

CITY OF AUSTIN POLICE RETIREMENT SYSTEM

# 2010 Annual Report



For the year ended December 31, 2010

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Public Pension Coordinating Council

***Public Pension Standards Award  
For Funding and Administration  
2010***

Presented to

***City of Austin Police Retirement System***

In recognition of meeting professional standards for  
plan funding and administration as  
set forth in the Public Pension Standards.

*Presented by the Public Pension Coordinating Council, a confederation of*

National Association of State Retirement Administrators (NASRA)  
National Conference on Public Employee Retirement Systems (NCPERS)  
National Council on Teacher Retirement (NCTR)

A handwritten signature in cursive script that reads "Alan H. Winkle".

Alan H. Winkle  
Program Administrator

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# INTRODUCTORY SECTION

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City of Austin Police Retirement System  
Board Of Trustees

<b>Police Member</b>	Peter Morin Chairman
<b>Police Member</b>	Lt. Fred Fletcher Vice Chairperson
<b>Police Member</b>	Cmdr. Catherine Haggerty
<b>Police Member</b>	Cmdr. Michael Jung
<b>Police Member</b>	SPO. Tim Atkinson
<b>Retired Police Member</b>	Kendall Thomas
<b>Retired Police Member</b>	John Ross
<b>Citizen Member</b>	Chesley Wood
<b>City Member</b>	Art Alfaro Financial Services Office
<b>City Member</b>	Jeff Knodel City Managers Office
<b>City Member</b>	Randi Shade City Council

## Pension Office Staff

### **Chief Executive Officer**

Sampson (Sam) K. Jordan

### **Deputy Director**

Stephanie Schkade Willie

### **Benefit Services Manager**

Michelle Ruland

### **Financial Manager**

Vernon Webb

### **Administrative Secretary**

Shalonda Lee

## Professional Service Providers

### **Custodian Bank**

The Northern Trust Company, Chicago, Illinois

### **Investment Consultant & Performance Evaluator**

Consulting Services Group, Memphis, Tennessee

### **Actuary**

Rudd & Wisdom, Inc., Austin, Texas

### **Auditor**

Montemayor Hill & Company, P.C., Austin, Texas

### **Legal Counsel**

Klausner & Kaufman, PA, Plantation, Florida

### **Security Litigation Counsel**

Berman DeValerio, PC, Boston, Massachusetts

Cohen, Milstein, PC, Washington, D.C.,

Spector Roseman Kodroff & Willis, PC, Philadelphia, PA.

## Investment Managers

### Equity

Aletheia Research & Management, Inc., Santa Monica, California  
Brandes Investments Partnership, Inc., San Diego, California  
Kleinworth, Benson Investors, Int'l LTD, Dublin-2, Ireland  
Thornburg Investments, Santa Fe, New Mexico  
Tradewinds Global Investor, Los Angeles, California  
Wellington Management Company, Boston, Massachusetts

### Fixed Income

Ashmore Investment Management, London, England  
Clinton Group, LLC, New York, New York  
Hoisington Investment Management, Austin, Texas  
Orleans Capital Management, Mandeville, Louisiana  
SMH Capital, Fort Worth, Texas

### Real Estate

C B Richard Ellis Strategic Partners, Inc. , Los Angeles, California  
C B Richard Ellis Capital Partners, Inc., New York, New York  
Edison Investments, Inc., Wichita, Kansas  
GE Asset Management, Inc., Stamford, Connecticut  
INVESCO Realty Advisors, Dallas, Texas  
JP Morgan Asset Management, New York, New York  
Land Baron Investments, Las Vegas, Nevada  
Rockspring Capital Land, Houston, Texas  
New Boston Fund, Inc., Boston, Massachusetts  
Sentinel Real Estate, Inc., New York, New York  
VEF Advisors, LLC, Atlanta, Georgia  
Vision Capital, LP—Marietta, Georgia  
World Class Capital Group, Austin, Texas



## Investment Managers

### Timber

Global Forest Partners, West Lebanon, New Hampshire  
RMK Timberland Group, Atlanta, Georgia  
Timberland Investment Resources, Atlanta, Georgia  
Timbevest Crossover, LP, Atlanta, Georgia

### Alternatives

#### Private Equity

CapitalSpring, LLC, New York, New York  
Capital Point Partners, Houston, Texas  
Huff Energy Fund, LP, Morristown, New Jersey  
Sail Capital Partners, LLC, Irvine, California

#### Hedge Fund

Clinton Group, LLC, New York, New York  
Double Eagle Capital Management, Irving, Texas  
Excelsior Investors, LTD, Dallas, Texas  
Guidance Capital Management, LLC, Wilmington, Delaware  
Intercontinental Capital Management, LLC, Boston, Massachusetts

**August 18, 2011**

**2010 Annual Report  
Letter to Members**

**Dear Members,**

The Board of Trustees and staff of the Austin Police Retirement System are pleased to present the Annual Report for the fiscal year ended December 31, 2010.

This annual report is intended to provide complete and reliable information regarding the financial performance of the System as a means to measure the responsible stewardship of the System's assets.

This annual report is divided into the following sections;

- The Financial Section includes an investment overview provided by the System's consultants, the independent auditor's report, Management's Discussion and Analysis (MD&A), basic financial statements, notes to the basic financial statements and required supplemental information
- The Actuarial Section contains the consulting actuary's Certification Letter and the full actuarial valuation report.
- The Historical Information & Benefit Section contains historical improvement highlights for the last 15 years, a comparative statement of membership for the last 2 years and the membership benefit guide.

Montemayor & Hill & Associates, PC, the System's independent auditor, issued an unqualified opinion on the System's financial statements. This report indicates that the financial statements are in accordance with Governmental Accounting Standards Board rulings and that the System's financial condition and operations are fairly presented. It is the best type of report an independent auditor may issue.

The actuarial valuation was performed by Rudd & Wisdom, Inc. The Actuarial Valuation Report states that the overall funding of the System remains sound. The System achieved a funding ratio of 70.5% funded and a funding period of 23.2 years to fully fund.

The System's management staff is responsible for maintaining internal controls. These controls are designed to provide reasonable assurance that the assets are protected and that financial transactions are executed in accordance with Board policy and federal, state, and local laws and regulations. Additionally, the controls provide assurance regarding Management's responsibility to the System and facilitate the timely preparation of financial statements in accordance with generally accepted accounting principles.

At a time when the defined benefit form of public pension plan remains under attack in many jurisdictions around the country, the System's outstanding investment return over time and the diligence of the Board in monitoring the System's funding status help assure its continued financial health.

As always, the Board of Trustees and staff welcome your comments. We appreciate your support and the opportunity to serve you. The Board of Trustees and the staff are dedicated to maintaining the System's excellent financial condition through diversification and sound management of the Pension System. We believe that a strong Pension System benefits the City and its taxpayers, as well as the Members of the System.

Sincerely,



Peter Morin  
Chairman, Board of Trustees



Sampson K. Jordan  
Chief Executive Officer

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# FINANCIAL SECTION

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## Investment Overview

The year 2010 was characterized by significant Federal Reserve easing as they provided ample liquidity to a market that was in need of support and confidence building. Their action seemed to work in the short run although opinions vary widely as to the long term impact of their actions. Under this environment corporate earnings grew and generally beat market expectations allowing for a strong upward move during the second of the year. The S&P500 stock index showed strength during the first quarter, then sold off during the second quarter making a low on July 1st of 1010.91 before catching fire and finishing the year near its highs at 1257.64. International stocks exhibited similar strength as the EAFE Index began the year around 1575, dropped to a low of 1292.02 on 5/25 and then finished the year at 1658.30. The U.S. Dollar Index was extremely volatile during this time frame starting the year around 77 before hitting a high on June 7th at 88.708, then falling to a low of 75.631 on November 4th and ending the year at 79.028. Despite these positive attributes, Real Estate continued to be depressed and unemployment figures remained well above acceptable levels. The year was characterized as a job-less recovery, which calls into question its sustainability.

Consumer demand surprised to the upside as the Emerging Economies continued to show strength.

At year end, the portfolio was valued on a mark-to-market basis at \$489.3 million dollars or an increase of over \$58 million dollars from the prior year. Net contributions into the portfolio were just over \$9mm. The portfolio's annualized return net of fees for the year was over 10%. The portfolio's equity exposure represented 37.5% of the total fund and generated a return for the year of 16.7% beating the S&P500 Index by 1.60%. Much of this performance is attributable to the solid stock selection of the managers hired to invest portions of the portfolio and to its overweight to the Energy sector and Materials. The Fixed Income component of the portfolio contributed nicely generating a 15.2% return compared to the Barclay's Aggregate Bond Index (a proxy for Core Domestic Fixed Income market) return of just 6.5%. Most of this outperformance can be attributed to its high yield and Emerging Market Debt allocation. The Fixed Income allocation represented 16.8% of the total portfolio at year-end.

One sector of the market that did not experience a rebound was the private real estate market. The portfolio's allocation to real estate and timber of 25.6% remained about the same as losses in some investments offset small gains in others. At least the markets seemed to have found an equilibrium as prices remained about the same level as they began the year. A significant portion of this real estate is located in Texas where the economic conditions are better than in other major geographic locations, thus it is expected that these investments will ultimately rebound from their current market prices.

The portfolio has approximately 9.2% of its assets invested in private equity funds. A significant portion of which is directed toward energy and clean (or "green") technology. These investments did quite well rising in value by 13.6%. The hedge fund allocation represents 8.5% of the portfolio and generated a 13% return net of fees.

The Trustees remain committed to investing in a well diversified mix of investments among various asset classes managed by professional money managers who have demonstrated their competence over time with a goal of generating a return that equals or exceeds the actuarial return assumption of 8%.

Prepared by: Consulting Services Group LLC; Investment Consultant to the Board

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**Montemayor Hill & Company, P.C.**  
CERTIFIED PUBLIC ACCOUNTANTS

INDEPENDENT AUDITOR'S REPORT

Board of Trustees  
City of Austin Police Retirement System

We have audited the accompanying statements of plan net assets of the City of Austin Police Retirement System (System) as of December 31, 2010 and 2009, and the related statements of changes in plan net assets for the years then ended. These basic financial statements are the responsibility of the System's management. Our responsibility is to express an opinion on these financial statements based on our audits.

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

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial status of the System as of December 31, 2010 and 2009, and the changes in its financial status for the years then ended in conformity with accounting principles generally accepted in the United States of America.

Management's discussion and analysis (MD&A) and the required supplementary information on pages 2 through 5 and pages 20 and 21 are not a required part of the basic financial statements of the System, but are supplementary information required by the accounting principles generally accepted in the United States of America. We have applied certain limited procedures, which consisted principally of inquiries of management regarding the methods of measurement and presentation of the required supplementary information. However, we did not audit the information and express no opinion on it.



17 August 2011  
Austin, Texas

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## City of Austin Police Retirement System Management Discussion and Analysis

This section of the City of Austin Police Retirement System's (the System) financial report presents our discussion and analysis of the System's financial performance during calendar years 2010 and 2009. We encourage readers to consider the information presented here in conjunction with our financial statements that follow.

### Financial Highlights

- Plan net assets held in trust by the System increased by \$60.5 million or 14.0%, in 2010 and by \$44.9 million, or 11.6%, in 2009. The asset increase in 2010 is a result of continuing global market growth brought on by economic stimulus packages, provided in 2009. The asset increase in 2009 is a direct result of global market equity recovery due to US Treasury bail out and global economic stimulus packages, provided after the Great Global Recession December 2007- July 2009.
- Contributions increased by \$1.63 million, or 4.25% in 2010 and increased by \$3.5 million, or 10.0% in 2009. The increase in 2010 is due to increases in the City of Austin's required contributions to 19.63% effective October 1, 2010 from 18.63% of basic compensation in 2009 and 3% general wage increase, although decrease in number of participants. The increase in 2009 is due to 18.63% effective January 2009 from 18.0% in 2008, in order to fund member proportionate retirement option and increase in number of participants.
- The amount of benefits paid to retired members, beneficiaries and refunded to terminating employees increased approximately \$2.7 million, or 9.5%, during 2010 and \$2.1 million, or 7.9%, during 2009. The increase in 2010 is due to the increase in number of System retirees by 5.0% and increase in 2009 is due to the increase number of retirees by 8.2%.
- The System's rate of return on investments for the year ended December 31, 2010 was 12.11% gross of fees and 10.86% net of fees, on a market value basis, which was more than the return of 9.94% gross of fees and 9.24% net of fees for the year ended December 31, 2009.
- The funding objective of the System is to meet long-term benefit obligations through contributions and investment income. As of December 31, 2010, the date of the most recent actuarial valuation, the System's funding ratio of actuarial assets as a percentage of actuarial liabilities is 70.5% which is down from the 70.6% level at December 31, 2009. This is a similar investment experience. The actuarial assumed rate of return is 8.00%, net of fees and administrative expenses.

## City of Austin Police Retirement System Management Discussion and Analysis

### Overview of the Financial Statements

This discussion and analysis is intended to serve as an introduction to the Systems' financial statements, which are comprised of the following:

- **Statement of Plan Net Assets** - presents the Systems' assets and liabilities and the resulting net assets, which are held in trust for pension benefits. This statement reflects a year-end snapshot of the Plan's investments at fair value, along with cash and short-term investments, receivables and other assets and liabilities.
- **Statement of Changes in Plan Net Assets** - provides a view of current year additions to and deductions from the plan. These two statements report the System's net assets held in trust for pension benefits (net assets) – the difference between assets and liabilities – is one way to measure the Systems' financial position. Over time, increases and decreases in net assets are one indicator of whether its financial health is improving or deteriorating.
- **Notes to the Financial Statements** - provide additional information that is essential to a full understanding of the data provided in the financial statements.

Collectively, this information presents the net assets held in trust for pension benefits as of the end of each year, and summarizes the changes in net assets held in trust for pension benefits for the year.

