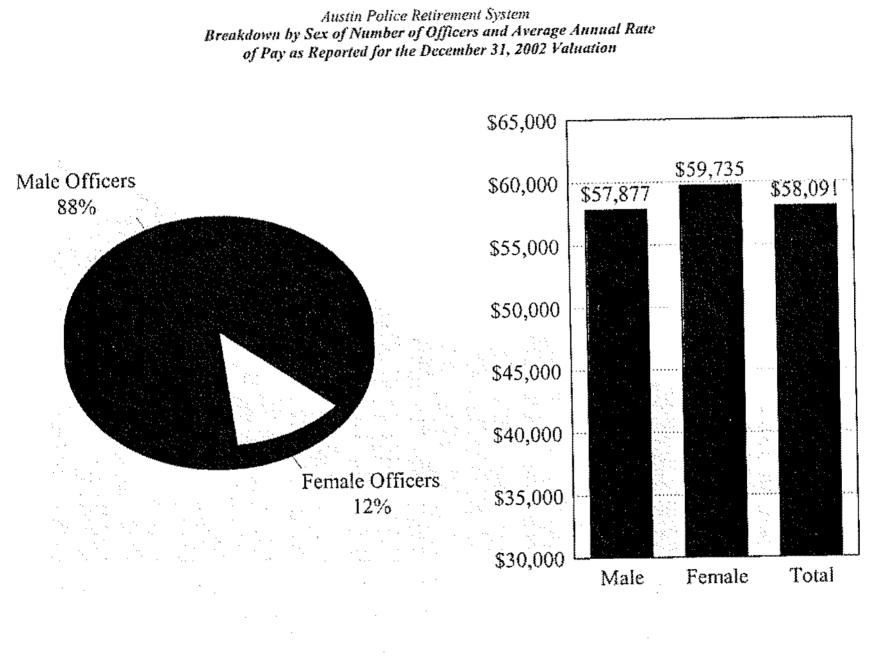
# Austin Police Retirement System Distribution of Police Officers by Age and Service as of December 31, 2002

		- 15	÷ .									
Years	****				Λ	ttained A	<u>ee</u>					
oſ	Under										65 or	
Service	20	<u>20-24</u>	<u>25-29</u>	30-34	<u>35-39</u> -	40-44	<u>45-49</u>	<u>50-54</u>	<u>55-59</u>	<u>60-64</u>	Over	Total
0	0	12	34	17	5	3	ţ	0	0	0	0	68
I	0	10	48	34	9	б	2	0	۵	0	0	109
2	0	7	52	37	13	5	0	0	0	0	0	114
3	0	1	18	15	4	2	0	0	0	0	0	40
4	0	1 .	26	42	25		<b>2</b> t est est a	. <b>t</b>	0	0	0	101
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19	õ	0	0	Ō	0	19	21	6	Õ	0	ō	46
20-24	0	0	0	0	0.2	15	79	31	6	0	0	131
25-29	0	0	0	Ő	Õ	0	25	29	Š	ŏ	ŏ	59
30-34	0	0	0	0	Õ .	. Õ	1	-11	1	0	ō	13
35-39	0	0	0	0	0	Õ	0 0	Ő	l	Õ	õ	1
40-44	Ō		0	Q	0	Ō	Ō	0	0	Ō	Q	0
45-49	0	Û	0	0	0	0	0	0	0	0	0	0
50+	0	_0	ò	<u>0</u>	<u>0</u>	_0	_0	<u>.</u> 0	0	_0	<u>_</u>	0
Totals	0	32	223	326	255	231	193	88	15	1	0	1364
Average Monthly												
Salary	SO S:	3,264 S	3,730 \$	4,217 \$4	,701 \$5	,484 \$6	6011 S(	5,377 \$6	.661 \$	5,156	0	\$4,841

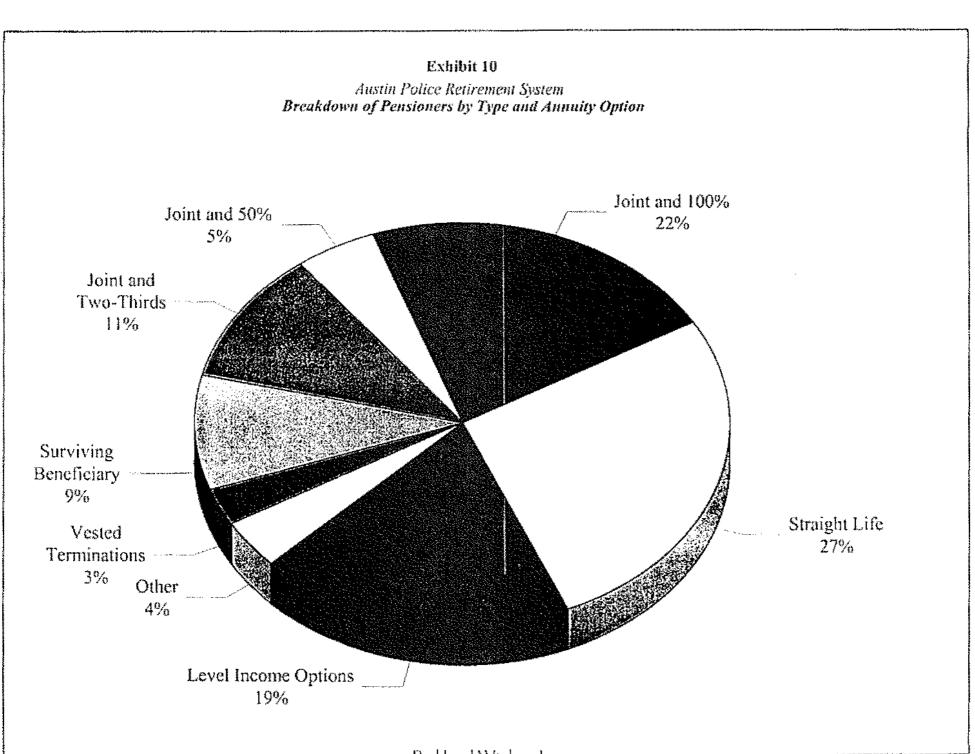


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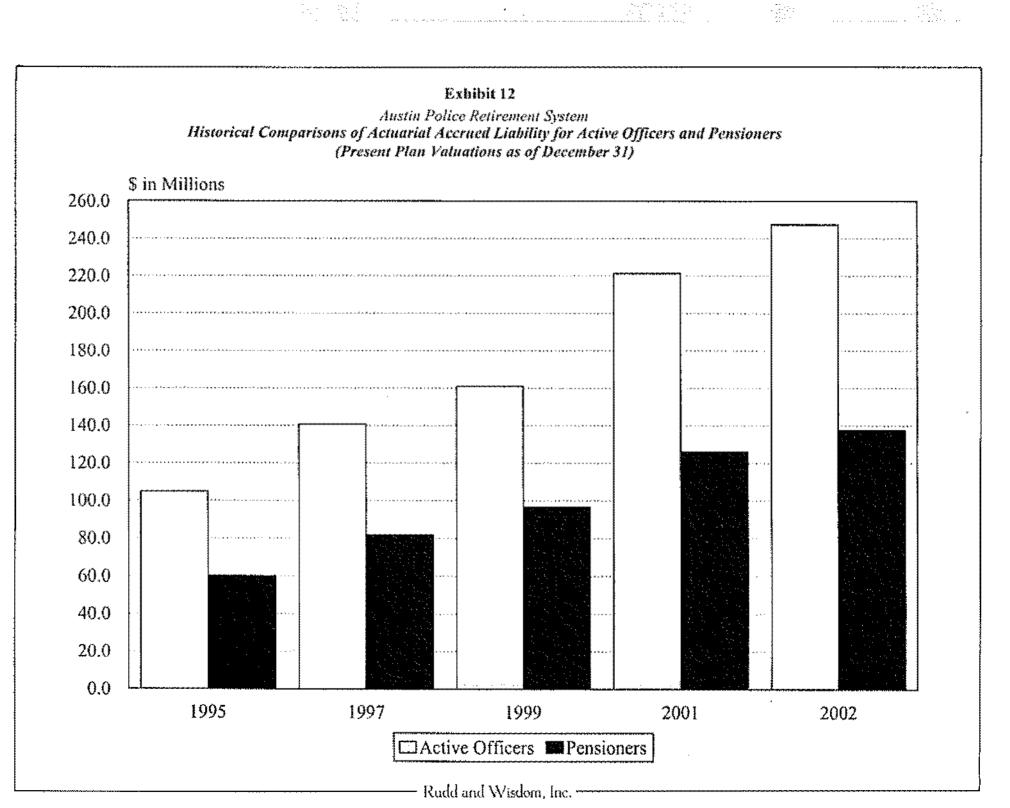
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# Austin Police Retirement System Summary Data of Active Police Officers and Pensioners as Reported for the December 31, 2002 Valuation