### Financial Analysis

#### Summary of Plan Net Assets December 31, 2010, 2009 and 2008

<u>Assets</u>	<u>2010</u>	<u>2009</u>	<u>2008</u>
Cash, receivables and prepaids	\$ 2,490,384	\$ 3,169,153	\$ 2,897,215
Investments, at fair value	489,900,855	428,570,639	383,901,458
Fixed assets, net	744,435	819,796	899,135
Total assets	<u>493,135,674</u>	<u>432,559,588</u>	<u>387,697,808</u>
<u>Liabilities</u>			
Total liabilities	<u>590,455</u>	<u>532,034</u>	<u>577,388</u>
Net assets held in trust for pension benefits	<u>\$492,545,219</u>	<u>\$432,027,554</u>	<u>\$387,120,420</u>



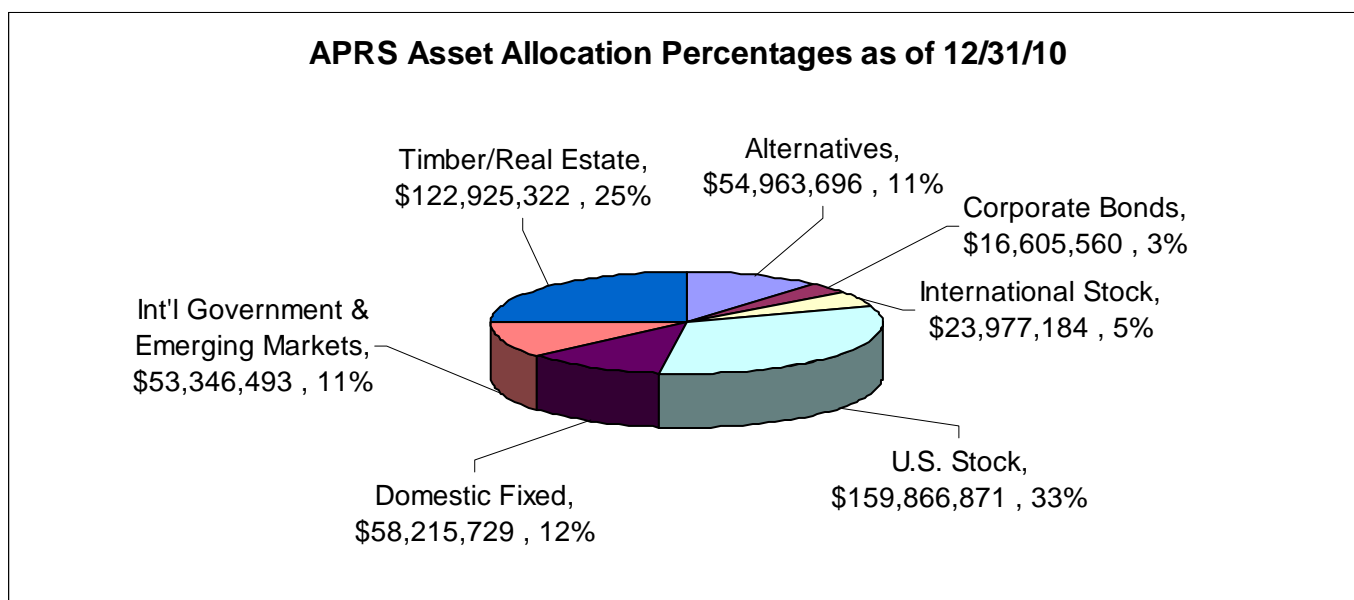
## City of Austin Police Retirement System Management Discussion and Analysis

**Assets.** The Systems' net assets held in trust for pension benefits increased by \$60.5 million in 2010, by \$44.9 million in 2009, and decreased by \$127.9 million in 2008. The 2010 increase reflects the continuing global market recovery brought on by economic stimulus packages, provided in 2009. The 2009 increase reflects the equity market rebound in the global economy after the US Treasury provided bailout monies and guarantees to the financial markets and other countries provided economic stimulus, to avert severe global recession. The 2008 decrease is primary the result of global financial market collapse in all asset classes, resulting in write downs, causing unfavorable investments.

The decrease in cash, receivables and prepays of approximately \$678 thousand in 2010 is primarily due to less interest, dividends receivables in fixed income investments. The increase in cash, receivables and prepays of approximately \$272 thousand in 2009 is primarily due to interest, dividends and contribution receivables at year end. The increase in cash, receivables and prepays of approximately \$1.06 million in 2008 is primarily due to interest, dividends and receivables at year end.

Total investments were \$489.9 million at the end of fiscal year 2010, \$428.6 million at the end of fiscal year 2009 and \$383.9 million at the end of fiscal year 2008, which is an increase of \$61.3 million, or 14.3%, for fiscal year 2009.

Below is a chart of the System's asset allocation for fiscal year ending December 31, 2010:



## City of Austin Police Retirement System Management Discussion and Analysis

**Liabilities.** Liabilities increased by \$58 thousand in 2010 and decreased by \$45 thousand in 2009. The increase in 2010 is primarily due to more contribution refunds at year end. The decrease in 2009 is primarily due to less contributions refunds being due and payable at year end.

### Summary of Changes in Plan Net Assets Years Ended December 31, 2010, 2009 and 2008

	<u>2010</u>	<u>2009</u>	<u>2008</u>
<b><u>Additions</u></b>			
Contributions	\$ 40,081,162	\$ 38,447,581	\$ 34,942,710
Investment income	54,287,435	37,460,898	(133,456,971)
Investment expenses	<u>(2,143,930)</u>	<u>(2,007,344)</u>	<u>(2,406,055)</u>
Net investment income	52,143,505	35,453,554	(135,863,026)
Other income	<u>91,722</u>	<u>97,852</u>	<u>74,419</u>
Total additions	92,316,389	73,998,987	(100,845,897)
<b><u>Deductions</u></b>			
Benefit payments & contributions refunded	30,875,847	28,173,153	26,118,172
General and administrative expenses	<u>922,877</u>	<u>918,700</u>	<u>927,184</u>
Total deductions	<u>31,798,724</u>	<u>29,091,853</u>	<u>27,045,356</u>
Net increase/decrease	60,517,665	44,907,134	(127,891,253)
Net assets held in trust for pension beginning of year	<u>432,027,554</u>	<u>387,120,420</u>	<u>515,011,673</u>
Net assets held in trust for pension end of year	<u>\$492,545,219</u>	<u>\$432,027,554</u>	<u>\$387,120,420</u>

**Additions.** Funds to pay benefits are accumulated through contributions and returns on invested funds. Member and City of Austin contributions for 2010 and 2009 totaled \$40.0 million and \$38.4 million, respectively. The 2010 contributions represent an increase of \$1.63 million, or approximately 4.2% above the 2009 level and the 2009 contributions represent an increase of \$3.5 million, or approximately 10.0% above 2008 level. The increase in 2010 is due to City of Austin contributions increasing to 19.63% effective October 1, 2010 from 18.63%, 3% general wage increase and decrease in members. The increase in 2009 is due to City of Austin contributions increasing to 18.63% from 18.25% effective January 2009 and increase in members.

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## City of Austin Police Retirement System Management Discussion and Analysis

The System incurred a positive return on the market value of its investments of 14% during 2010 and 11.6% during 2009. The 2010 gains of \$60.6 million and 2009 gains of \$44.9 million were due to performance of the portfolio assets over previous year. Net investment loss in 2008 of \$135.8 million was due to global financial market collapse in all asset classes. Interest, dividend income generated in 2010 of \$5.7 million was decrease from the \$7.7 million received in 2009. The total rate of return for the System's investment portfolio in 2010 was 10.86% (net of investment fees) as compared to 9.24% (net of investment fees) for 2009.

**Deductions.** The expenses paid by the System include benefit payments, refunds of member contributions, and administrative expenses. Benefits paid to retirees, beneficiaries and alternate payees in 2010 were \$30.3 million, an increase of \$2.7 million over the \$27.6 million paid in 2009. This is consistent with the increase in the number of retirees, beneficiaries and alternate payees to 543 in 2010 from 514 in 2009. Refunds to terminating employees in 2010 decreased by \$54 thousand from 2009 refunds paid. Administrative expenses in 2010 were \$922 thousand, approximately \$4,000 more than those incurred in 2009.

Investment expenses paid by the System annually increased by \$136.5 thousand in 2010 and decreased by \$399 thousand in 2009. The increase in 2010 is due to market performance fee appreciation values on investment assets, and the decrease in 2009 is due to market performance fee reductions from losses on investment assets.

**Overall Analysis.** As of December 31, 2010, net assets increased by \$60.5 million or 14.0% from prior year and over the five-year period ending December 31, 2010 the net assets were 3.85%. The past five-year period growth was dramatically impacted in 2008 by global market financial collapse at major banks, insurance, investment banks and brokerage firms occurred, when the subprime and liquidity crisis in the US mortgagee market created large losses from 25-40% in institutional financial portfolios.

**Request for Information.** This financial report is designed to provide a general overview of the finances of the City of Austin Police Retirement System for all parties with an interest. Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to CEO, City of Austin Police Retirement System, P.O. Box 41089, Austin, Texas 78704-0019.

Statement of Plan Net Assets  
December 31, 2010 and 2009

## ASSETS

	<u>2010</u>	<u>2009</u>
Investments, at fair value		
Real estate interests	\$114,332,543	\$105,627,556
Corporate stocks	159,866,871	118,327,434
Government bonds	7,805,823	6,980,841
International government securities	53,346,493	45,673,677
International stocks	23,977,184	40,848,123
Short-term investment funds	10,647,971	26,219,556
Partnership interests	47,946,856	39,068,791
Corporate bonds	16,605,560	18,573,942
Alternatives	54,963,696	26,929,577
Retiree death benefit fund	<u>407,858</u>	<u>321,142</u>
Total investments	489,900,855	428,570,639
Cash	311,721	131,916
Interest and dividends receivable	801,965	1,760,333
City of Austin retirement contributions receivable	779,634	719,787
City of Austin death benefit contributions receivable	4,137	3,818
Deferred Revenue	(5,715)	0
Participant contributions receivable	565,892	522,450
Proportionate retirement program contributions receivable	27,197	25,105
Fixed assets, net	744,435	819,796
Other	<u>5,553</u>	<u>5,744</u>
	<u>493,135,674</u>	<u>432,559,588</u>
LIABILITIES		
Accounts payable and accrued liabilities	462,698	493,985
Refunds payable	<u>127,757</u>	<u>38,049</u>
	<u>590,455</u>	<u>532,034</u>
NET ASSETS HELD IN TRUST AVAILABLE FOR PENSION BENEFITS	<u>\$492,545,219</u>	<u>\$432,027,554</u>

Statement of Changes in Plan Net Assets  
December 31, 2010 and 2009

ADDITIONS TO PLAN NET ASSETS:	<u>2010</u>	<u>2009</u>
Contributions:		
City of Austin retirement contributions	\$23,382,043	\$22,159,076
City of Austin death benefit contributions	119,860	113,591
Participant contributions	<u>16,579,259</u>	<u>16,174,914</u>
	<u>40,081,162</u>	<u>38,447,581</u>
Investment income:		
Net increase (decrease) in the fair value of investments	48,574,726	29,741,787
Interest and dividends	5,712,709	7,719,111
Securities lending	0	0
Rental and other income	<u>91,722</u>	<u>97,852</u>
Total investment gain (loss) before expenses	54,379,157	37,558,750
Investment expenses	<u>(2,143,930)</u>	<u>(2,007,344)</u>
Net gain (loss) from investments	<u>52,235,227</u>	<u>35,551,406</u>
Total additions (deletions) to net assets available for benefits	<u>92,316,389</u>	<u>73,998,987</u>
DEDUCTIONS FROM NET ASSETS AVAILABLE FOR BENEFITS:		
Retirement benefit payments	30,345,154	27,508,640
Death benefit payments	37,500	117,500
Contributions refunded to terminating employees	493,193	547,013
General and administrative expenses	<u>922,877</u>	<u>918,700</u>
Total deductions from net assets available for benefits	<u>31,798,724</u>	<u>29,091,853</u>
NET INCREASE (DECREASE) IN NET ASSETS AVAILABLE FOR BENEFITS	60,517,665	44,907,134
Beginning net assets available for benefits	<u>432,027,554</u>	<u>387,120,420</u>
ENDING NET ASSETS AVAILABLE FOR BENEFITS	<u>\$492,545,219</u>	<u>\$432,027,554</u>

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## Notes to Financial Statements

### **Note 1: Organization and System 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 to plan members and their beneficiaries. 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 the actuarial valuation date of December 31, 2010, the monthly benefit is equal to 3.2% of the highest 36-month average salary multiplied by years and months of service.

The Retroactive Deferred Retirement Option Plan (RETRO DROP) provisions 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 April 1, 2007, the RETRO DROP was amended to include FORWARD DROP participation. Further, the RETRO DROP provisions may be changed in the future by Board rule with approval by the System's actuary, except, the age 62 minimum eligibility regardless of services may not be changed.

The Post Retirement Option Plan (PROP) is an option allowing retiring officers to leave their RETRO DROP lump sum in the System for a period of time. The participant can elect to receive partial payments from the RETRO DROP lump sum account and can also elect to delay payment of the entire RETRO DROP lump sum. Effective April 1, 2006, this option was amended whereby retirees have the ability to defer their monthly annuity payments to an interest bearing PROP account. Effective October 1, 2007 this option was amended to include a partial deferral of a retiree's monthly annuity payment into an interest bearing PROP account. Interest credits will be paid on the participant's PROP account following the participant's retirement until the entire lump sum is paid. The interest credits will be granted based on an annual rate determined from time to time by Board Rule.

## Notes to Financial Statements

### Note 1: Organization and System Description

Permissive Service Delayed Retirement is an option allowing a member with at least 20 years of credited pension service at termination of employment with the APD has the option to a Delayed Retirement benefit. The Delayed benefit is payable upon completion of purchase of service credit for each year of credited pension service. The maximum service credit purchase is 5 years.

A \$10,000 post-retirement lump sum death benefit is payable from a separate Retiree Death Benefit Fund (account) administered by the System. As of December 31, 2010 and 2009, the assets of the Retiree Death Benefit Fund were \$407,858 and \$321,142, respectively, which are included in the System's total market value of Net Assets Held in Trust Available for Pension Benefits of \$492,545,219 and \$432,027,554, respectively.

Distributions to members or their beneficiaries are also available in the event of total and permanent disability, provided the member 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 member, their level of earnings and length of service. Payments to members or their beneficiaries may be increased annually on an ad hoc basis, limited to 6% per year, and subject to the approval of the Retirement Board and the actuary.

Beginning in 2009, the System and the city began participating in the Texas Statewide Proportionate Retirement Program (PRP). Service in other participating public employment retirement systems can be combined with service in the System to satisfy the System's requirements for service retirement eligibility and for eligibility for vested benefits for a terminated member. The participating systems, in addition to the System, are the six Texas statewide systems, the City of Austin Employees' Retirement System, and the systems for the City of El Paso employees.

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, 2010 and 2009:

Retirees and beneficiaries currently receiving benefits	<b><u>2010</u></b>
and terminated employees entitled to future monthly benefits	564
Current participating members	<b><u>1,624</u></b>
2010 Total	<b><u>2,188</u></b>

## Notes to Financial Statements

### Note 1: Organization and System Description

Retirees and beneficiaries currently receiving benefits (514) and terminated employees entitled to future monthly benefits (20)	<u>2009</u> 534
Current participating members	<u>1,651</u>
2009 Total	<u>2,185</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' payroll is earned. Benefits and refunds are recognized when due and payable in accordance with the terms of the plan.

#### CONTRIBUTIONS RECEIVABLE

The final biweekly payroll contributions of employees for the years ended December 31, 2010 and 2009, and the City's related contributions were not deposited in the System by year end and are shown as contributions receivable in both years.

#### 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. The System's real estate investments are appraised periodically and the System receives audited financial statements from the real estate investment managers, which are used to estimate fair value. Investment income is recognized in the period earned, and purchases and sales of investments are recorded on a trade-date basis.



## Notes to Financial Statements

### Note 2: Summary of Significant Accounting Policies

#### SYSTEM EXPENSES

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

#### SUBSEQUENT EVENTS

Management has evaluated subsequent events as of August 17, 2011, the date the financial statements were available to be issued.

### Note 3: 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, 2010 consisted of:

	<u>Beginning Balance</u>	<u>Additions</u>	<u>Deletions</u>	<u>Ending Balance</u>
Assets not being depreciated				
Land	\$150,000	\$0	\$0	\$150,000
Assets being depreciated				
Buildings and improvements	870,216	0	0	870,216
Furniture and equipment	478,034	6,104	(5,184)	478,954
Leasehold improvements	50,886	6,100	0	56,986
Accumulated depreciation	<u>(729,340)</u>	<u>(87,565)</u>	<u>5,184</u>	<u>(811,721)</u>
Net Fixed Assets	<u>\$819,796</u>	<u>(\$75,361)</u>	<u>\$0</u>	<u>\$744,435</u>

## Notes to Financial Statements

### Note 4: Federal Income Taxes

The System is a Public Employee Retirement System and is exempt from Federal income taxes. Favorable determination letters from the Internal Revenue Service were issued in September 1996, April 2007 and July 2009.

### Note 5: Deposit and Investment Risk

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.

The Board has adopted an Investment Policy Statement (IPS) to set forth the factors involved in the management of investment assets for the System and the IPS is included with every investment manager's agreement. The fair values of the System's investments at December 31, 2010 and 2009 are presented, by type, as follows:

<b>Investment Type</b>	<b>2010</b>	<b>2009</b>
Real Estate Interests	\$114,332,543	\$105,627,556
Corporate Stocks	159,866,871	118,327,434
Government Bonds	7,805,823	6,980,841
International Government Securities	53,346,493	45,673,677
International Stocks	23,977,184	40,848,123
Partnership Interests	47,946,856	39,068,791
Corporate Bonds	16,605,560	18,573,942
Alternatives	54,963,696	26,929,577
Short-term Investment Funds	11,055,829	26,540,698
Total Investments	\$489,900,855	\$428,570,639

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## Notes to Financial Statements

### Note 5: Deposit and Investment Risk

#### CUSTODIAL CREDIT RISK

Custodial credit risk for deposits is the risk that, in the event of the failure of a depository financial institution, the System will not be able to recover deposits or will not be able to recover collateral securities that are in the possession of an outside party. Deposits are exposed to custodial credit risk if they are uninsured and uncollateralized. While the System has no formal policy regarding custodial credit risk, operating bank account deposits in excess of the \$250,000 coverage by FDIC are covered by pledged securities held as collateral. As of December 31, 2010 and 2009, the System's operating bank balance of \$318,004 and \$1,515,978, respectively, was not exposed to custodial credit risk.

Custodial credit risk for investments is the risk that, in the event of the failure of the counterparty to a transaction, a government will not be able to recover the value of investment or collateral securities that are in the possession of an outside party. Investment securities are exposed to custodial credit risk if the securities are uninsured, are not registered in the name of the System and are held by either the counterparty or the counterparty's trust department or agent but not in the System's name. As of December 31, 2010 and 2009, the System's investment securities are not exposed to custodial credit risk because all securities are held by the System's custodial bank in the System's name.

#### CONCENTRATION OF CREDIT RISK

Concentration of credit risk is the risk of loss attributed to the magnitude of the System's investment in a single issuer. Investments issued or explicitly guaranteed by the U.S. government and investments in mutual funds, external investment pools and other pooled investments are excluded from this requirement. As of December 31, 2010 and 2009, there is no security issued by a single issuer that holds more than 5% of the System's fund. However, as of December 31, 2010 there is 1 organization – Rockspring Capital Land – and as of December 31, 2009 there are 2 organizations—Rockspring Capital Land and RMK Timberland Group - that hold more than 5% of the System's total fund. As of December 31, 2010, Rockspring Capital Land hold approximately 5.33% and RMK Timberland Group 3.99%, respectively. As of December 31, 2009, Rockspring Capital Land and RMK Timberland Group hold approximately 6.14% and 5.02%, respectively.

## Notes to Financial Statements

### Note 5: Deposit and Investment Risk

The Board and Investment Policy Statement (IPS) adopts the philosophy that the most effective risk control procedure is to adequately diversify the investments of the Fund among different asset classes with differing risk profiles. Diversification is achieved through providing a wide variety of investment classes in which to invest the Systems funds. The IPS sets the following allowable ranges and target asset allocations for the Systems' funds:

<b>Class</b>	<b>Allowable Range</b>	<b>Target Asset Allocation</b>
Equity	20% - 65%	40.00%
U.S. Large Cap	0% - 55%	
U.S. Small Cap	0% - 30%	
International	0% - 35%	
Special Situations	0% - 30%	
Fixed Income	15% - 70%	20.00%
Investment Grade	0% - 50%	
High Yield	0% - 25%	
International	0% - 30%	
Private	0% - 25%	
Real Estate	0% - 40%	25.00%
Real Estate	0% - 30%	
Timber	0% - 15%	
Alternatives	0% - 30%	15.00%
Hedge Funds	0% - 30%	
Private Equity	0% - 20%	

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## Notes to Financial Statements

### Note 5: Deposit and Investment Risk

The allowable range means the minimum and maximum percentage of each asset class allowed. The target asset allocation is the average allocation desired over time. The Board has the ability to make the decision to deviate from these ranges when it deems necessary based on the market conditions.

Along with diversification, the Board and IPS set investment goals and guidelines as follows:

#### Return Objective

- To exceed the actuarial target rate of return
- To manage the asset mix and outside professional money managers in a manner that provides the maximum likelihood of achieving this objective each year within an acceptable level of market risk

#### Manager risk guidelines

- No manager will be allocated more than 15% of the Fund's assets, to avoid undue manager concentration, unless that manager is assigned an investment grade core bond mandate, whereby it may be permitted to manage up to 25% of the fund's assets
- APRS's allocation to any manager will not represent more than 20% of the assets that the manager is managing in the same strategy

#### Security concentration guidelines

- No single stock position or corporate debt instrument should represent more than 10% of a manager's portfolio at market
- No industry (as defined by each investment managers appropriate benchmark) should represent more than 2 times its weighting in the corresponding market index or 20%, whichever is greater

#### Volatility guidelines

- The primary concern for the Board is return but the Board does not want to assume excessive risk in its search for return
- One form of measurement of the risk inherent in the portfolio is the volatility or annualized standard deviation of the portfolio's returns as measured on a quarterly basis
- The Board will seek to achieve its return objective with no more than 75% of the volatility exhibited by the S&P 500 index

## Notes to Financial Statements

### Note 5: Deposit and Investment Risk

In conjunction with these goals and guidelines are responsibilities of the investment committee, third party consultants, custodians and money managers. The IPS also outlines the review and control procedures that the Board will monitor for compliance.

#### INTEREST RATE RISK

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. The System does not have a formal policy that limits investment maturities as a means of managing its exposure to fair value losses arising from increasing interest rates.

As of December 31, 2010, the System had the following investments and maturities:

<b>Investment Type</b>	<b>Fair Value</b>	<b>Less than 1 year</b>	<b>1 to 6 years</b>	<b>6 to 10 years</b>	<b>Over 10 years</b>
Corporate Bonds	\$16,605,560	\$66,567	\$6,544,159	\$6,681,119	\$3,313,715
International Securities	36,386,291	35,962,985	423,306		
Government Bonds	7,805,823	47,071			7,758,752
<b>Totals</b>	<b><u>\$60,797,674</u></b>	<b><u>\$36,076,623</u></b>	<b><u>\$6,967,465</u></b>	<b><u>\$6,681,119</u></b>	<b><u>\$11,072,467</u></b>

## Notes to Financial Statements

### Note 5: Deposit and Investment Risk

As of December 31, 2009, the System had the following investments and maturities:

Investment Type	Fair Value	Less than 1 year	1 to 6 years	6 to 10 years	Over 10 years
Corporate Bonds	\$18,573,942	\$1,001,049	\$11,666,977	\$3,639,938	\$2,265,978
International Securities	29,791,452	0	10,512,431	19,279,021	0
Government Bonds	<u>6,980,841</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>6,980,841</u>
Totals	<u>\$55,346,235</u>	<u>\$1,001,049</u>	<u>\$22,179,408</u>	<u>\$22,918,959</u>	<u>\$9,246,819</u>

### CREDIT RISK

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations to the System. While the System has no formal investment policy regarding credit quality rating guidelines, the IPS allows investment managers full discretion in adopting investment strategies to deal with these risks and the portfolios are monitored quarterly by the investment committee.

## Notes to Financial Statements

### Note 5: Deposit and Investment Risk

The quality ratings of investments in fixed income securities as described by nationally recognized statistical rating organizations at December 31, 2010, are as follows:

Quality Rating	Total Fair Value	Int'l Securities	Corporate Bonds	Government Bonds
A1/A+	\$1,304,355	\$726,553	\$577,802	
A2/A	2,177,132	322,150	1,854,982	
A3/A-	1,422,209	68,200	1,354,009	
Aa2/AA	4,750	4,750		
Aaa	4,119,062	52,550		\$4,066,512
A3/A-	495,792	495,792		
B1/B+	4,845,096	3,924,856	920,240	
B2/B	40,320		40,320	
B3/B-	1,754,996		1,754,996	
Ba1/BB+	2,765,078	2,557,578	207,500	
Ba2/BB	3,552,016	3,354,766	197,250	
Ba3/BB-	3,786,882	2,908,512	878,370	
Baa1/BBB+	4,236,788	3,386,176	850,612	
Baa2/BBB	3,248,374	1,183,195	2,065,179	
Baa3/BBB-	4,979,643	3,889,328	1,090,315	
B2//B and below	8,403,643	8,403,643		
Caa1/CCC+	2,047,918		2,047,918	
C/C	478,764		478,764	
Not Rated US Gov't Guaranteed	24,191,645	22,235,686	1,955,959	
Cash & Equivalent	3,692,240			3,692,240
	<u>970,626</u>	<u>592,211</u>	<u>331,344</u>	<u>47,071</u>
<b>Total</b>	<b><u>\$78,517,329</u></b>	<b><u>\$54,105,946</u></b>	<b><u>\$16,605,560</u></b>	<b><u>\$7,805,823</u></b>



## Notes to Financial Statements

### Note 5: Deposit and Investment Risk

The quality ratings of investments in fixed income securities as described by nationally recognized statistical rating organizations at December 31, 2009, are as follows:

Quality Rating	Total Fair Value	Int'l Securities	Corporate Bonds	Government Bonds
A1/A+	\$2,531,682	\$360,518	\$2,171,164	
A2/A	410,229	160,016	250,213	
A3/A-	331,599	331,599		
Aa2/AA	71,332	71,332		
Aaa	6,980,841			6,980,841
B1/B+	4,655,783	1,909,597	2,746,186	
B3/B-	541,390	541,390		
Ba1/BB+	3,465,887	1,527,529	1,938,358	
Ba2/BB	2,324,640	2,324,640		
Ba3/BB-	4,886,946	4,886,946		
Baa1/BBB+	6,394,912	2,016,586	4,378,326	
Baa2/BBB	1,991,523	1,991,523		
Baa3/BBB-	2,031,975	2,031,975		
B2//B and below	3,831,088	3,831,088		
Ca/CC	1,195,046		1,195,046	
Caa1/CCC+	2,237,823	256,503	1,981,320	
Caa2/CCC	778,971	778,971		
C/C	642,588	175,558	467,030	
Not Rated	24,493,904	21,047,605	3,446,299	
Cash & Equivalent	<u>1,430,297</u>	<u>1,430,297</u>	_____	_____
Total	<u>\$71,228,456</u>	<u>\$45,673,673</u>	<u>\$18,573,942</u>	<u>\$6,980,841</u>

## Notes to Financial Statements

### Note 5: Deposit and Investment Risk

#### FOREIGN CURRENCY RISK

Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of an investment or a deposit. Although the System does not have a formal investment policy governing foreign currency risk, the System does manage its exposure to fair value loss by requiring their international investment managers to maintain diversified portfolios to limit foreign currency risk.

The System holds investments in ADRs (American Depository Receipts) which are not included in the schedule below since they are denominated in US dollars and accounted for at fair market value.

The System's exposure to foreign currency risk as of December 31, 2010, is as follows:

(1)

Currency	-Int'l Stocks	Int'l Gov't Securities	Corp Stocks (1)	Other (2)
Euro	\$611,939	\$14,427		
Mexican Peso		566,620		
Indonesia Rupiahs		615,594		
Hong Kong Dollar	1,053,918	125,662		
Japanese Yen	189,990			
Turkish New Lira				
Norwegian Krone		408,512		
British Pound	2,012,802	293,781		
Philippines Pesos		196,564		
Brazilian Real	1,805,955	2,387,615		
Danish Krone				
Swiss Franc	2,303,591			
Australian Dollar	1,335,408			\$1,720,896
Swedish Krona				
Singapore Dollar				
Russian Ruble				
South Korean Won		192,957		
Canadian Dollar	1,755,893		\$40,512	
India Rupees		618,959		3,243,821
Nigeria Nairas				
China Yuan Renminbi		279,874		
Thailand, Thai Baht		326,720		
United Arab Emirates Dirhams		718,028		
Other		1,313,151		
Totals	\$11,069,486	\$8,058,464	\$40,512	\$4,964,717

Represents a commingled pool in global equity investments

(2) Represents a commingled timberfund and a real estate partnership interest.

## Notes to Financial Statements

### Note 5: Deposit and Investment Risk

The System's exposure to foreign currency risk as of December 31, 2009, is as follows:

Currency	-Int'l Stocks	Int'l Gov't Securities	Corp Stocks (1)	Other (2)
Euro	\$12,930,831	\$882,560		
Mexican Peso		188,934		
Indonesia Rupiahs		203,292		
Hong Kong Dollar	1,464,226	142,940		
Japanese Yen	7,112,209			
Turkish New Lira		417,703		
Norwegian Krone	789,105			
British Pound	3,374,560			
Philippines Pesos		171,528		
Brazilian Real		356,041		
Danish Krone				
Swiss Franc	2,456,668			
Australian Dollar	261,069			\$3,395,039
Swedish Krona	434,897			
Singapore Dollar		144,528		
Russian Ruble		181,223		
South Korean Won		512,564		
Canadian Dollar	246,483		\$4,031	
India Rupees		188,934		1,995,958
Nigeria Nairas		408,934		
United Arab Emirates Dirhams		573,374		
Other		1,366,927		
<b>Totals</b>	<b>\$29,070,048</b>	<b>\$5,739,482</b>	<b>\$4,031</b>	<b>\$5,390,997</b>

(1) Represents a commingled pool in global equity investments

(2) Represents an open-end institutional mutual fund

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## Notes to Financial Statements

### 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 that were in effect on December 31, 2010, participants were required to contribute 13% of their basic compensation to the System, effective October 1, 2007.

The City's required contributions were equal to 18.25% of basic compensation effective January 1, 2009 and increased to 18.63% effective October 1, 2009 and to 18.63% effective October 1, 2009. The City's contribution rate increased to 19.63% on October 1, 2010.

Since September 1, 2003, a portion of the City's total contribution has been allocated to the Retiree Death Benefit Fund. This portion, redetermined annually, was 0.091% for 2009 based on the December 31, 2007 actuarial valuation and is 0.092% for 2010 based on the December 31, 2008 actuarial valuation. This portion was redetermined based on the December 31, 2009 actuarial valuation to be 0.098% for 2011.

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 from 9% to 11% effective October 2006 and to 13% effective October 2007 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 at the time any change is made. 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, 2010 and the plan provisions recognized in that valuation, the normal cost was 22.438% of pay and the amortization period was 23.2 years.

## Notes to Financial Statements

### Note 7: Commitments and Contingencies

The System's investments in real estate and partnership interests are included in the table appearing in Note 5. In connection with those investments, the System has remaining commitments as of December 31, 2010 and 2009 of approximately \$23.9 million and \$39.1 million, respectively, pursuant to the terms of the respective interests.

At December 31, 2010 and 2009, the total accumulated lump sum benefit due to forward DROP participants was \$1,856,241 and \$1,316,384, respectively.

At December 31, 2010 and 2009, the total accumulated lump sum benefit due to PROP participants was \$10,801,564 and \$8,652,438, respectively.