Active Police Officers	Male	Female	Total
Total Contributing Police Officers	1,207	157	1,364
Annualized Reported Payroll	\$69,857,947	\$9,378,419	\$79,236,366
Average Annual Rate of Pay	\$57,877	\$59,735	\$58,091

Pensioners	Number	Monthly Payment	Actuarial Present Value of Benefits
Service Retirements by Type of Annuity			
Straight Life	89	\$326,595	\$40,957,216
Joint and 100%	70	257,357	
Joint and 50%	16	66,446	7,898,222
Joint and Two-Thirds Beneficiary	33	130,722	
Joint and Two-Thirds Last Survivor	1	4,223	510,459
Level Income Straight Life	18	67,245	6,391,429
Level Income Joint and Two-Thirds	31	100,821	11,193,841
Level Income Joint and 100%	12	48,093	5,830,316
Fifteen Year Certain and Life	2	7,708	<u> </u>
Total Service Retirements	272	1,009,210	125,787,125
Disability Retirements	4	7,487	859,467
Surviving Beneficiaries	27	85,095	9,805,983
Vested Terminated Officers	_9	<u>13,436</u>	803,496
Total	312	\$1,115,228	\$137,256,071



Austin Police Retirement System Summary Plan Description

Date System Began

January 1, 1980

Statute Effective Date

September 1, 2003

### Administration

The fund is administered by a retirement board consisting of 11 members. Funds are held by the retirement board, as trustee.

### Employees Included

All regular and permanent full-time police officers or cadets who are employed by the police department. In addition, employees of the System's administrative staff are also included.

Employee Contributions

9% of each police officer's "Compensation Considered".

City Contributions

18% of "Compensation Considered" for all "Employees Included" effective as of October 1, 1996 and thereafter. Effective September 1, 2003, a very small portion of the city contribution will be allocated by the Board to the Retiree Death Benefit Fund (account) administered by the System.

### Service Considered

The number of months during which a member is required to make and does make prescribed contributions plus (a) any creditable service received as a result of the provisions for establishing credit for certain military service, cadet service, probationary service following the commission date when no contributions were previously made or (b) reinstating previously forfeited service.

# Exhibit 13 (continued)

Austin Police Retirement System Summary Plan Description

### **Compensation Considered**

Base pay and longevity pay.

### Average Final Compensation

The highest monthly average of the "Compensation Considered" for 36 months of the last 120 months during which the member contributed to the system or during the months of service for which he did contribute, if less than 120.

### Normal Retirement Date

The first day of the month following the earliest month in which (a) the member has completed at least 23 years of creditable service not reflecting any military service credit; or (b) the member has attained age 55 and completed at least 20 years of creditable service not reflecting any military service credit; or (c) the member has reached age 62.

### Normal Service Retirement Benefit

A member is eligible for a normal service retirement benefit after having reached his normal retirement date. The monthly annuity, payable as a life annuity (modified cash refund), is 3.00% of "Average Final Compensation" multiplied by years and months of "Service Considered."

### Disability Benefit

A member is eligible for a disability benefit (a) at any age provided he has completed ten years of service and (b) has a total and permanent disability from any cause. A member with less than 10 years of service is also eligible for a disability benefit if his disability is total and permanent and is the result of his duties as a police officer. The annuity is computed considering service and compensation to date of disability; however, not less than 20 years of service will be credited for an occupational disability.

### Exhibit 13 (continued)

Austin Police Retirement System Summary Plan Description

### Death Benefits

If death occurs before eligibility for retirement, the member's beneficiary receives a benefit equal to twice the accumulated member contributions made plus allowable interest. This benefit will not be less than \$7,500.

If death occurs before retirement but after eligibility for retirement and the member had elected an optional annuity, the member's beneficiary will be entitled to a monthly annuity calculated as if the member had retired at the end of the month in which he died. A \$7,500 lump-sum death benefit is also payable to the beneficiary.

If death occurs before retirement but after eligibility for retirement and prior to selection of an optional annuity and, if the member leaves a lawfully married spouse surviving, then the surviving spouse may select an optional annuity or select a lump sum benefit equal to twice the accumulated member contributions made plus allowable interest. If the lawfully married surviving spouse dies before having received benefits equal to the amount of accumulated member contributions, the excess of such accumulated deposits over the benefits actually received will be refunded in one sum to the member's estate. If the member leaves no surviving spouse, then the member's designated beneficiary, or if no beneficiary exists, the executor or administrator of the estate, may select either the Fifteen Year Certain and Life Annuity or a lump sum benefit equal to twice the accumulated member contributions made plus allowable interest. If an optional annuity is selected in lieu of a lump sum benefit, a \$7,500 lump sum death benefit is payable to the beneficiary.

If death occurs after retirement, the member's beneficiary receives a benefit equal to the excess, if any, of the accumulated member contributions plus allowable interest over the benefits actually received. Under certain optional pension forms the beneficiary will also be entitled to receive a monthly annuity for life or for the remainder of a certain period.

### **Retiree Death Benefit Fund**

Effective September 1, 2003, a separate fund was established to pay \$7,500 post-retirement lump sum death benefits. This fund is funded by city contributions.

### Vested Benefit

If the member has 10 years of service, he may elect to leave his accumulated deposits with the retirement system. He will be entitled to a deferred benefit commencing at the normal retirement date based upon his service and compensation prior to termination.

# Exhibit 13 (continued)

Austin Police Retirement System Summary Plan Description

### **Termination of Employment**

A member terminating employment for reasons other than service retirement, disability retirement or death will receive an amount equal to his contributions to the retirement system and accumulated interest. Interest will be credited at the end of each calendar year at a rate determined by the system's board of trustees on the member's beginning-of-year account balance.

### **Optional Payments**

A retiring member may elect an optional form of annuity payment rather than the standard Life Annuity. Such options are a Joint and 100% to Survivor, Joint and 50% to Survivor, Joint and Two-Thirds to Survivor, Joint and Two-Thirds to Survivor or 15-Year Certain and Life Annuity.

A retroactive deferred retirement option plan (RETRO DROP) can also be elected by retiring members meeting certain eligibility requirements. This option provides the member with a monthly annuity and a lump sum. The RETRO DROP benefit computation date elected by the member may not be earlier than the date the member completed 23 years of creditable service not reflecting any military service credit or may not be earlier than 36 months prior to the date of retirement.