### Note 8: Funded Status and Funding Progress Pension Plans

The funded status of each plan as of December 31, 2010, the most recent actuarial valuation date, is as follows:

<b>Actuarial Valuation Date</b>	<b>Actuarial Value of Assets (a)</b>	<b>Actuarial Accrued Liability (AAL) Entry Age (b)</b>	<b>Unfunded AAL (UAAL) (b-a)</b>	<b>Funded Ratio (a/b)</b>	<b>Covered Payroll (c)</b>	<b>UAAL as a Percentage Of Covered Payroll ((b-a)/c)</b>
12/31/10	\$545,956,628	\$776,231,027	\$229,274,399	70.5%	\$127,731,696	179.5%

The schedules of funding progress, presented as required supplementary information (RSI) following the notes to the financial statements, present multiyear trend information about whether the actuarial values of plan assets are increasing or decreasing over time relative to the AALs for benefits.

## Notes to Financial Statements

### Note 8: Funded Status and Funding Progress Pension Plans

Additional information as of the latest actuarial valuation follows:

Valuation date	December 31, 2010
Actuarial cost method	Entry age
Amortization method	Level percentage of projected payroll, open
Remaining amortization period	23.2 years
Asset valuation method	Market value smoothed by a 5-year deferred recognition method with a 80%/120% corridor on the market
Actuarial assumptions:	
Investment rate of return, net of expenses	8.0%
Projected salary increases	4.0 % to 22.0% per year, averaging 6.8%
Inflation rate per year	4.0%
Postretirement cost-of-living adjustments	0.0%

## Disclosures in Accordance with GASB Statement No. 50 Required Supplementary Information

### I. Schedule of Funding Progress

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

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) Entry Age (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Annual Covered Payroll (c)	UAAL as a Percentage Of Covered Payroll ((b-a)/c)
12/31/05 <sup>(2)</sup>	\$371,504,533	\$494,640,856	\$123,136,323	75.1%	\$93,428,957	131.8%
12/31/06 <sup>(2,3)</sup>	417,283,844	576,125,324	158,841,480	72.4	100,090,151	158.7
12/31/07 <sup>(2)</sup>	482,303,290	637,559,674	155,256,384	75.6	111,809,091	138.9
12/31/08 <sup>(2,4)</sup>	464,230,585	693,202,499	228,971,914	67.0	122,735,216	186.6
12/31/09 <sup>(2)</sup>	518,111,923	733,634,660	215,522,737	70.6	122,928,285	175.3
12/31/2010	546,956,628	776,231,027	229,274,399	70.5	127,731,696	179.5

2 Some of the actuarial assumptions were revised.

3 Reflects changes in plan benefit provisions effective September 1, 2007 and December 1, 2007.

4 Reflects changes in plan benefit provisions effective January 2009.

### II. Schedule of Employer Contributions

Plan Year Ended December 31	Annual Contribution as a Fixed Percentage of Payroll	Actual Contribution Amount	Date	Annual Required Contribution AP	Rate	Percent of ARC Contributed
2005	17.902%	15,754,922 <sup>(3)</sup>	12/31/2003	28.6	17.902%	100.0%
2006	17.906	16,954,167 <sup>(4)</sup>	12/31/2004	32.0	17.906	100.0
2007	17.91	18,510,066 <sup>(5)</sup>	12/31/2005	30.0	18.775	95.4
2008	17.900	20,060,458 <sup>(6)</sup>	12/31/2006	30.0	17.846	100.3
2009	18.254 <sup>(8)</sup>	22,159,076 <sup>(8)</sup>	12/31/2007	30.0	16.776	108.8
2010	18.788 <sup>(9)</sup>	23,382,043 <sup>(10)</sup>	12/31/2008	30.0	20.291	92.6

1. Effective September 1, 2003, a portion of the Employer's total 18% contribution is allocated to a Retiree Death Benefit Fund.

2. The ARC is based on a one-year lag between the date of the actuarial valuation ("Date") and the beginning of the plan year. The ARC expressed as a contribution rate ("Rate") that is a percent of covered payroll. An amortization period (AP) for the ARC of up to 40 years was compliant with GASB parameters through the 2006 plan year. After the 2006 plan year, an AP of up to 30 years is compliant.

3. The employer's total contribution during 2005 including the Retiree Death Benefit Fund was \$15,840,395.

4. The employer's total contribution during 2006 including the Retiree Death Benefit Fund was \$17,033,469.

5. The employer's total contribution during 2007 including the Retiree Death Benefit Fund was \$18,594,236.

6. The employer's total contribution during 2008 including the Retiree Death Benefit Fund was \$20,171,151.

7. The employers total contribution rate was 18.25% January-September 2009 and 18.63% October-December 2009. The average contribution rate was 18.254% (18.345% total average—0.091% for Retiree Death Benefit Fund).

8. The employer's total contribution during 2009 including the Retiree Death Benefit Fund was \$22,272,667.

9. The employers total contribution rate was 18.63% January-September 2010 and 19.63% October-December 2010. The average contribution rate was 18.788% (18.88% total average—0.092% for Retiree Death Benefit Fund).

10. The employer's total contribution during 2010 including the Retiree Death Benefit Fund was \$23,501,903.

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ACTUARIAL  
SECTION

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**AUSTIN POLICE RETIREMENT SYSTEM**

**ACTUARIAL VALUATION  
AS OF  
DECEMBER 31, 2010**

**AUGUST 11, 2011**

Rudd and Wisdom, Inc.

# Rudd and Wisdom, Inc.

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Elizabeth A. Wiley, A.S.A.

August 11, 2011

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

Re: Actuarial Valuation as of December 31, 2010

### Members of the Board of Trustees:

In accordance with the requirements of Article 6243n-1, which is the state law governing the Austin Police Retirement System (System), an actuarial valuation of the System as of December 31, 2010 has been completed. The data for police officers, pensioners, and assets used in the valuation were provided on behalf of the Board of Trustees by Sam Jordan, Chief Executive Officer of the System.

The results of the December 31, 2010 actuarial valuation are described in the Summary section of the report. A comparison of the current valuation with the December 31, 2009 valuation is also discussed in this section. The summary of key valuation results is shown in Exhibit 1. Exhibit 2 shows a 25-year projection of the assets of the System. Exhibits 3 through 6 summarize the System's assets and development of the actuarial value of assets. Data on both police officers and pensioners are contained in Exhibits 7 through 11. Exhibit 12 shows a historical comparison of the actuarial accrued liability and the actuarial value of assets.

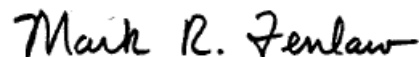
A summary plan description based on the current plan is included as Exhibit 13. The actuarial methods and assumptions are described in Exhibits 14 through 19, which include a description of assumption changes since the prior valuation. Exhibit 20 defines certain actuarial terms used in this report.

Police Retirement Board  
August 11, 2011

The disclosures required in accordance with Statement No. 25 of the Governmental Accounting Standards Board (GASB) for the System's annual report needed for the System's financial statements are included in Exhibit 21. The disclosures required in accordance with GASB Statement No. 27 needed for the City of Austin's financial statements are included in Exhibit 22.

Our actuarial team for this actuarial valuation included Rebecca B. Morris and Elizabeth A. Wiley, both of whom are Associates of the Society of Actuaries. We certify that all four of us are members of the American Academy of Actuaries who meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained in this report.

Respectfully submitted,



Mark R. Fenlaw  
Fellow, Society of Actuaries  
Member, American Academy of Actuaries  
Enrolled Actuary



Robert M. May  
Fellow, Society of Actuaries  
Member, American Academy of Actuaries  
Enrolled Actuary

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## Summary

### *Austin Police Retirement System Results of December 31, 2010 Actuarial Valuation*

This valuation reflects assumed total ultimate contributions of 34.63% of covered pay (contributions by the police officers of 13.00% and contributions by the City of Austin of 19.63% for January through September 2011, 20.63% for October 2011 through September 2012, and 21.63% thereafter) will be contributed to the System. The City of Austin contribution rates as a percent of covered pay are specified in Article 6243n-1 of Texas state law. These rates can only be changed by action of the Texas Legislature amending the state law, except that the 0.63% rate component is to be reviewed every five years and adjusted up or down as considered necessary by the actuary to fund the additional liabilities from participating in the Proportionate Retirement Program. Since these rates apply only to this System, we are assuming that the legislature would not change them without the concurrence of the System's Board of Trustees, the City of Austin, and the Austin Police Association. This procedure for changing the City of Austin contribution rates has been followed since the plan provisions were put into state law in 1991. Since September 1, 2003, a very small portion of the city's biweekly contributions is being allocated by the Board to a Retiree Death Benefit Fund (account) within the System, which is being used to fund the post-retirement lump sum death benefits.

The summary of key valuation results shown in Exhibit 1 reveals that the System has an unfunded actuarial accrued liability (UAAL) of \$229,274,399. The normal cost for the projected benefits for each police officer based on the current plan provisions is 22.438% of pay. Since total contributions on behalf of each police officer are more than the normal cost, the remaining portion can be used to amortize the plan's UAAL. Assuming that the total covered payroll increases at the rate of 4% per year in future years attributable to general pay increases, **the UAAL will be amortized in 23.2 years.**

The summary of key valuation results in Exhibit 1 compares the actuarial condition of the System on December 31, 2010 with the condition on December 31, 2009. Both valuations are based on the present plan benefit provisions, summarized in Exhibit 13. Between these two valuations, the period for amortizing the UAAL has decreased by 6.1 years (from 29.3 years to 23.2 years). Since one year has passed since the prior valuation date, a one-year reduction in the amortization period to 28.3 years would be expected if the experience of the System had been exactly as anticipated (including an 8% rate of investment return on the actuarial value of assets). For the reasons described below, the System's amortization period is 5.1 years less than expected.

1. The rate of investment return, net of all expenses, on the market value of assets during 2010 was 11.8%. However, the actuarial value of assets (AVA) used in the valuation and the determination of the amortization period is based on an adjusted market value. In particular, the AVA defers recognition of portions of the investment gains in the years 2007, 2009, and 2010 and of the investment loss in 2008. The rate of investment

return on the AVA, net of expenses, for 2010 was 3.8% compared to the assumed rate of return of 8%. Therefore, the AVA as of December 31, 2010 is less than expected, resulting in an **increase** in the amortization period of 5.6 years.

2. Police officers received a general pay increase in the fall of 2010 of 3%, which was less than our assumed general pay increase of 4% each year. This caused the amortization period to **decrease** 1.1 years.
3. The covered payroll increased by 3.9% since the prior valuation, just less than the assumed 4% increase. The lower payroll **increased** the amortization period by 0.1 of a year.
4. All of the experience in the aggregate other than the experience described in items 1, 2, and 3 (primarily retirement, mortality, termination, and disability experience) was slightly favorable, **decreasing** the amortization period by 0.2 of a year.
5. The commitment by the City of Austin to contribute an additional 2% of payroll, added to the state law governing the System effective September 1, 2011 by an amendment passed during the 2011 regular session of the Texas Legislature, **decreased** the amortization period by 8.4 years.
6. The changes in actuarial assumptions, other than the change in the assumed contributions by the City of Austin, had the overall effect of **decreasing** the amortization period by 1.1 years. In a separate letter to the Board of Trustees dated August 10, 2011, we recommended the actuarial methods and assumptions for this valuation.

In summary, this valuation reveals that the actuarial value of assets plus future investment income received by the System and future contributions by the police officers and the City of Austin will be adequate to pay the benefits according to the provisions of the state law and board rules governing the System. In order for the System to have an adequate contribution arrangement, contributions must be made that are sufficient to pay the System's normal cost and to amortize its UAAL over an acceptable period of time. Based on the Texas Pension Review Board guidelines, our professional judgment, and the actuarial assumptions and methods used in this valuation, we consider a period of 25 years to 30 years to be preferable for the System and 40 years to be the maximum acceptable period.

The total contributions to the System are sufficient to pay the System's normal cost and to provide an additional amount that will result in amortization of the UAAL in 23.2 years. In addition, we believe that it is appropriate to assume that the police officers and the city will be able to maintain their Texas statutory commitment in future years to contribute 13% and 21.63%, respectively, of covered compensation into the System. Consequently, we are of the opinion that the System has an adequate contribution arrangement as of December 31, 2010 based on the levels of benefits and contributions reflected in this valuation.

## Projected Actuarial Valuation Results

In addition to completing this actuarial valuation, we made some projections to estimate the amortization periods for the next four annual actuarial valuations. We did these projections because the actuarial investment gains that the System experienced in 2007, 2009, and 2010 and the significant actuarial investment loss in 2008 have been only partially recognized as of December 31, 2010. As shown in Exhibit 5, a smoothing method is used to determine the actuarial value of assets (AVA) for this valuation. This method phases in over a five-year period any investment gains or losses (actual net investment return greater or less than the actuarially assumed net investment return) that the System has had. The AVA used in this current valuation is deferring recognition of a portion of the investment gains in 2007, 2009, and 2010 and of the investment loss in 2008. The AVA used in this valuation is \$546,956,628. The market value of assets (MVA), excluding the Retiree Death Benefit Fund, is \$492,137,361. The difference between this MVA and the AVA, \$54,819,267, is the net of the deferred gains and loss that will be recognized in the next four actuarial valuations.

For the purpose of projecting the amortization period in the future, we have used five scenarios of various assumed annual rates of investment return on the market value of assets, net of all expenses, over the 2011-2014 projection period. The projected amortization periods will not be the same as the actual amortization periods from completed future actuarial valuations but are the result of projected future actuarial valuation results based on the completed December 31, 2010 actuarial valuation, showing (1) the expected effects of the recognition over the next four years of the portions of the past investment gains and losses that are deferred as of December 31, 2010 and (2) the effects over the next four years of investment returns different from the 8% assumption used in making the valuation.

### Projected Amortization Periods

	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5
Assumed Investment Return for Calendar Year					
2011	8%	0%	-5%	0%	13%
2012	8	4	15	10	12
2013	8	4	8	10	8
2014	8	4	8	10	8
2015 and later	8	8	8	8	8
Amortization Period as of December 31:					
2010 (actual)	23 years	23 years	23 years	23 years	23 years
2011 (projected)	28 years	29 years	30 years	29 years	27 years
2012 (projected)	33 years	39 years	39 years	37 years	30 years
2013 (projected)	31 years	42 years	39 years	36 years	26 years
2014 (projected)	30 years	47 years	39 years	35 years	23 years

The projected amortization periods in Scenario 1 isolate the expected effects of the recognition over the next four years of the portions of the past investment gains and losses that are deferred as of December 31, 2010. The primary observation of Scenario 1 is that as the deferred portions of the investment gains for the years 2007, 2009, and 2010 are recognized, they will be outweighed by the systematic recognition of the deferred portion of the investment loss for 2008. Therefore, without any significant investment gains in 2011 and 2012, the System is projected to have an amortization period over 30 years in the December 31, 2012 actuarial valuation. This conclusion from Scenario 1 is not surprising since the amortization period in the December 31, 2010 actuarial valuation would be 34 years if we had used the market value of assets as the actuarial value of assets.

Scenarios 2, 3, 4, and 5 show the projected amortization periods in the next four actuarial valuations based on various levels of assumed investment experience less than or greater than 8%. There is still some uncertainty in the national and global economies as we write this report due to the slow pace of recovery and due to debt problems at home and abroad. In our opinion, in the context of these caveats, Scenarios 2 through 5 present a range of plausible scenarios for the next four actuarial valuations with no changes in benefits or contributions. Only Scenario 5 would avoid an amortization period exceeding 30 years in the December 31, 2012 actuarial valuation.

Variations in experience from the underlying assumptions other than investment return will cause the actual amortization periods to be different from the projected periods shown above. However, the primary observations from these scenarios are that (1) it would require a strong market performance in 2011 and 2012, similar to Scenario 5, for the amortization period to avoid going over 30 years by the December 31, 2012 actuarial valuation, and (2) a consistently subpar economy with a market performance similar to Scenario 2 could result in an amortization period in excess of 40 years by the December 31, 2013 actuarial valuation.

Because of the recent increased attention given to by the funded ratio of public employee pension plans (70.5% in this December 31, 2010 actuarial valuation), the members of the board may be interested to know that the funded ratio in the projected Scenario 1 is expected to decrease in the next two years to 65.6% as of December 31, 2012 before increasing to 69.4% as of December 31, 2014. Only in Scenario 5 would the funded ratio as of December 31, 2014 be greater than 70% (73.6% after dropping to 67.4% as of December 31, 2012). However, we continue to believe that the amortization period is a much better indicator of the actuarial condition of the System than the funded ratio. The amortization period is forward looking and reflects the anticipated period over which future contributions will amortize the UAAL. In contrast, the funded ratio is historical and reflects only past contributions. Therefore, the amortization period for a fixed contribution rate system like APRS indicates whether the system has an adequate contribution arrangement, while the funded ratio gives no indication of whether the contribution arrangement is adequate.



## Variability in Future Actuarial Measurement

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following:

- System experience differing from that anticipated by the current economic or demographic assumptions;
- Increases or decreases expected as part of the natural operation of the methodology used for these measurements;
- Changes in economic or demographic assumptions; and
- Changes in plan provisions.

Analysis of the potential range of such future measurements resulting from the possible sources of measurement variability is typically outside the scope of this actuarial valuation report. However, we provided projected amortization periods for the next four annual actuarial valuations under five scenarios and the amortization period for this valuation if it had been based on the market value of assets. Additional sensitivity analysis could be performed in a subsequent report if desired by the Board of Trustees.

## Retiree Death Benefit Fund

The statute established a Retiree Death Benefit Fund effective September 1, 2003. This fund is a separate account within the System used to pay \$10,000 post-retirement lump sum death benefits. The Retiree Death Benefit Fund is funded by a portion of the city's total contribution rate. As part of this December 31, 2010 actuarial valuation, the city contribution needed for the Retiree Death Benefit Fund has been determined for 2012 to be 0.102%. We recommend that this new rate be effective January 1, 2012, replacing the rate of 0.098% effective for 2011 that was determined based on the December 31, 2009 actuarial valuation. The remainder of the city's contribution will be used for the System's liabilities excluding the post-retirement lump sum death benefits.

The 0.102% city contribution rate is comprised of the normal cost percentage plus an additional amount to amortize the unfunded actuarial accrued liability for only the \$10,000 post-retirement lump sum death benefits over 25 years as shown below. The amortization of this unfunded actuarial accrued liability is determined as a level percentage of payroll assuming that the payroll will increase 4% per year.

<b>Allocated City Contribution Effective January 1, 2012 for the Retiree Death Benefit Fund</b>	
Normal cost	0.034%
Amortization of unfunded actuarial accrued liability over 25 years	<u>0.068</u>
Total city contribution rate allocated to the Retiree Death Benefit Fund as of January 1, 2012	0.102%

The 0.102% city contribution rate was determined using the same funding method and actuarial assumptions used in this December 31, 2010 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 RP-2000 Combined Healthy Mortality Tables for males and females projected to 2014 are used for both active and retired members. The following is a summary of the actuarial valuation results of the liabilities for the \$10,000 post-retirement lump sum death benefits.

<b>Actuarial Valuation Results of the Retiree Death Benefit Fund as of December 31, 2010</b>	
1. Actuarial present value of future benefits	
a. Current retired members	\$ 1,184,472
b. Current active members	<u>981,087</u>
c. Total	\$ 2,165,559
2. Actuarial present value of future normal cost contributions	\$ 391,212
3. Actuarial accrued liability (Item 1c – Item 2)	\$ 1,774,347
4. Assets of fund	\$ 407,858
5. Unfunded actuarial accrued liability (Item 3 – Item 4)	\$ 1,366,489
6. Funded ratio (Item 4 ÷ Item 3)	23.0%

## Exhibit 1

*Austin Police Retirement System  
Summary of Key Valuation Results*

	<u>December 31, 2009<sup>1</sup></u>	<u>December 31, 2010<sup>2</sup></u>
1. Actuarial present value of future benefits		
a. Payable to those now receiving benefits or entitled to receive benefits	\$ 308,526,658	\$ 330,335,365
b. Payable to police officers	<u>724,329,064</u>	<u>764,784,942</u>
c. Total	\$1,032,855,722	\$1,095,120,307
2. Actuarial present value of future normal cost contributions	\$ 299,221,062	\$ 318,889,280
3. Actuarial accrued liability (Item 1c-Item 2)	\$ 733,634,660	\$ 776,231,027
4. Actuarial value of assets	\$ 518,111,923	\$ 546,956,628
5. Unfunded actuarial accrued liability (UAAL) (Item 3-Item 4)	\$ 215,522,737	\$ 229,274,399
6. Total contributions (percent of payroll)	32.532% <sup>3</sup>	34.528% <sup>4</sup>
7. Normal cost (percent of payroll)	22.338%	22.438%
8. Percent of payroll available to amortize the UAAL	10.194%	12.090%
9. Annualized covered payroll	\$ 122,928,285	\$ 127,731,696
10. Present annual amount available to amortize the UAAL	\$ 12,531,309	\$ 15,442,762
11. Years to amortize the UAAL	29.3 Years <sup>5</sup>	23.2 years <sup>6</sup>
12. GASB 27 funded ratio (Item 4 ÷ Item 3)	70.6%	70.5%

<sup>1</sup> Reflects the plan provisions effective January 1, 2009 and excludes the \$10,000 post-retirement lump sum death benefit.

<sup>2</sup> Reflects the plan provisions effective September 1, 2011 and excludes the \$10,000 post-retirement lump sum death benefit. The difference between the provisions reflected in the two valuations, described in footnotes 3 and 4, are two additional increases of 1% each in the city contribution rate reflected in the December 31, 2010 actuarial valuation.

<sup>3</sup> The total contribution rate of 32.63% (13% by members and 19.63% by the city) is reduced by the calculated city contribution rate for the separate Retiree Death Benefit Fund of 0.098%. The 19.63% city contribution rate was the ultimate rate beginning October 2010 at the time of this valuation.

<sup>4</sup> The total contribution rate of 34.63% (13% by members and 21.63% by the city) is reduced by the calculated city contribution rate for the separate Retiree Death Benefit Fund of 0.102%. The 21.63% city contribution rate is the ultimate rate beginning October 2012.

<sup>5</sup> The amortization period was calculated reflecting the city contribution rates of 18.63% for January through September of 2010 and 19.63% thereafter.

<sup>6</sup> The amortization period was calculated reflecting the city contribution rates of 19.63% for January through September of 2011, 20.63% for October 2011 through September 2012, and 21.63% thereafter.

**Exhibit 2**  
**Austin Police Retirement System**  
**25-Year Projection**

<i>Year</i>	<i>Market Value of Fund at Beginning of Year</i>	<i>Contributions by City and Police Officers</i>	<i>Net Investment Income</i>	<i>Total Benefit Payments</i>	<i>Market Value of Fund at End of Year</i>	<i>Ratio of Fund to Payments</i>
2006	\$ 389,689,133	\$ 26,857,508	\$ 65,521,438	\$ 20,888,547	\$ 461,179,532	22.08
2007	461,179,532	31,444,215	44,359,401	21,971,475	515,011,673	23.44
2008	515,011,673	34,942,710	-136,715,791	26,118,172	387,120,420	14.82
2009	387,120,420	38,447,581	34,632,706	28,173,153	432,027,554	15.33
2010	432,027,554	40,081,161	51,312,351	30,875,847	492,545,219	15.95
2011	492,545,219	41,998,181	39,494,335	39,730,245	534,307,490	13.45
2012	534,307,490	45,006,518	42,952,762	39,802,447	582,464,323	14.63
2013	582,464,323	47,842,939	46,767,598	43,581,630	633,493,230	14.54
2014	633,493,230	49,756,657	50,820,258	46,236,666	687,833,479	14.88
2015	687,833,479	51,746,923	55,043,528	51,325,674	743,298,256	14.48
2016	743,298,256	53,816,800	59,518,908	52,440,617	804,193,347	15.34
2017	804,193,347	55,969,472	64,292,744	57,037,571	867,417,992	15.21
2018	867,417,992	58,208,251	69,295,126	60,666,074	934,255,295	15.40
2019	934,255,295	60,536,581	74,614,646	63,681,013	1,005,725,509	15.79
2020	1,005,725,509	62,958,044	80,187,327	69,725,892	1,079,144,988	15.48
2021	1,079,144,988	65,476,366	85,872,615	76,950,962	1,153,543,007	14.99
2022	1,153,543,007	68,095,421	91,792,411	80,371,168	1,233,059,671	15.34
2023	1,233,059,671	70,819,238	98,057,494	85,501,229	1,316,435,174	15.40
2024	1,316,435,174	73,652,008	104,554,225	92,666,734	1,401,974,673	15.13
2025	1,401,974,673	76,598,088	111,377,145	96,118,816	1,493,831,090	15.54
2026	1,493,831,090	79,662,012	118,573,766	102,980,037	1,589,086,831	15.43
2027	1,589,086,831	82,848,492	126,218,379	105,562,674	1,692,591,028	16.03
2028	1,692,591,028	86,162,432	134,213,112	116,016,683	1,796,949,889	15.49
2029	1,796,949,889	89,608,929	142,490,697	121,241,275	1,907,808,240	15.74
2030	1,907,808,240	93,193,286	151,281,898	126,762,312	2,025,521,112	15.98
2031	2,025,521,112	96,921,017	160,540,201	134,458,204	2,148,524,126	15.98
2032	2,148,524,126	100,797,858	170,542,723	134,278,041	2,285,586,666	17.02
2033	2,285,586,666	104,829,772	181,394,487	141,140,929	2,430,669,996	17.22
2034	2,430,669,996	109,022,963	192,995,312	145,480,157	2,587,208,114	17.78
2035	2,587,208,114	113,383,882	205,457,604	151,360,002	2,754,689,598	18.20

A. Data for years 2006 through 2010 were taken from the annual reports for those years. Fund balance at beginning and end of year reflects the total market value of the System's assets including the Retiree Death Benefit Fund (account).

B. Assumptions for years 2011 through 2035:

1. Benefits will be paid in accordance with the demographic and economic assumptions used in this December 31, 2010 actuarial valuation and include benefit payments from the Retiree Death Benefit Fund (account).
2. Contributions are made by both the police officers and the city. Contributions are 13% of pay by the police officers. The city will contribute 19.63% through September 2011, 20.63% through September 2012 and then the rate will increase to 21.63% on October 1, 2012.
3. Annual payroll for 2011 will be \$127,731,696. It will increase 4% per year thereafter.
4. Investment income (net of expenses) will be 8% of the average fund balance in each year.
5. No ad hoc COLAs were assumed beginning January 1, 2012 or thereafter.

## Exhibit 3

*Austin Police Retirement System*  
*Net Market Value of Assets as of December 31, 2009 and 2010*  
*Including the Retiree Death Benefit Fund*

	December 31, 2009	December 31, 2010
<b><i>Assets</i></b>		
<b>Investments</b>		
Real Estate Interests	\$ 105,627,556	\$ 114,332,543
Corporate Stocks	118,327,434	159,866,871
U.S. Government Bonds	6,980,841	7,805,823
International Government Securities	45,673,677	53,346,493
International Stocks	40,848,123	23,977,184
Short-Term Investment Funds	26,219,556	10,647,971
Partnership Interests	39,068,791	47,946,856
Corporate Bonds	18,573,942	16,605,560
Alternatives	26,929,577	54,963,696
Retiree Death Benefit Fund	321,142	407,858
Total Investments	\$ 428,570,639	\$ 489,900,855
<b>Other Assets</b>		
Interest and Dividends Receivable	\$ 1,760,333	\$ 801,965
Cash	131,916	311,721
Fixed Assets	819,796	744,435
Contributions Receivable	1,271,160	1,376,860
Other Assets	5,744	(162)
Total	\$ 3,988,949	\$ 3,234,819
<b>Total Assets</b>	<b>\$ 432,599,588</b>	<b>\$ 493,135,674</b>
<b><i>Liabilities</i></b>		
Refunds Payable	\$ 38,049	\$ 127,757
Other Payables	493,985	462,698
Total Payables	\$ 532,034	\$ 590,455
<b>Net Market Value of Assets (Assets Minus Liabilities)</b>	<b>\$ 432,027,554<sup>1</sup></b>	<b>\$ 492,545,219<sup>2</sup></b>

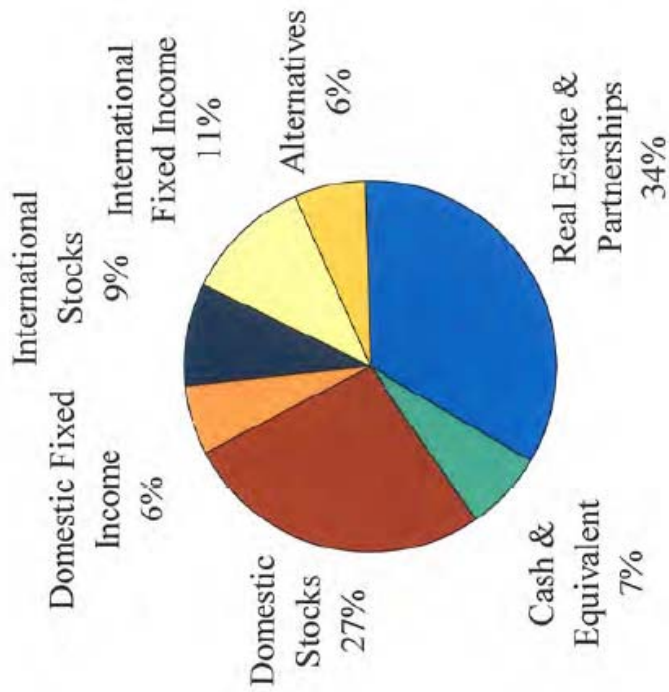
<sup>1</sup> Includes \$321,142 for the Retiree Death Benefit Fund. The Net Market Value of Assets, excluding the Retiree Death Benefit Fund, is \$431,706,412.

<sup>2</sup> Includes \$407,858 for the Retiree Death Benefit Fund. The Net Market Value of Assets, excluding the Retiree Death Benefit Fund, is \$492,137,361.