### **Postretirement Cost-of-Living Increases**

The Board may authorize an annual cost-of-living adjustment, subject to actuarial approval, not to exceed 6% per year. Postretirement benefit increases will automatically be provided when the system's benefit formula as a percent of average compensation for years of service increases.

# Austin Police Retirement System Summary of Actuarial Methods and Assumptions

1.	Actunrial Cost Method	<ul> <li>Entry Age Actuarial Cost Method</li> <li>The normal cost is calculated to be a level percent of compensation over a member's career.</li> <li>The unfunded actuarial accrued liability is assumed to be funded by level percent contributions of employee payroll based on annual payroll growth of 4% per year due to general wage increases.</li> </ul>
2.	Asset Valuation Method	Gains and losses in the market value of assets, based on the difference between the actual rate of return and the assumed rate of return, are recognized in the actuarial value over five years. The actuarial value will not be less than 80% or more than 120% of the market value of assets.
3.	Investment Return (Interest Rate)	8% per year, net of expenses
4.	Inflation	4% per year
5.	Salary Increase Due to General Wage Increases	4% per year
6.	Salary Increase Due to Promotion and Longevity Increases	2.8% per year average over career. See Exhibit 16 for the promotion and longevity salary increases by year of service.
7.	Total Salary Increase	6.8% per year average over career. See Exhibit 16 for the total salary increases by year of service.
8.	Interest Credited on Officer's Accumulated Contributions	4% per year
9.	Mortality	
·	a. Active and Retired	UP-1994 Mortality Tables for males and females with no age adjustments or
	b. Disabled	projections 85% of 1965 RRB Disabled Annuitants Mortality Table isdom, Inc.

# Exhibit 14 (continued)

# Austin Police Retirement System Summary of Actuarial Methods and Assumptions

- 10. Retirement Rates
- 11. Withdrawal Rates

- 12. Disability Rates
- 13. Future Military Service Purchase for Officers without Purchase
- 14. RETRO DROP Election
- 15. RETRO DROP Period Election
- 16. Percent Single after Eligible for Service Retirement
- 17. Age of Spouse of Officer Who Dies While Eligible to Retire
- Payment Form Election for Pre-Retirement Death Benefits
   a. Married Members
   b. Single Members
- 19. Ad Hoc Cost-of-Living Increases for Pensioners

Expected average retirement age of 52.7 based on the officers included in the December 31, 2002 valuation. See Exhibit 17 for service and age-related rates.

Expected average annual number of terminations with a refund of contributions of 24 per year in 2003 based on the officers included in the December 31, 2002 valuation. See Exhibit 18 for service-related rates.

Sce Exhibit 19 for age-related rates.

- 20 months purchased on average
- 50% of officers under 45
- 75% of officers 45 and above
- 25% of estimated cost paid by officer

75% of those eligible for at least a one-year RETRO DROP are assumed to make such an election.

Members elect the maximum period eligible (up to 36 months).

15%

Female 3 years younger than male

Joint and 100% to Survivor 15-Year Certain and Life Annuity

None

# Exhibit 14 (continued)

# Austin Police Retirement System Summary of Actuarial Methods and Assumptions

20. Cadet Service Purchase

- 100% of officers who have not yet purchased the credit will purchase their cadet service in the future.
- Officer purchase amount based on officer contribution rate and cadet pay at time of cadet service.

21. Forfeited Service Purchase, Probationary Service Purchase, and Uniform Military Leave of Service Purchase

100% of officers with such eligible service will purchase the respective service.

# Austin Police Retirement System Changes in Actuarial Methods and Assumptions

	December 31, 2002 Actuarial Assumption	December 31, 2001 Actuarial Assumption
Interest Credited on Officers' Accumulated Contributions	4%	5%

------- Rudd and Wisdom, Inc. ----

# Austin Police Retirement System Salary Rate of Increase from Year t-1 to Year t

	Salary Increa	uses Due to
	Promotion and	
Year of	Longevity	
Service t	Increases	Total Increases
1	18.0%	22.7%
2	11.2	15.6
3	5.8	10.0
4	0.9	4.9
5	0.9	4.9
6	- 7.1	11.4
7	0.5	4.5
8	0.5	4.5
9	0.5	4.5
10	7.1	11.4
11	0.3	4.3
12	0.3	4.3
13	0.3	4.3
14	, 7.1	11.4
15	0.2	4.2
16	7.2	11.5
i se	0.2	4.2
18	0.1	4.1
19	0.1	4.1
20	0.1	4.1
20		
21	0.1	4.1
22	0.1	4.1
23	0.1	4.1
24	0.1	4.1
25	• 0.1	4.1
26-45	0.0	4.0

F	or Entry A	ges Under	32	Fc	or Entry Age	s 33 and Al	ove
Service	22 & Under	23-27	28-32	Agc	33-37	38-42	43 & Over
23 24	50 200	75 200	100 200	43 44			
25 26 27 28 29	250 300 500 500 500	250 300 400 400 400	250 300 350 400 500	45 46 47 48 49			ne ne vezeta de la constante d
30 31 32 33 34	500 500 500 500 500	500 500 500 500 500 500	500 500 1000*	50 51 52 53 54			
35 36 37 38 39	600 600 600 600 600	500 500 1000*		55 56 57 58 59	200 250 300 350 500		
40 41 42	600 600 1000*			60 61 62 63 64	1000	500 350 350 350 350	800 400 400
				65		1000	1000

# Austin Police Retirement System Service Retirement Rates Per 1,000 Members

\* 100% retirement rate will be effective at age 60 if earlier.

# Austin Police Retirement System Withdrawal Rates Per 1,000 Members

1	1
Years of Service	Withdrawal Rates
0	100
1	20
1 2 3 4	20
3	20
4	20
5 6	20
	20
7	20
8	20
9	20
10	20
11	17
12	14
13	10
14	5
	_
15	0
16	0
17	0
18	0
19	0

------ Rudd and Wisdom, Inc. ---

7.1

# Austin Police Retirement System Disability Rates Per 1,000 Members\*

Age	Disability Rates	Age	Disability Rates
20	0.14	40	0.92
20	0.15	41	1.14
22	0.16	42	1.32
23	0.17	43	1.48
23 24	0.18	44	1.73
25	0.19	45	2.09
26	0.21	46	2.55
27	0.23	47	2.98
28	0.25	48	3.34
29	0.28	49	3.62
30	0.31	50	3.79
31	0.35	51	3.92
32	0,40	52	4.04
33	0.45	53	4.24
34	0.49	54	4.56
35	0.52	55	4.90
36	0.54	56	5.32
37	0.57	57	5.86
38	0.62	58	6.60
39	0.73	59	7.53
		60	9.11
		61	11.72
		62 and later	0.00

\* Rates are for disability due to all causes, and occupational disability rates are assumed to be 55% of all cause rates.