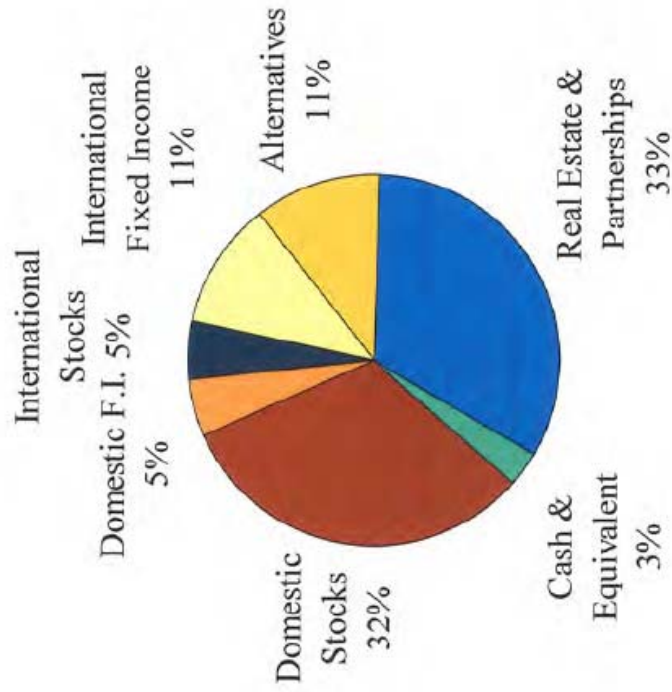
Exhibit 4

*Austin Police Retirement System  
Comparison of Market Value Asset Allocation as of the Prior and Current Actuarial Valuation Dates*

**December 31, 2009**



**December 31, 2010**



**Exhibit 5**  
**Austin Police Retirement System**  
**Development of Actuarial Value of Assets**

Calculation of Actuarial Investment Gain/(Loss) Based on Total Market Value for Plan Years	2010	2009	2008	2007
1. Market Value of Assets as of beginning of year	\$ 432,027,554	\$ 387,120,420	\$ 515,011,673	\$ 461,179,532
2. City of Austin Contributions	23,501,902	22,272,667	20,171,151	18,594,236
3. Police Officer Contributions	16,579,259	16,174,914	14,771,559	12,849,979
4. Benefit Payments and Contribution Refunds	(30,875,847)	(28,173,153)	(26,118,172)	(21,971,475)
5. Expected Investment Return*	34,923,333	31,372,704	41,547,125	37,265,983
6. Expected Market Value of Assets as of end of year	\$ 476,156,201	\$ 428,767,552	\$ 565,383,336	\$ 507,918,255
7. Actual Market Value of Assets as of end of year	492,545,219	432,027,554	387,120,420	515,011,673
8. Actuarial Investment Gain/(Loss)	\$ 16,389,018	\$ 3,260,002	\$(178,262,916)	\$ 7,093,418
9. Market Value Rate of Return Net of Expenses	11.8%	8.8%	(26.3)%	9.5%
10. Rate of Actuarial Investment Gain/(Loss)	3.8%	0.8%	(34.3)%	1.5%

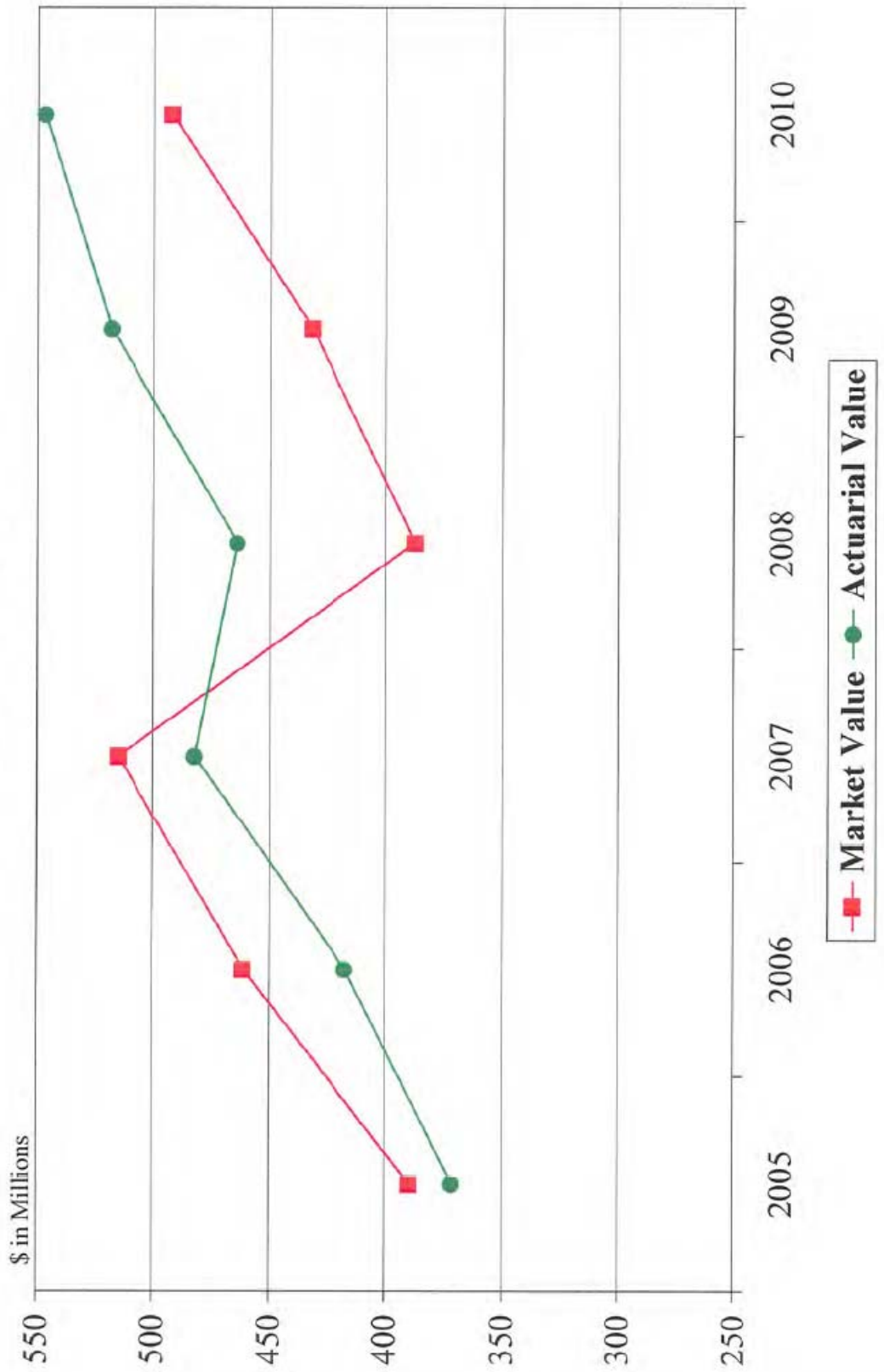
\* Assuming (1) uniform distribution of contributions and payments during the plan year and (2) expected investment rate of return of 8.00%.

	Deferred Actuarial Investment Gains/(Losses) to be Recognized in Future Years	
	Plan Year	Deferred Gain/(Loss) as of December 31, 2010
2010	\$ 16,389,018	\$ 13,111,214
2009	3,260,002	1,956,001
2008	(178,262,916)	(71,305,166)
2007	7,093,418	1,418,684
Total		\$ (54,819,267)

Actuarial Value of Assets as of December 31, 2010	
11. Market Value of Assets as of December 31, 2010	\$ 492,545,219
12. Deferred Gain/(Loss) to be recognized in future	(54,819,267)
13. Preliminary Value (Item 11 – Item 12)	\$ 547,364,486
14. Corridor for Actuarial Value of Assets	
a. 80% of Market Value as of December 31, 2010 (minimum)	394,036,175
b. 120% of Market Value as of December 31, 2010 (maximum)	591,054,263
15. Total Actuarial Value as of December 31, 2010	547,364,486
16. Retiree Death Benefit Fund as of December 31, 2010	407,858
17. Net Actuarial Value as of December 31, 2010 (Item 15-Item 16)	\$ 546,956,628
18. Adjustment to market value of assets (Item 15 – Item 11)	\$ 54,819,267

**Exhibit 6**  
**Austin Police Retirement System**  
**Historical Comparison of Market and Actuarial Value of Assets**  
**(Valuations as of December 31)**





## Exhibit 7

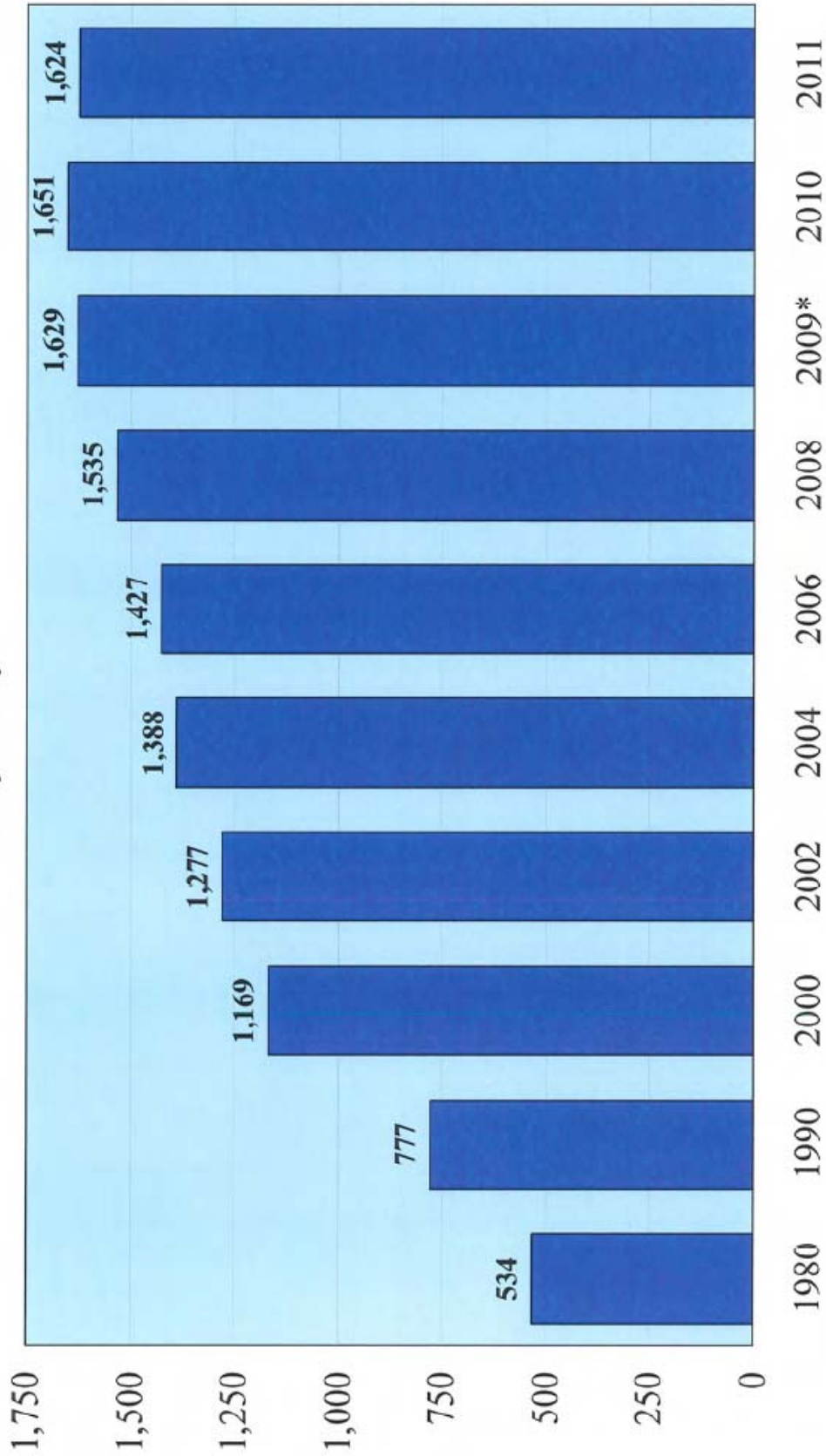
*Austin Police Retirement System  
Distribution of Police Officers by Age and Service as of December 31, 2010  
with Average Annual Salary*

Years of Service	Attained Age									Total	Average Annual Salary
	Under 25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60 or Over		
0	0	6	9	7	1	0	0	0	0	23	\$52,576
1	5	35	20	13	1	0	0	0	0	74	52,526
2*	0	3	9	16	25	17	9	8	1	88	69,716
3	2	39	31	17	4	1	0	0	0	94	61,207
4	0	54	55	23	15	4	0	0	0	151	65,358
5	0	9	25	15	7	3	0	0	0	59	64,969
6	0	5	21	12	10	2	0	0	0	50	65,191
7	0	0	19	24	20	6	0	0	0	69	70,800
8	0	0	18	22	5	3	0	0	0	48	70,868
9	0	0	32	33	22	8	2	0	0	97	71,627
10	0	0	21	43	18	11	2	0	0	95	72,809
11	0	0	4	20	11	4	0	0	0	39	78,087
12	0	0	5	38	29	14	2	0	0	88	79,927
13	0	0	3	37	36	11	1	2	0	90	80,813
14	0	0	0	29	23	6	1	0	0	59	81,457
15	0	0	1	12	32	9	0	1	0	55	84,789
16	0	0	0	10	28	20	3	1	0	62	90,165
17	0	0	0	1	29	15	3	0	0	48	99,105
18	0	0	0	0	21	23	11	2	0	57	98,876
19	0	0	0	0	13	13	3	0	0	29	102,142
20-24	0	0	0	0	13	69	40	4	1	127	103,193
25-29	0	0	0	0	0	24	52	14	2	92	105,076
30-34	0	0	0	0	0	0	5	20	2	27	102,815
35-39	0	0	0	0	0	0	0	1	1	2	99,634
40-44	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>119,131</u>
Totals	7	151	273	372	363	263	134	53	8	1,624	\$78,653
Average Annual Salary	\$55,326	\$60,445	\$66,282	\$73,107	\$81,566	\$91,769	\$99,096	\$95,918	\$102,563	\$78,653	

\* Includes most of the PSEM transfers in January 2009.