# Austin Police Retirement System Definitions

- 1. Actuarial cost method A procedure for determining the actuarial present value of pension plan benefits and for developing an actuarially equivalent allocation of such value to time periods in the form of a normal cost contribution rate and an actuarial accrued liability.
- 2. Actuarially equivalent Of equal actuarial present value, determined as of a given date with each value based on the same set of actuarial assumptions.
- 3. Actuarial present value The value of an amount or series of amounts payable or receivable at various times in the future, determined as of a given date (the valuation date) by the application of the actuarial assumptions.
- 4. Entry Age Actuarial Cost Method A method under which the actuarial present value of projected benefits of each individual included in the valuation is allocated on a level basis over the earnings of the individual between the entry age and assumed exit. Entry age is calculated as the difference between the attained age and the years of service credit as of the valuation date. Service is assumed to be continuous.
- 5. Normal cost contribution rate That portion of the actuarial present value of benefits which is allocated to a valuation year by the Entry Age Actuarial Cost Method. It is expressed as a percent of compensation and is equal to the actuarial present value at hire of projected benefits divided by the actuarial present value at hire of anticipated future compensation. It is calculated for each individual and summed for the entire group.
- 6. Actuarial accrued liability That portion, as determined by the Entry Age Actuarial Cost Method, of the actuarial present value of benefits which is not provided for by future normal cost contributions.
- 7. Unfunded actuarial accrued liability The excess of the total actuarial present value of future benefits over the sum of the tangible assets and the actuarial present value of future normal cost contributions.
- 8. Actuarial value of assets The value of cash, investments, and other property belonging to a pension plan, as used by the actuary for the purpose of an actuarial valuation.
- 9. Actuarial gain or loss A measure of the difference between actual experience and that expected based upon a set of actuarial assumptions, during the period between two actuarial valuation dates.

Austin Police Retirement System Disclosures in Accordance with GASB Statement No. 25 Required Supplementary Information for the System's Financial Statements for Fiscal Year Ending December 31, 2002

# **I.** Schedule of Funding Progress

Actuarial Valuation Date <sup>1</sup>	Actuarial Value of Assets (a)	Entry Age Actuarial Accrued Liability (AAL) (b)	Unfunded AAL (UAAL) (b - a)	Funded Ratio (a/b)	Annual Covered Payroll <sup>2</sup> (c)	UAAL as a Percentage of Covered Payroll ((b - a)/c)
12/31/97 <sup>3,4</sup>	\$168,601,584	\$222,703,396	\$54,101,812	75.7%	\$47,188,812	114.6%
12/31/99 <sup>3,5</sup>	226,913,439	257,850,162	30,936,723	88.0	54,695,072	56.6
12/31/01 <sup>3,6</sup>	284,761,203	347,548,177	62,786,974	81.9	69,706,749	90.1
12/31/02 <sup>7</sup>	298,781,560	384,991,799	86,210,239	77.6	79,236,366	108.8

Prior to the actuarial valuation as December 31, 2002, the System had biennial valuations.

<sup>2</sup>The covered payroll is based on the annual rate of base pay and longevity pay used in the valuation.

Economic and demographic assumptions were revised.

Reflects changes in plan benefit provisions effective September 1, 1997.

Reflects changes in plan benefit provisions effective September 1, 1999.

<sup>6</sup>Reflects changes in plan benefit provisions effective September 1, 2001.

<sup>7</sup>Reflects changes in plan benefit provisions effective September 1, 2003.

# **II. Schedule of Employer Contributions**

Plan Year Ended December 31	Annual Contribution As a Fixed Percentage of Payroll	Annual Required Contribution <sup>1</sup>	Percentage Contributed
1997	18%	\$ 6,952,258	100%
1998	18	8,254,861	100
1999	18	9,288,148	100
2000	18	10,046,065	100
2001	18	11,178,204	100
2002	18	12,566,293	100

<sup>1</sup> The annual required contribution is based on actual covered payroll.

# Exhibit 21 (continued)

Austin Police Retirement System Disclosures in Accordance with GASB Statement No. 25 Required Supplementary Information for the System's Financial Statements for Fiscal Year Ending December 31, 2002

### III. Notes to Required Supplementary Information

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

Valuation date	December 31, 2002
Actuarial cost method	Entry Age
Amortization method	Level percentage of projected payroll, open
Remaining amortization period	25.7 years
Asset valuation method	Market value smoothed by a 5-year deferred recognition method with an 80%/120% corridor on market
Actuarial assumptions:	
- Investment rate of return, net	
of expenses, compounded ann	ually 8.0%
- Projected salary increases includ	ing
promotion and longevity	4.0% to 22.0% per year, averaging 6.8%
- Inflation rate per year	4.0%
- Postretirement cost-of-living adju	istments None

IV. Actuarial Information Needed for Notes to the Financial Statement as Required by Paragraph 32 of GASB 25 (Additional Information Required by Paragraph 32 Should be Provided by the System's Auditors)

### A. PLAN DESCRIPTION

The Board of Trustees of the City of Austin Police Retirement System is the administrator of a single-employer defined benefit pension plan. The System is considered part of the City of Austin's financial reporting entity and is included in the City's financial reports as a pension trust fund.

The System was originally established in 1979 by a City Council ordinance. Effective August 1991, the System is governed by state law with plan amendments made by the Legislature of the State of Texas. The System provides retirement, death, disability and withdrawal benefits. Benefits vest after 10 years of credited service. Participants may retire at (a) 23 years of service excluding any military Rudd and Wisdom, Inc.

### Exhibit 21 (continued)

Austin Police Retirement System Disclosures in Accordance with GASB Statement No. 25 Required Supplementary Information for the System's Financial Statements for Fiscal Year Ending December 31, 2002

service credit regardless of age, or (b) age 55 with 20 years of service excluding any military service or (c) age 62. The monthly benefit at retirement is payable as a life annuity (modified cash refund). As of December 31, 2002, the monthly benefit is equal to 3.0% of the highest 36-month average salary multiplied by years and months of service. Effective September 1, 2001, the RETRO DROP provisions were changed to require that a participant must have 23 years of creditable service with the retirement system excluding any military service credit on the date the participant elects for the RETRO DROP benefit computation date. Effective September 1, 2003, the \$7,500 post-retirement lump sum death benefit is payable from a separate Retiree Death Benefit Fund (account) administered by the System.

Distributions to officers or their beneficiaries are also available in the event of total and permanent disability, provided the officer has completed 10 years of service or the injury was sustained during the performance of employment duties, or upon death. The terms of benefit payments are determined by certain elections made by the officer, their level of earnings and length of service. Payments to officers or their beneficiaries may be increased annually on an ad hoc basis by the amount of increase in the Consumer Price Index, limited to 6% per year, and subject to the approval of the Retirement Board and the actuary.

Participating members in the System include full-time police officers and cadets employed by the police department of the City and employees of the System. The following membership status of the System was reflected in the actuarial valuation as of December 31, 2002:

Retirees and beneficiaries currently receiving benefits (303) and terminated employees entitled to future monthly	
benefits (9)	312
Current participating members	<u>1,364</u>
Total	1,676

### Exhibit 21 (continued)

Austin Police Retirement System Disclosures in Accordance with GASB Statement No. 25 Required Supplementary Information for the System's Financial Statements for Fiscal Year Ending December 31, 2002

### B. CONTRIBUTIONS

The System is funded by biweekly contributions from the basic compensation, consisting of base pay and longevity pay, of police officers and by contributions from the City. Under the provisions in effect on December 31, 2002, participants are required to contribute 9% of their basic compensation to the System. The City is required to make contributions equal to 18% of basic compensation and may authorize additional contributions. Effective September 1, 2003, a portion of the city's contribution will be allocated to the Retiree Death Benefit Fund.

The City contribution rate is required by the state law governing the System and may be changed by amendment made by the Legislature of the State of Texas. The participant contribution rate must be at least 6% but was increased to 9% effective October 1993 by a recommendation of the Retirement Board and an approving vote of the participating members in accordance with the state law governing the System. The participant contribution rate may be changed by amendment made by the Legislature of the State of Texas or by appropriate actions of the Board and the participating members in accordance with the state law governing the System.

While contribution rates are not actuarially determined, state law requires that each plan of benefits adopted by the System must be approved by a qualified actuary. The actuary certifies that the contribution commitment by the police officers and the City provides an adequate financing arrangement. Using the entry age actuarial cost method, the System's normal cost is determined as a percentage of payroll. The excess of the total contribution rate over the normal cost rate is used to amortize the System's unfunded actuarial accrued liability, and the number of years needed to amortize the System's unfunded actuarial accrued liability is determined using an open, level percentage of payroll method. Based on the actuarial valuation as of December 31, 2002 and the Plan provisions effective September 1, 2003, the normal cost was 20,11% of pay and the amortization period was 25.7 years.

Austin Police Retirement System Disclosures in Accordance with GASB Statement No. 27 Notes to the Financial Statements for the City of Austin for the Fiscal Year Ending September 30, 2002

# I. Annual Pension Cost

For the fiscal year ending September 30, 2003, the City's Annual Pension Cost (APC) of \$ for the Austin Police Retirement System is equal to 18% of the basic compensation, consisting of base pay and longevity pay of the members of the System (including both police cadets and officers), for the period October 1, 2002 through August 31, 2003 plus 17.906% of such basic compensation for the period September 1, 2003 through September 30, 2003. The APC is equal to the City's required and actual contributions. The required contributions are a fixed 18% of pay. However, effective September 1, 2003, a portion (0.094%) of the city's contribution is allocated to a separate Retiree Death Benefit Fund (account). The required contributions were reflected in the December 31, 2002 actuarial valuation, which satisfied the parameters of the Governmental Accounting Standards Board (GASB) Statement No. 27. The Entry Age Actuarial Cost Method was used, with the normal cost calculated as a level percentage of payroll.

The actuarial assumptions included an investment return assumption of 8% per year (net of administrative expenses), projected salary increases ranging from 4% to 22% and averaging 6.8% per year, and no postretirement cost-of-living adjustments. An inflation assumption of 4% per year is included in the investment return and salary increase assumptions. The actuarial value of assets was determined using a method that smoothes the effects of short-term volatility in the market value of investments over a five-year period. The actuarial value of assets will not be more than 120% or less than 80% of the actual market value. The unfunded actuarial accrued liability (UAAL) is amortized with the excess of the total contribution rate over the normal cost rate. The number of years needed to amortize the UAAL is determined using an open, level percentage of payroll method, assuming that the payroll will increase 4% per year, and was 25.7 years in the December 31, 2002 actuarial valuation.

Fiscal	Annual	Percentage	Contribution as	Net
Year	Pension	of APC	a Percentage	Pension
Ending	Cost (APC)	Contributed	of Payroll	Obligation
09/30/2001	S	100%	18%	\$0
09/30/2002		100	18	0
09/30/2003		100	18/17.906 <sup>2</sup>	0

# II. Three-Year Trend Information for the Austin Police Retirement System

<sup>1</sup> City will be able to determine these amounts from their accounting system since there is no net pension obligation.

<sup>2</sup> For the period October 1, 2002 through August 31, 2003, the required contribution percentage was 18%. Effective September 1, 2003, the city's contribution rate to fund all System benefits except for the \$7,500 post-retirement death benefit is 17.906%. The remainder of the city's contribution (0.094%) is used to fund the \$7,500 post-retirement death benefit from the separate Retiree Death Benefit Fund (account).

# Exhibit 22 (continued)

# Austin Police Retirement System Disclosures in Accordance with GASB Statement No. 27 Notes to the Financial Statements for the City of Austin for the Fiscal Year Ending September 30, 2002

Actuarial Valuation Date <sup>1</sup>	Actuarial Value of Assets (a)	Entry Age Actuarial Accrued Liability (AAL) (b)	Unfunded AAL (UAAL) (b - a)	Funded Ratio (a/b)	Annual Covered Payroll <sup>2</sup> (c)	UAAL as a Percentage of Covered Payroll ((b - a)/c)
12/31/97 <sup>3,4</sup>	\$168,601,584	\$222,703,396	\$54,101,812	75.7%	\$47,188,812	114.6%
12/31/99 <sup>3,5</sup>	226,913,439	257,850,162	30,936,723	88.0	54,695,072	56.6
12/31/01 <sup>3,6</sup>	284,761,203	347,548,177	62,786,974	81.9	69,706,749	90.1
12/31/02 <sup>7</sup>	298,781,560	384,991,799	86,210,239	77.6	79,236,366	108.8

# III. Schedule of Funding Progress

Prior to the actuarial valuation as December 31, 2002, the System had biennial valuations.

The covered payroll is based on the annual rate of base pay and longevity pay used in the valuation.

<sup>1</sup>Economic and demographic assumptions were revised.

<sup>4</sup>Reflects changes in plan benefit provisions effective September 1, 1997.

Reflects changes in plan benefit provisions offective September 1, 1999.

<sup>6</sup>Reflects changes in plan benefit provisions effective September 1, 2001.

<sup>7</sup>Reflects changes in plan benefit provisions effective September 1, 2003.

# IV. Actuarial Information Needed for Notes to the Financial Statement as Required by Paragraph 20 of GASB 27

# A. PLAN DESCRIPTION

The Board of Trustees of the City of Austin Police Retirement System is the administrator of a single-employer defined benefit pension plan. The System is considered part of the City of Austin's financial reporting entity and is included in the City's financial reports as a pension trust fund. The Plan issues a stand alone report that is available from the Retirement Board.

The System was originally established in 1979 by a City Council ordinance. Effective August 1991, the System is governed by state law with plan amendments made by the Legislature of the State of Texas. The System provides retirement, death, disability and withdrawal benefits. Benefits vest after 10 years of credited service. Participants may retire at (a) 23 years of service excluding any military service credit regardless of age, or (b) age 55 with 20 years of service excluding any military service or (c) age 62. The monthly benefit at retirement is payable as a life annuity (modified cash refund). As of December 31, 2001, the monthly benefit is equal to 3.0% of the highest 36-month average salary multiplied by years and months of service.

# Exhibit 22 (continued)

Austin Police Retirement System Disclosures in Accordance with GASB Statement No. 27 Notes to the Financial Statements for the City of Austin for the Fiscal Year Ending September 30, 2002

Effective September 1, 2001, the RETRO DROP provisions were changed to require that a participant must have 23 years of creditable service with the retirement system excluding any military service credit on the date the participant elects for the RETRO DROP benefit computation date. Effective September 1, 2003, the \$7,500 post-retirement lump sum death benefit is payable from a separate Retiree Death Benefit Fund (account) administered by the System.

Distributions to officers or their beneficiaries are also available in the event of total and permanent disability, provided the officer has completed 10 years of service or the injury was sustained during the performance of employment duties, or upon death. The terms of benefit payments are determined by certain elections made by the officer, their level of earnings and length of service. Payments to officers or their beneficiaries may be increased annually on an ad hoc basis by the amount of increase in the Consumer Price Index, limited to 6% per year, and subject to the approval of the Retirement Board and the actuary.

Participating members in the System include full-time police officers and cadets employed by the police department of the City and employees of the System. The following membership status of the System was reflected in the actuarial valuation as of December 31, 2002:

Retirees and beneficiaries currently receiving benefits (303) and terminated employees entitled to future monthly	
benefits (9)	312
Current participating members	<u>1.364</u>
Total	1,676

# B. CONTRIBUTIONS

The System is funded by biweekly contributions from the basic compensation, consisting of base pay and longevity pay, of police officers and by contributions from the City. Under the provisions in effect on December 31, 2002, participants are required to contribute 9% of their basic compensation to the System. The City is required to make contributions equal to 18% of basic compensation and may authorize additional contributions. Effective September 1, 2003, a portion of the city's contribution will be allocated to the Retiree Death Benefit Fund.