**Exhibit 8**

**Austin Police Retirement System  
Historical Summary of Growth in Number of Contributing Members  
as of January 1**



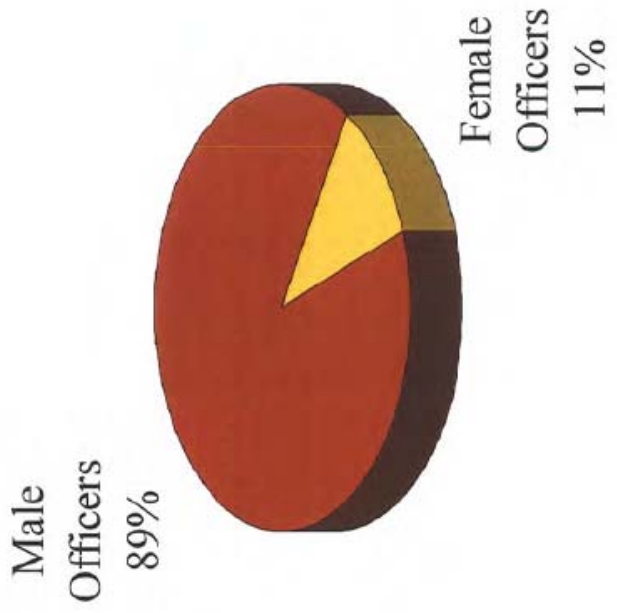
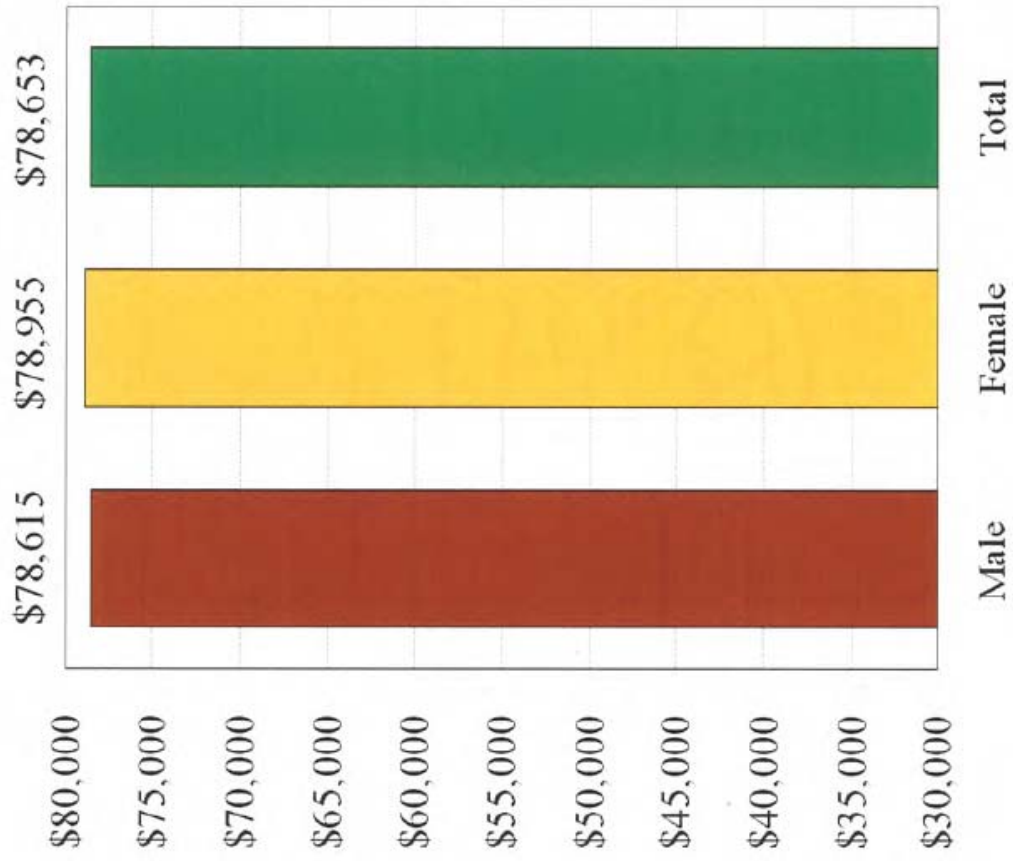
\* Includes the PSEM transfers in January 2009.

11-year period 2000-2011: 3.0%  
 21-year period 1990-2011: 3.6%  
 31-year period 1980-2011: 3.7%

Average annual increase over:

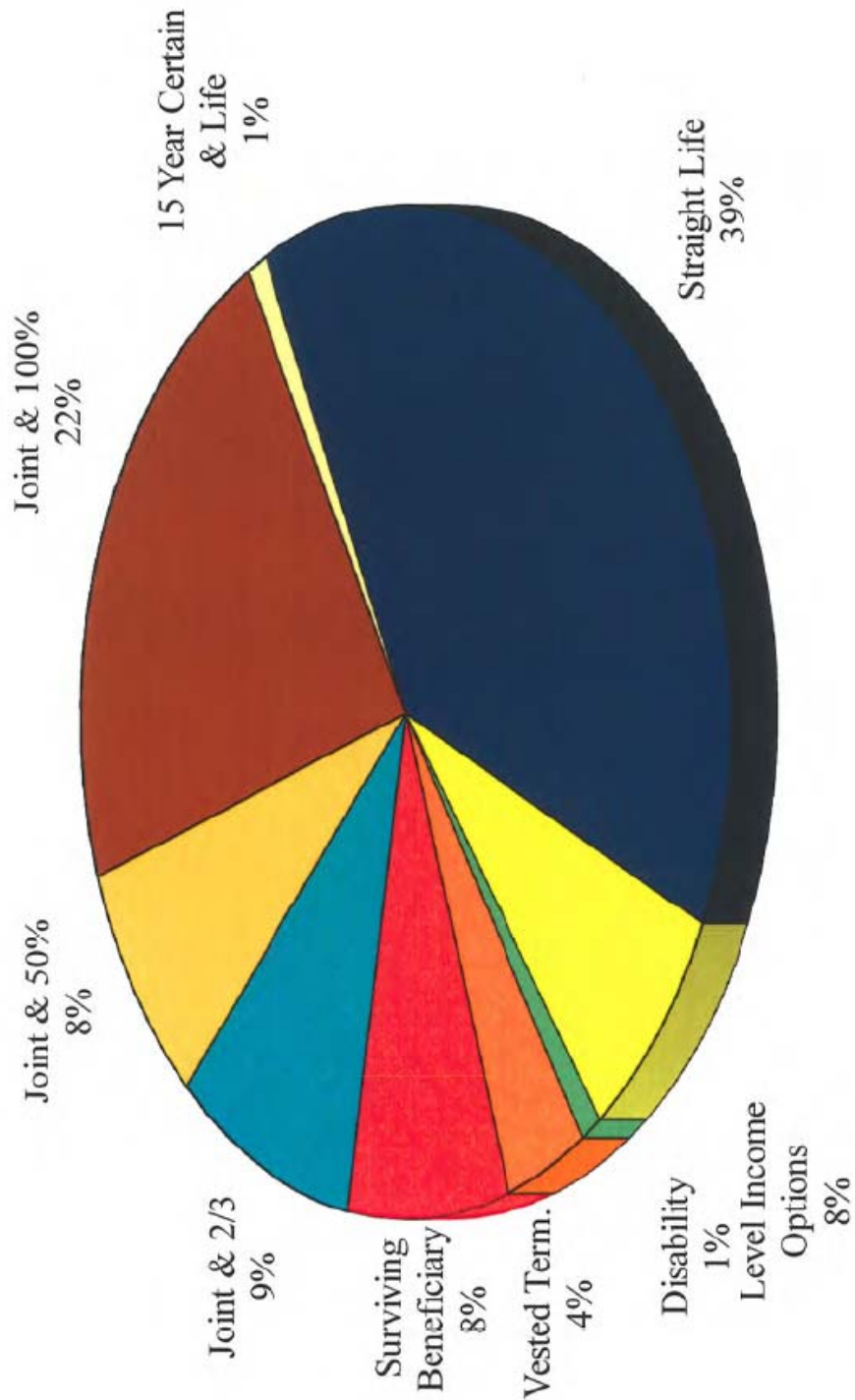
**Exhibit 9**

***Austin Police Retirement System  
Breakdown by Sex of Number of Officers and Average Annual Rate  
of Pay as Reported for the December 31, 2010 Valuation***



**Exhibit 10**

*Austin Police Retirement System  
Breakdown of Pensioners by Type and Annuity Option  
as of the December 31, 2010 Valuation*



May not add to 100% due to rounding.

## Exhibit 11

*Austin Police Retirement System  
Summary Data of Police Officers and Pensioners  
as of the December 31, 2010 Valuation*

Active Police Officers	Male	Female	Total
Total Contributing Police Officers	1,444	180	1,624
Annualized Reported Payroll	\$113,519,741	\$14,211,955	\$127,731,696
Average Annual Rate of Pay	\$78,615	\$78,955	\$78,653

Pensioners and Vested Terminated Officers	Number	Monthly Payment	Actuarial Present Value of Benefits
Service Retirements by Type of Annuity			
Straight Life	213	\$1,089,035	\$142,539,389
Joint and 100%	120	551,207	75,858,545
Joint and 50%	45	230,257	30,358,112
Joint and Two-Thirds	51	257,429	34,779,770
Level Income Straight Life	15	69,041	6,169,649
Level Income Joint and Two-Thirds	22	94,929	9,395,835
Level Income Joint and 100%	9	41,484	4,680,361
Fifteen Year Certain and Life	<u>3</u>	<u>12,153</u>	<u>1,398,697</u>
Total Service Retirements	478	2,345,535	305,180,308
Disability Retirements	4	10,033	1,422,756
Surviving Beneficiaries	41	151,417	15,891,006
Vested Terminated Officers	21	34,628	4,950,553
Alternate Payees	<u>20</u>	<u>22,911</u>	<u>2,890,741</u>
Total	564	\$2,564,524	\$330,335,364

## Exhibit 11 (continued)

*Austin Police Retirement System  
Police Officers and Pensioners Reconciliation*

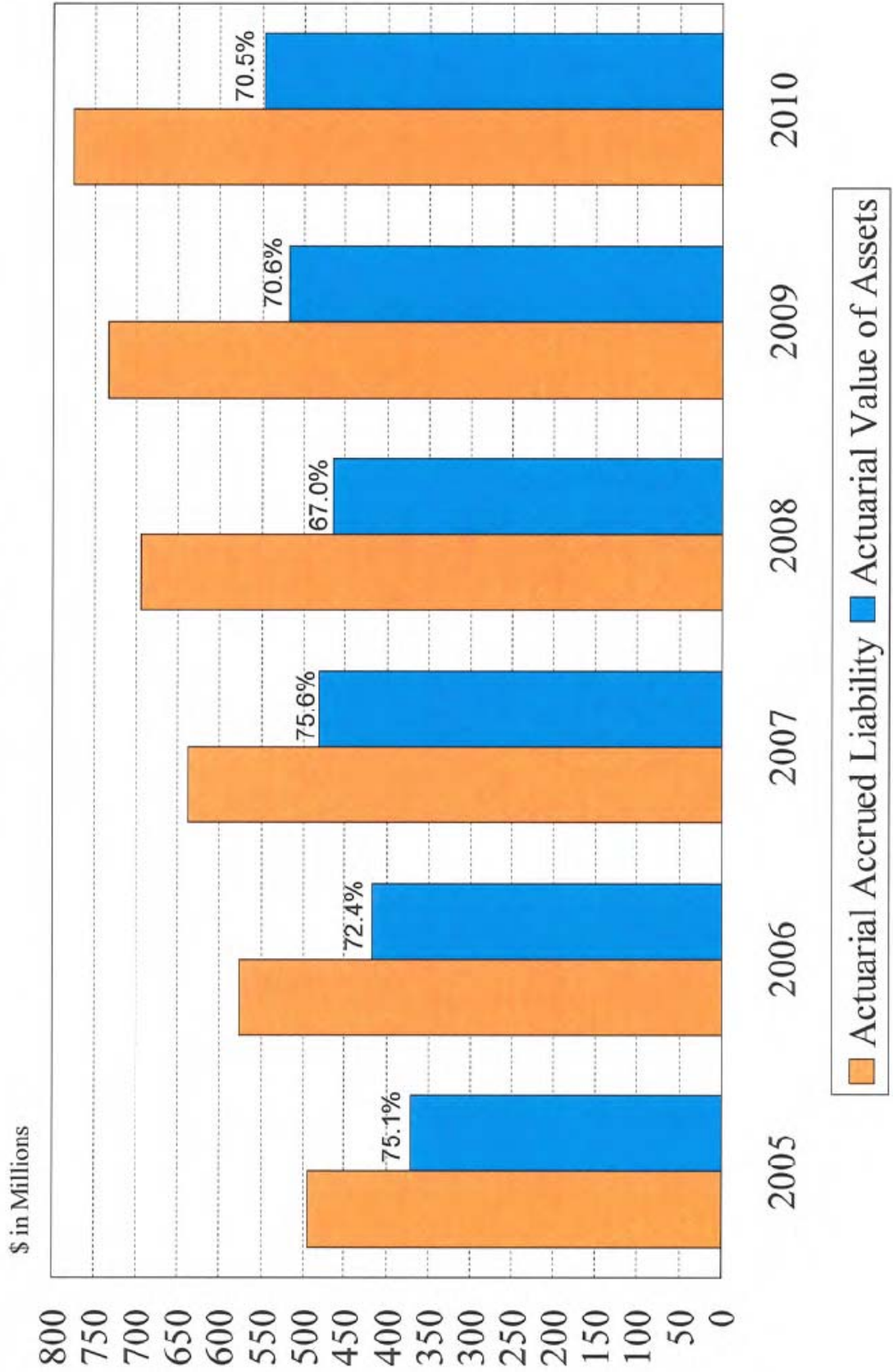
	Police Officers	Current Payment Status	Vested Terminated Police Officers	Total
1. As of December 31, 2009	1,651	514 <sup>1</sup>	20	2,185
2. Change of status				
a. retirement	(29)	30	(1)	0
b. disability	(1)	1	0	0
c. death	0	0	0	0
d. withdrawal	(17)	0	(1)	(18)
e. vested termination (VT)	(3)	0	3	0
f. new VT from PRP	0	0	0	0
g. new QDRO	0	2	0	2
h. completion of payment	0	(4)	0	(4)
i. new retirement from PRP	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
j. net changes	(50)	29	1	(20)
3. New police officers	<u>23</u>	<u>0</u>	<u>0</u>	<u>23</u>
4. As of December 31, 2010	1,624	543 <sup>2</sup>	21	2,188

<sup>1</sup> Includes 18 alternate payees of QDROs.

<sup>2</sup> Includes 20 alternate payees of QDROs.

Exhibit 12

*Austin Police Retirement System  
Historical Comparison of Actuarial Accrued Liability and Actuarial Value of Assets  
(Valuations as of December 31)*



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**Exhibit 13*****Austin Police Retirement System  
Summary Plan Description***

***Date System Began:*** January 1, 1980

***Plan Effective Date:*** September 1, 2011

***Administration:*** The System 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:*** 13% of each police officer's "Compensation Considered".

***City Contributions:*** 18% of "Compensation Considered" for all "Employees Included" effective as of October 1, 1996 through December 31, 2008. Beginning in January 2009, the contribution rate increased to 18.25% and increased to 18.63% effective October 1, 2009, both as a result of implementing the Proportionate Retirement Program. The city contribution rate increased to 19.63% effective October 1, 2010, and it will increase further to 20.63% effective October 1, 2011 and to 21.63% effective October 1, 2012. Since September 1, 2003, a very small portion of the city contribution has been 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, or probationary service, (b) any previously forfeited service that is reinstated according to the provisions for reinstatement, and (c) any "permissive service credit" that is purchased according to plan provisions.

***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.



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**Exhibit 13 (continued)*****Austin Police Retirement System  
Summary Plan Description***

***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, effective December 1, 2007, 3.20% 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 based on credited service and compensation to date of disability; however, not less than 20 years of service will be credited for an occupational disability.

***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 \$10,000.

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 \$10,000 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 \$10,000 lump sum death benefit is payable to the beneficiary.

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**Exhibit 13 (continued)*****Austin Police Retirement System  
Summary Plan Description***

If death occurs after retirement, 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. If no monthly annuity is payable, the member's beneficiary receives a lump sum benefit equal to the excess, if any, of the accumulated member contributions plus allowable interest over any benefits actually received.

***Retiree Death Benefit Fund:*** Effective September 1, 2003, a separate fund was established to pay post-retirement lump sum death benefits. This fund is funded by city contributions. Effective September 1, 2007, the amount of these benefits was increased to \$10,000.

***Termination Benefit:*** A member terminating employment with less than 10 years of service 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 is 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. Effective September 1, 2007, interest will not be credited to members with less than 10 years of service.

If the terminating member has 10 or more years of service, he may elect to leave his accumulated contributions 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.