# Exhibit 22 (continued)

Austin Police Retirement System Disclosures in Accordance with GASB Statement No. 27 Notes to the Financial Statements for the City of Austin for the Fiscal Year Ending September 30, 2002

The City contribution rate is required by the state law governing the System and may be changed by amendment made by the Legislature of the State of Texas. The participant contribution rate must be at least 6% but was increased to 9% effective October 1993 by a recommendation of the Retirement Board and an approving vote of the participating members in accordance with the state law governing the System. The participant contribution rate may be changed by amendment made by the Legislature of the State of Texas or by appropriate actions of the Board and the participating members in accordance with the state law governing the System.

While contribution rates are not actuarially determined, state law requires that each plan of benefits adopted by the System must be approved by a qualified actuary. The actuary certifies that the contribution commitment by the police officers and the City provides an adequate financing arrangement. Using the entry age actuarial cost method, the System's normal cost is determined as a percentage of payroll. The excess of the total contribution rate over the normal cost rate is used to amortize the System's unfunded actuarial accrued liability, and the number of years needed to amortize the System's unfunded actuarial accrued liability is determined using an open, level percentage of payroll method. Based on the actuarial valuation as of December 31, 2002 and the Plan provisions effective September 1, 2003, the normal cost was 20.11% of pay and the amortization period was 25.7 years.

# SUMMARY OF INVESTMENTS DECEMBER 31, 2002

	Market Value	Percent Of Market <u>Value</u>
Corporate stocks	67,772,588	27.5%
International stocks	30,526,335	12.4%
Real estate interests	50,211,339	20.3%
Short-term investment funds	22,485,048	9.1%
U.S. Government securities	39,554,070	16.0%
Government Bonds (PIMCO)	15,291,769	6.0%
Int'l Government securities	13,015,363	5.3%
Corporate bonds	1,932,328	1.0%
Partnership interests	5,904,685	2.4%
Total	246,795,525	100%

# SUMMARY OF INVESTMENTS DECEMBER 31, 2001

	Market Value	Percent of Market <u>Value</u>
Corporate stocks	105,806,557	40.3%
International stocks	51,736,728	19.7%
Real estate interests	42,177,893	16.1%
Short-term investment funds	13,747,879	5.3%
U.S. Government securities	28,926,494	11.0%
Int'l Government securities	10,867,247	4.1%
Corporate bonds	2,576,526	1.0%
Partnership interests	6,631,912	2.5%
Total	61 262,471,235	100%

### INTEREST PAID TO MEMBERS

(10 Year History)

Year	Interest Paid
2002	2.0%
2001	4.0%
2000	5.0%
1999	5.0%
1998	5.0%
1997	5.0%
1996	5.0%
1995	5.0%
1994	5.0%
1993	4.5%

# HOW IS THE AMOUNT OF INTEREST PAID ON RETIREMENT CONTRIBUTIONS DETERMINED?

The Board of Trustees annually determines the amount of interest paid on members' accumulated deposits, taking into consideration the performance of the Fund's investments and the actuary's recommendations. The actuary considers what funds are necessary to pay all the benefits that retirees and their surviving beneficiaries are entitled to, as well as the expected liability for current officers who will someday retire.

Retirement interest is paid at the end of the calendar year based on the amount that each officer had in the system on the first day of that calendar year. For instance, if you had \$1,000 on January 1, and on December 31, you had \$1,500, your interest for that year would be based on the \$1,000 you had in the system on January 1. In order to obtain that interest, your money must have remained on deposit for the entire calendar year.

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### COMPARATIVE STATEMENT OF MEMBERSHIP

RETIREMENT SYSTEM	2002	2001
	1005	* 1 ~ ~
Total Number of Members, January 1	1295	1183
Add: New Members Deduct: Members Terminated	185 (55)	192 (39)
Members Transferred to Retiree System	(32)	(39)
Total Membership, December 31	1393	1305
Deduct: Inactive Vested Members	(10)	(10)
TOTAL ACTIVE MEMBERS, DECEMBER 31	1383	<u>1295</u>

### RETIREE SYSTEM

Total Number of Members, January 1	279	249
Add: Members Transferred to System Deduct: Members Deceased	32 (5)	31: (2)
TOTAL RETIRED MEMBERS, DECEMBER 31	<u>306</u>	279

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#### PENSION PLAN GUIDE

#### GOVERNING PENSION LAW

The City of Austin Police Retirement System was established on November 29, 1979 by authority of a state law passed in 1979 (Vernon's Annotated Civil Statutes, Article 6243-L), and became statutorily governed by Article 6243n-1 on August 26, 1991.

#### ADMINISTRATION

The fund is administered by a Board of Trustees consisting of (11) members; five active police officers and two retired police officers elected from among its membership, one qualified voter appointed by the Board of Trustees, the City Manager (or designee), the Director of Finance (or designee), and one Council Member.

An administrative pension office and staff have been established to better serve the member, retiree's and their beneficiaries. Administrative costs and expenses for professional services rendered are paid by the fund.

#### RETIREMENT FUND INVESTING

The COA-Police Retirement System's Fund monies are invested according to requirements prescribed by the system's statutory plan and further defined in the Board's 'Statement of Investment Policy and Guidelines'. The investments provide returns that help fund the monthly retirement allowances and other benefits paid by the system to its members and beneficiaries.

#### MEMBERSHIP REQUIREMENTS

All Cadets, effective April 1998, enrolled in the Police Academy Training while employed with the City of Austin Police Department and who thereafter are <u>commissioned</u> <u>officers</u>, become members upon date of employment with the Police Retirement System.

All full time staff employees who have successfully completed six months of probationary service at the Pension Office.

#### CONTRIBUTIONS

**Police Officer:** Each member of the system contributes 9% of base pay each pay period by payroll deduction. Overtime or special pay is not included. Contributions continue until a member's withdrawal by termination or retirement. City of Austin: The City of Austin contributes 18% of every member's base pay each pay period. Once it becomes a part of the retirement fund, the City's contribution is invested for the benefit of all active employees and made available to pay benefits to them at retirement. Most retirees receive benefits equal to all their own contributions and interest, through their monthly annuity payments, within two or three years after retirement. Because of the contributions made by the City and the interest earned on the Fund's investments, money is available to continue paying each retiree monthly benefits according to their selected option as long as they live, long after their own contributions have been received. We are also able to provide on-going lifetime benefits to the surviving beneficiaries of deceased retirees according to their selected option as well as provide a cost of living adjustment (COLA) for retirees.

#### RETIREMENT ELIGIBILITY

### Normal, unreduced retirement:

Officers are eligible for normal, unreduced retirement when they meet one of the following age and service requirements:

- \* Age 55 and 20 years creditable service
- \* Any age and 23 years creditable service.
- \* Age 62 and any number years of creditable service.

#### CREDITABLE SERVICE

Creditable service is service that is used in computing retirement benefits. There are five types of creditable service:

- 1. Membership Service-The employment period during which a member makes payroll contributions to the fund.
- 2. Probationary Service-Credited service may be purchased from commission date to retire start date in the event they are not the same date.
- 3. Premembership Military Service-Credited service may be purchased for up to two years of active federal duty military service prior to employment.
- Current Military Service-Credited service may be purchased for approved absence from City employment for military service within 5 years of reemployment.
- 5. Forfeiture Service-Credited service may be purchased for prior Austin Police Retirement System membership.
- 6. Cadet Service-Credit service may be purchased from cadet enrollment date to commission date in the event they are not the same date.

#### RETIREMENT BENEFIT LIFE ANNUITY CALCULATED

Basic retirement benefit Life Annuity are calculated using the following formula:

3.0% multiplied by years of membership service times averaged monthly salary for the highest 36 months of the last ten years of contributing service.

### RETIREMENT OPTIONS

The Police Retirement System provides several options under which monthly benefits may be paid. The options below require submission of verifiable information to determine calculation. Note: A member may not change their chosen option once they have already retired.

Life Annuity - Basic monthly benefit entitlement based on service and average salary, payable only to the member for life.

Option I		100%	Joint	and	Survivor	Benefit
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**Option II** - 50% Joint and Survivor Benefit

**Option III** - 66 2/3% Joint and Survivor Benefit

**Option IV** - Joint and 66 2/3% Last Survivor Benefit

**Option V** - Fifteen year Certain and Life Annuity

The options which include benefits to a survivor are figured according to the ages of both member and surviving beneficiary included in the plan. A member's benefit is permanently reduced if an option is chosen that provides survivor benefits to a beneficiary. This reduction is applied to the member's basic benefit relative to the option the member chooses. The reduction of member benefits is necessary to pay for the continued benefits the surviving beneficiary is expected to receive.

#### RETROACTIVE DEFERRED RETIREMENT OPTION PLAN

The retroactive deferred retirement option plan, referred to as RETRO DROP Option, is a <u>one-time benefit</u> paid at retirement with a reduced monthly retirement benefit. To be eligible a member must qualify with a normal service retirement of 23 years at any age, excluding premembership military service credit. The maximum amount of service to be used in computation of the RETRO DROP after normal service retirement of 23 years, excluding pre-membership service credit is 36 months.

On the election of RETRO DROP and the selection of the RETRO DROP benefit computation date, the member's monthly retirement option is computed as if the member had retired on the RETRO DROP benefit computation date. The RETRO DROP <u>benefit balance</u> will include the accumulated monthly benefits after 23 years with retiree COLA'S, multiplier increases, member contributions and a 5% simple interest calculation on December 31<sup>st</sup> for balances on deposit as of January 1<sup>st</sup> of the same calendar year.

A member who elects RETRO DROP receives a one-time benefit with a reduced monthly retirement benefit at retirement date.

Certain selections of options and beneficiary designations other than a surviving spouse may have adverse consequences under the Internal Revenue Code of 1986, which may cause a reduction in the amount of benefit payable. You are urged to consult your attorney or tax advisor prior to a final selection of an option.

### RETRO DROP BALANCE OFTION PLAN or (PROP) Post Retirement Option Plan

Instead of a single lump-sum payment, a member may elect to receive partial payments from the member's RETRO-DROP balance or PROP account for each calendar year, in an amount elected by the member. A member who elects partial payments in the <u>PROP</u> account may, at any time, elect to receive the member's entire remaining PROP account balance in a single lump-sum payment, with the payment to be made under rules adopted by the board.

If a member elects partial payments, the member's RETRO DROP balance or PROP account shall be credited with earnings or losses of the system while funds remain in the account. These earnings or losses will be determined at an annual rate established under a rule adopted by the board, which can be amended by board rule.

#### RETIREMENT OPTION'S AFFECT ON BENEFICIARY

If a retiring member selects the Life Annuity the monthly benefit stops at the death of the member, at which time an amount equal to the excess, if any, of the member's accumulated deposits over the amount of payments which have been made to the member will be paid in a lump sum to the member's designated beneficiaries or estate.

If the member chooses an option providing benefits to a survivor, then at the member's death the benefit specified in the option will be paid to the designated beneficiary for life. If the nominee does not survive the member, monthly benefits cease. The amount equal to the excess, if any, of the members accumulated deposits over the amount of payments which have been made to both the member and the beneficiary combined will be paid in a lump sum to other designated beneficiaries, or to the estate of the deceased member.

#### DISABILITY BENEFITS

To be eligible for disability retirement, the applicant must be unable to perform employment duties due to medical or emotional restrictions and/or diagnosis. The disability must be considered a permanent job performance disability. The disability must also be subsequent to the members effective date of membership AND,

1) if a member has <u>less than 10 years of creditable service</u>, has, become mentally or physically incapacitated for the performance of the employment duties the member had immediately before incapacitation as a direct result of injuries sustained subsequent to the member's effective date of membership in the police retirement system, the member may apply for disability retirement. Such application made for or on behalf of the injured member, shall show that the injury sustained was as a direct or proximate result of the performance of the member's employment duties with the City or with the System; that it is likely to result in the member's inability to perform the duties of a position offered to the member in the system, the police department, or any other department I the city; that pays as much or more than the current pay of the position the member was holding on the date of the member's disability.

2) if a member has more than 10 years of creditable service AND, has become mentally or physically incapacitated for the performance of the employment duties the member had immediately before incapacitation, the member may apply for disability retirement. Such application made for or on behalf of the injured member, shall show that the incapacity is likely to result in the member's inability to perform the duties of a position offered to such member in the system, the police department, or any other department in the city, that pays as much or more than the current pay of the position the member was holding on the date of the member's disability.

Disability applications are presented to the 'Disability Committee', whose recommendations are reported to the Retirement Board. The Board has the final authority in granting disability retirement benefits.

On award of disability retirement benefits, the member shall receive a disability retirement computed in the same manner that a service retirement benefit is computed subject to a minimum of 20 years of creditable service.

A member approved for disability retirement will have the option to select an unreduced basic Life Annuity benefit, 100% Joint and Survivor Annuity; 50% Joint and Survivor Annuity; 66 2/3% Joint and Survivor Annuity; Joint and 56 2/3% Last Survivor Annuity; and Fifteen Year Certain and Life Annuity.

Disability retirees are required annually to provide proof of continued disability and financial need to the Retirement Board.

#### FOR RETIREE OR ELIGIBLE RETIREE'S BENEFICIARY

At the death of a retiree, a death benefit of \$7,500 is paid to the retiree's designated beneficiary(ies) or estate.

#### FOR ACTIVE & VESTED MEMBER'S BENEFICIARY

At the death (whether on or off the job) of an active member: Who is not yet eligible for retirement, the designated beneficiary(ies) is entitled to a lump sum payment consisting of a return of the member's accumulated deposits (contributions and interest) and a death benefit from the Fund of an amount equal to the deposits. The death benefits may not be less than \$7,500. When the \$7,500 minimum is payable, the amount payable from the fund is \$7,500 minus that accumulated deposits standing to the member's credit.

#### At the death of a vested member:

Who has terminated employment, but left their contributions in the Fund waiting to become eligible for retirement. If such a vested member dies before the annuity payment begins, their beneficiary would receive in a lump sum amount twice the deceased vested member's accumulated deposits.

If a member has met the requirements of retirement eligibility prior to death: The surviving designated beneficiary will be entitled to receive monthly payments under a retirement option in lieu of the return of member accumulated deposits and lump sum death benefit.

In the event a member who is eligible for retirement dies without making a written selection of a retirement option and the member leaves a lawfully married surviving spouse, the surviving spouse may select a retirement option in the same manner as if the member had made the selection or may select a lump sum payment equal to twice the member's accumulated deposits.

If there is no surviving spouse, the deceased member's beneficiary may elect to receive payment under Option VII, a Fifteen Year Certain and Life Annuity, which will pay monthly benefits for a period of fifteen years, or a lump sum payment equal to twice the member's accumulated deposits.

When monthly benefits are payable in lieu of a lump sum, a \$7,500 death benefit will be paid to the beneficiary(ies).

#### SELECTION OF RETIREMENT OPTIONS AND DESIGNATING A BENEFICIARY

Within one year prior to the date on which a member becomes eligible for retirement, the member may file a written statement selecting one of the retirement options and designating a beneficiary, or stating that the member has been afforded an opportunity to select an option but does not desire to do so. The member shall retain the right to make a final selection until the date of retirement.

### HEALTH INSURANCE

Basic medical and dental insurance coverage is available through the City of Austin Human Resources Benefits Division.

Retirees have several choices of insurance carriers and coverage options. Any questions about carriers and plan coverage choices should be directed to the City of Austin Benefits Office at II Commodore Plaza, 9<sup>th</sup> Street & Brazos, 14<sup>th</sup> floor, P.O. Box 1088, Austin, Texas 78767 or by phone at (512) 974-3284.

#### DEFINITION OF A VESTED MEMBER

When you have ten years of service credit in the Austin Police Retirement System, you become a vested member of the retirement system. This means that you have a right to receive a monthly annuity when you reach retirement eligibility. Even if you leave City employment before reaching eligibility, if you are vested, you can decide to leave your contributions in the system, and begin drawing your annuity when you reach age 62, or when you meet other age and service requirements for retirement eligibility. It is important to note that, although retirement contributions for inactive members draw interest during the years between the member's termination and retirement, no cost of living increases are applied to these contributions.

#### RETIREMENT BENEFITS RETURNED TO MEMBER

When you leave City employment, you will fill out a form instructing the Pension Office as to the distribution method and direction to send your retirement contributions. Your choices will be:

1. Have your contributions refunded as soon as possible after you terminate employment. Your retirement contribution check will be issued two weeks after you receive your final check. It will be mailed to the address you give. (Federal Income Tax will be withheld on all Untaxed contributions and interest at 20% of the total taxable amount.)

2. You may decide to leave your contributions in the retirement system through the end of the calendar year. By doing this, you will receive interest on your contributions. Once the year has ended, your refund check will be issued to you in January. (Federal Income Tax will be withheld on all untaxed contributions and interest at 20% of the total taxable amount).

3. You may have your contributions transferred to an I.R.S. Qualified Retirement Plan through a direct rollover by leaving a letter of transfer with the Pension office. (Federal Income Tax will not be withheld but the monies will be made payable and moved to the qualified retirement plan in your behalf).

4. If you have ten or more years service, you can choose to take advantage of your vested right to an annuity when you reach retirement eligibility. If you indicate that you want to vest your benefits, your contributions will remain in the retirement system until you reach retirement eligibility and request that your monthly annuity begin. Your contributions will continue to earn interest until your monthly annuity begins. One thing to remember, should you choose to vest, is that when you reach eligibility, your benefits will be based on the eligibility and calculation criteria in effect at the time you terminated employment. There are no cost of living increases applied to your benefits after you have left City employment and before the date your annuity payments begin.

#### RETIREMENT REFUND CHECKS ISSUED AFTER WITHDRAWING CONTRIBUTIONS

With your final paycheck, one final contribution will be made to the retirement fund. After that check is issued, the exact amount of your total refund can be determined. Retirement refund checks are issued every two weeks, at the same time regular payroll checks are issued. Therefore, a member's retirement refund check will be issued the payday following the issuance of that member's final paycheck.

NOTE :

Your final timesheet must be properly coded before your retirement refund check can be issued. If you have ten or more years of service at termination, contact the Pension Office regarding your option to receive a vested accrued retirement benefit.

### LEAVING THE CITY AND WITHDRAWING MY ACCUMULATED DEPOSITS

Every payday the City contributes an amount to the retirement fund that is 18% of the total of all members' payroll. This money becomes a part of the retirement fund. Whereas each member's own contributions are individually accounted for, the amount paid in by the City belongs to all the members of the retirement system and is not specifically assigned to individual members.

If you leave the City before you become eligible for retirement, all of your own contributions and interest are returned to you, and no <u>City</u> contributions will be paid to you.

### RETIREMENT FUND LOANS AND WITHDRAWALS

Our retirement system is an approved I.R.S. qualified pension plan designed to provide income to members who retire from the City. It is not meant to be a savings account. Because of this, members are not allowed to borrow or withdraw funds as long as they are still working.

DETERMINING YOUR COA-POLICE RETIREMENT SYSTEM'S DEPOSIT AMOUNT The City of Austin provides year to date contribution amounts on biweekly payroll earnings statements.

Members receive an 'Annual Statement' from Austin Police Retirement System in January each year which provides information on total accumulated deposits and interest along with total credited service years.

#### WHO SHOULD I CONTACT FOR MEMBER SERVICES

A Pension Office has been established to serve the membership. Group and individual counseling is provided to members by this office. Prior to your retirement, a retirement counselor will prepare a schedule of your benefits under each of the options and advise you in your preparation to retire.

The Pension Office personnel can be reached at (512) 416-7672 and their address is 2520 South I.H. 35, Suite 205, Austin, Texas 78704.

This booklet has been prepared to help you better understand how the pension plan works. While this guide sets forth most of the facts about the plan, it does not attempt to describe all provisions or limitations as they apply in individual situations. In case of any conflict between the guide and the statute, the Article 6243n-1, Vernon's Texas Civil Statutes, as amended will prevail. If you have any questions about the plan, please contact the City of Austin Police Retirement System Pension Office, at (512) 416-7672. The Pension Office address is 2520 South IH-35, Suite 205, Austin, Texas 78704.

### IMPROVEMENTS TO SYSTEM (Last 10 Years)

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### NOVEMBER 1992

A full time Pension Administrator was hired.

### AUGUST 1993

Purchased building at 2520 South IH-35 to permanently house the Pension Office.

### OCTOBER 1993

Member contribution rate was increased from 6% to 9%.

### OCTOBER 1994

The City's contribution rate was increased from 12% to 14%.

#### SEPTEMBER 1995

Provision added for retirement eligibility with unreduced benefits to include members who have 25 years of creditable service.

Benefit formula multiplier was increased from 2.3% to 2.8%.

Special increase granted to retirees based on benefit formula multiplier in use at date of Retirement.

The retiree death benefit is increased to \$5,000 from \$2,000.

#### OCTOBER 1995

The City's contribution rate was increased from 14% to 16%.

### OCTOBER 1996

The City's contribution rate was increased from 16% to 18%.

#### SEPTEMBER 1997

Benefit formula multiplier was increased from 2.8% to 2.88%.

Special Ad hoc increase granted to retirees based on benefit multiplier 2.88% divided by benefit multiplier 2.8%, minus one, and multiplied by 100.

The retiree death benefit is increased to \$7,500 from \$5,000.

Retroactive Deferred Retirement Option Plan (RETRO DROP) provision added for retirement lump sum distribution with a reduced benefit.

### **APRIL 1998**

Officers who had non-membership time after they were enrolled in Cadet class are now able to buy back that non-membership time as retirement service credit.

Cadets are now members of the retirement system at enrollment date and upon contributing 9% of their biweekly payroll.

### SEPTEMBER 1999

Board Membership changed to allow for greater membership participation by adding one active officer and one retired officer position to the Board of Trustees.

### JULY 2000

Benefit formula multiplier was increased from 2.88% to 3.0%.

Special Ad hoc increase granted to retirees based on benefit multiplier 3.0% divided by benefit multiplier 2.88%, minus one, and multiplied by 100.

#### SEPTEMBER 2001

Provision added for retirement eligibility with unreduced benefits to include members who have 23 years of creditable service excluding pre-membership military service.

Post Retirement Option Plan (PROP) provision added for members who select the Retroactive Deferred Retirement Option Plan (DROP) and instead of receiving a single lump-sum payment, elect to receive partial payments from the member's DROP account for each calendar year, in an amount elected by the member.

# NOTES

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