***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 Last 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 (1) may not be earlier than the date the member completed 23 years of creditable service not reflecting any military service credit and (2) may not be earlier than 36 months prior to the date of retirement.

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**Exhibit 13 (continued)*****Austin Police Retirement System  
Summary Plan Description***

Beginning in 2007, a FORWARD DROP can be elected by a member who has at least 23 years of creditable service not reflecting any military service credit. This option provides the member at retirement with a monthly annuity and a lump sum. The monthly benefit is determined at the election date as if the member had retired on that date. The amount of the lump sum depends upon the period between the election date and the actual date of retirement. The maximum lump sum possible is provided if the member retires five years after the election date.

***Postretirement Cost-of-Living Increases:*** The Board may authorize an annual ad hoc cost-of-living adjustment (COLA), subject to actuarial approval, not to exceed 6% per year. No COLAs were given January 1, 2011, 2010 and 2009. A COLA of 1% was given January 1, 2008. No COLAs were given January 1, 2007 and January 1, 2006. COLAs of 1.75%, 3%, and 1.5% were given January 1, 2005, 2004, and 2003, respectively. Postretirement benefit increases will automatically be provided when the system's benefit formula as a percent of average compensation for years of service increases. Therefore, effective December 1, 2007, the monthly benefits of pensions also increased 6.67% because of the increase in the benefit formula from 3.0% to 3.2% of average compensation.

***Proportionate Retirement Program:*** Beginning in 2009, the System and the city began participating in the statewide Proportionate Retirement Program (PRP). Service in other participating public employee retirement systems can be combined with service in the System to satisfy the System's requirements for service retirement eligibility and for eligibility for vested benefits for a terminated member. The participating systems, in addition to the System, are the six statewide systems, the City of Austin Employees' Retirement System, and the systems for the City of El Paso employees.

## Exhibit 14

### *Austin Police Retirement System Summary of Actuarial Methods and Assumptions*

1. Actuarial Cost Method	<p>Entry Age Actuarial Cost Method</p> <ul style="list-style-type: none"> <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. Actuarial Value of Assets Method	<p>All assets are valued at market value with an adjustment made to uniformly spread actuarial gains or losses (as measured by actual market value investment return vs. expected market value investment return) over a five-year period. The total adjustment amount shall be limited as necessary such that the actuarial value of assets shall not be less than 80% of market value nor greater than 120% of market value. As a last step, the amount in the Retiree Death Benefit Fund according to the audited financial statements is subtracted.</p>
3. Investment Return (Interest Rate)	8% per year, net of all expenses
4. Inflation	4% per year
5. Salary Increase Due to General Wage Increases	4% per year
6. Salary Increases Due to Promotion, Step, and Longevity Increases	2.8% per year average over 25-year career. See Exhibit 16 for the promotion, step, and longevity salary increases by year of service.
7. Total Salary Increase	6.8% per year average over 25-year career. See Exhibit 16 for the total salary increases by year of service.
8. Interest Credited on Officer's Accumulated Contributions	0% per year for first ten years; 5% per year after the first ten years

## Exhibit 14 (continued)

### *Austin Police Retirement System Summary of Actuarial Methods and Assumptions*

- |  |   |
|--|---|
| 9. Mortality   |   |
| a. Active and Retired  | RP-2000 Combined Healthy Mortality Tables for males and females projected to 2014   |
| b. Disabled  | RP-2000 Combined Healthy Mortality Tables for males and females projected to 2014   |
| 10. Retirement Rates   | See Exhibit 17 for service and age-related rates.   |
| 11. Withdrawal Rates   | See Exhibit 18 for service-related rates.   |
| 12. Disability Rates   | See Exhibit 19 for age-related rates.   |
| 13. Future Pre-Employment Military Service Purchase for Officers with Military Service Information in Database Who Have Not Yet Purchased Credit | <ul style="list-style-type: none"> <li>• 100% of officers will purchase</li> <li>• All of military service will be purchased up to allowable 24 months</li> <li>• Officers will pay 25% of estimated cost</li> </ul>                |
| 14. Future Pre-Employment Military Service Purchase for Officers Who Have Not Told System Whether They Have Such Service                         | <ul style="list-style-type: none"> <li>• 35% of officers will purchase</li> <li>• 22 months purchased on average</li> <li>• Officers will pay 25% of estimated cost</li> </ul>  |
| 15. DROP Election  | 70% of those assumed to retire who are eligible for at least a 12-month DROP lump sum will make such an election (RETRO) or will have made such an election (FORWARD). See Exhibit 17 for the allocation between RETRO and FORWARD. |
| 16. DROP Period Election   | Members elect the maximum period eligible (up to 36 months for RETRO and up to 60 months for FORWARD).  |
| 17. Percent Single after Eligible for Service Retirement   | 15%   |
| 18. Age of Spouse of Officer Who Dies While Eligible to Retire   | Female 3 years younger than male  |

*Austin Police Retirement System  
Summary of Actuarial Methods and Assumptions*

- |  |   |
|--|---|
| 19. Payment Form Election for Pre-Retirement Death Benefits  |   |
| a. Married Members   | Joint and 100% to Survivor  |
| b. Single Members  | 15-Year Certain and Life Annuity  |
| 20. Ad Hoc Cost-of-Living Increases for Pensioners   | None  |
| 21. Cadet Service Purchase   | <ul style="list-style-type: none"> <li>• 100% of officers who have not yet purchased the credit will purchase their cadet service in the future.</li> <li>• Officer purchase amount based on officer contribution rate and cadet pay at time of cadet service.</li> </ul>   |
| 22. Forfeited Service Purchase, Probationary Service Purchase, and Uniform Military Leave of Service Purchase    | 100% of officers with such eligible service in the database will purchase the respective service.   |
| 23. DROP Lump Sums Left with the System for Investment after Retirement (PROP)                                   | <ul style="list-style-type: none"> <li>• 70% of officers retiring with DROP will leave their lump sum in the System until age 60.</li> <li>• Average annual rate credited to the PROP accounts will be 5%.</li> </ul>   |
| 24. Payment Form for Retirement Benefits Due to Service Retirement, Disability Retirement, or Vested Termination | <ul style="list-style-type: none"> <li>• Life annuity (modified cash refund)</li> </ul> <p>To the extent optional forms of payment are elected and conversions are determined under an actuarial basis which differs from the basis used in the valuation, actuarial gains or losses will occur. These gains or losses are expected to be very small and will be recognized through the valuation process for those new retirees making an optional election since the prior valuation.</p> |

*Austin Police Retirement System  
Summary of Actuarial Methods and Assumptions*

- |   |   |
|---|---|
| 25. Future Vested Terminated Members with Earlier Retirement Date Due to the Proportionate Retirement Program | <ul style="list-style-type: none"> <li>• One termination per year for next 18 years</li> <li>• Termination at age 45 with 18 years of service</li> <li>• Retirement at age 50 instead of age 62</li> <li>• Final average monthly salary of \$7,775 for the 2011 termination, with 4.1% per year increase for subsequent terminations</li> </ul> |
| 26. Additional Administrative Expenses for Participation in the Proportionate Retirement Program              | An increase in the normal cost contribution rate of 0.025% of payroll   |
| 27. Contributions (% of Covered Pay)  |   |
| a. City   |   |
| i. January 2011-Sept. 2011  | 19.63%  |
| ii. October 2011-Sept. 2012   | 20.63%  |
| iii. October 2012 and thereafter  | 21.63%  |
| b. Police Officers  | 13.00%  |
| 28. Assumed Compensation  | For the plan year first following the valuation date, the assumed compensation for each active participant is the sum of the current base rate of pay plus the current longevity rate of pay converted to an annual amount.   |
| 29. Annualized Covered Payroll  | For the plan year first following the valuation date, the annualized covered payroll is the sum of the assumed compensation for all active participants.  |

## Exhibit 15A

### *Austin Police Retirement System Changes in Actuarial Methods and Assumptions*

	December 31, 2009 Actuarial Assumption	December 31, 2010 Actuarial Assumption
<ul style="list-style-type: none"> <li>• Mortality for Active and Retired and for Disabled</li> </ul>	RP-2000 Combined Healthy Mortality Tables for males and females projected to 2010	RP-2000 Combined Healthy Mortality Tables for males and females projected to 2014
<ul style="list-style-type: none"> <li>• Service Retirement Rates</li> </ul>	Exhibit 15B	Exhibit 17
<ul style="list-style-type: none"> <li>• Withdrawal Rates</li> </ul>	Exhibit 15C	Exhibit 18
<ul style="list-style-type: none"> <li>• DROP Election – Percentage of those assumed to retire who are eligible for at least a 12-month DROP lump sum will make such an election (RETRO) or will have made such an election (FORWARD)</li> </ul>	65%	70%
<ul style="list-style-type: none"> <li>• DROP Lump Sums Left with the System for Investment after Retirement (PROP)</li> </ul>	60%	70%
<ul style="list-style-type: none"> <li>• Average Annual Rate Credited to the PROP Accounts</li> </ul>	6%	5%



## Exhibit 15B

*Austin Police Retirement System  
Service Retirement Rates Per 1,000 Members  
for December 31, 2009 Actuarial Valuation*

For Entry Ages Under 32 <sup>1</sup>				For Entry Ages 33 and Above <sup>3</sup>			
APRS Service	22 & Under	23-27	28-32	Age	33-37	38-42	43 & Over
<b>0-22</b>	<b>50</b>	<b>50</b>	<b>50</b>	33-37	<b>100</b>		
23	50	75	100	38-42	<b>100</b>	<b>100</b>	
24	150	150	150	43-47	<b>100</b>	<b>100</b>	<b>100</b>
25	200	200	200	48	<b>100</b>	<b>100</b>	<b>100</b>
26	250	250	250	49	<b>100</b>	<b>100</b>	<b>100</b>
27	450	350	300	50	<b>100</b>	<b>100</b>	<b>100</b>
28	500	400	400	51	<b>100</b>	<b>100</b>	<b>100</b>
29	500	400	500	52	<b>100</b>	<b>100</b>	<b>100</b>
30	500	500	500	53	<b>100</b>	<b>100</b>	<b>100</b>
31	500	500	500	54	<b>100</b>	<b>100</b>	<b>100</b>
32	500	500	1000 <sup>2</sup>	55	200	<b>100</b>	<b>100</b>
33	500	500		56	250	<b>100</b>	<b>100</b>
34	500	500		57	300	<b>100</b>	<b>100</b>
35	600	500		58	350	<b>100</b>	<b>100</b>
36	600	500		59	500	<b>100</b>	<b>100</b>
37	600	1000 <sup>2</sup>		60	1000	500	<b>100</b>
38	600			61		350	<b>100</b>
39	600			62		350	800
40	600			63		350	400
41	600			64		350	400
42	1000 <sup>2</sup>			65		1000	1000

<sup>1</sup> Rates are based on only APRS service and apply after an officer is eligible for retirement with combined APRS and Proportionate Retirement Program (PRP) service. Entry ages are determined based on only APRS service. **An officer would need to have some PRP service in order for the bold rates to be applicable.**

<sup>2</sup> 100% retirement rate will be effective at age 60 if earlier.

<sup>3</sup> Rates are based on age and apply after an officer is eligible for retirement with combined APRS and PRP service. Entry ages are determined based on only APRS service. **An officer would need to have some PRP service in order for the bold rates to be applicable.**

## Exhibit 15C

*Austin Police Retirement System  
Withdrawal Rates Per 1,000 Members  
for December 31, 2009 Actuarial Valuation*

Combined Years of Service <sup>1</sup>	Withdrawal Rates
0	100
1	20
2	20
3	20
4	20
5	20
6	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

<sup>1</sup> APRS service combined with Proportionate Retirement Program service.

## Exhibit 16

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

Year of Service t	Salary Increases Due to	
	Promotion, Step, and Longevity 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
17	0.2	4.2
18	0.1	4.1
19	0.1	4.1
20	0.1	4.1
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

## Exhibit 17

*Austin Police Retirement System  
Assumed Service Retirement Rates Per 1,000 Members*

For Entry Ages Under 32 <sup>1</sup>				For Entry Ages 33 and Above <sup>3</sup>			
APRS Service	22 & Under	23-27	28-32	Age	33-37	38-42	43 & Over
<b>0-22</b>	<b>50</b>	<b>50</b>	<b>50</b>	33-37	<b>100</b>		
23	150	150	225	38-42	<b>100</b>	<b>100</b>	
24	100	100	150	43-47	<b>100</b>	<b>100</b>	<b>100</b>
25	100	100	150	48	<b>100</b>	<b>100</b>	<b>100</b>
26	150	150	250	49	<b>100</b>	<b>100</b>	<b>100</b>
27	150	150	250	50	<b>100</b>	<b>100</b>	<b>100</b>
28	250	250	250	51	<b>100</b>	<b>100</b>	<b>100</b>
29	250	250	300	52	<b>100</b>	<b>100</b>	<b>100</b>
30	300	300	400	53	<b>100</b>	<b>100</b>	<b>100</b>
31	300	300	500	54	<b>100</b>	<b>100</b>	<b>100</b>
32	300	300	1000 <sup>2</sup>	55	200	<b>100</b>	<b>100</b>
33	300	300		56	250	<b>100</b>	<b>100</b>
34	400	400		57	300	<b>100</b>	<b>100</b>
35	400	500		58	350	<b>100</b>	<b>100</b>
36	400	500		59	500	<b>100</b>	<b>100</b>
37	500	1000 <sup>2</sup>		60	1000	500	<b>100</b>
38	500			61		350	<b>100</b>
39	500			62		350	800
40	500			63		350	400
41	500			64		350	400
42	1000 <sup>2</sup>			65		1000	1000

<sup>1</sup> Rates are based on only APRS service and apply after an officer is eligible for retirement with combined APRS and Proportionate Retirement Program (PRP) service. Entry ages are determined based on only APRS service. **An officer would need to have some PRP service in order for the bold rates to be applicable.**

<sup>2</sup> 100% retirement rate will be effective at age 60 if earlier.

<sup>3</sup> Rates are based on age and apply after an officer is eligible for retirement with combined APRS and PRP service. Entry ages are determined based on only APRS service. **An officer would need to have some PRP service in order for the bold rates to be applicable.**

## Exhibit 17 (continued)

*Austin Police Retirement System  
Assumed Distribution of Retirements by Option Elected*

Service at Employment Termination	No DROP Elected <sup>1</sup>	RETRO DROP Elected	FORWARD DROP Elected	Total
23 or less	100%	0%	0%	100%
24	30	60	10	100
25	30	50	20	100
26	30	40	30	100
27	30	35	35	100
28	30	35	35	100
29	30	35	35	100
30	30	35	35	100
31	30	35	35	100
32	30	35	35	100
33	30	40	30	100
34	30	50	20	100
35	30	60	10	100
36	30	70	0	100
37	30	70	0	100
38	30	70	0	100
39	30	70	0	100
40	30	70	0	100
41	30	70	0	100
42	30	70	0	100%

<sup>1</sup> Police officers elect a type of service retirement benefit that does not include payment of a lump sum distribution.

**Exhibit 18***Austin Police Retirement System  
Assumed Withdrawal Rates Per 1,000 Members*

Combined Years of Service <sup>1</sup>	Withdrawal Rates
0	50
1	20
2	20
3	20
4	20
5	20
6	20
7	20
8	20
9	20
10	10
11	10
12	5
13	5
14	5
15	0
16	0
17	0
18	0
19	0

<sup>1</sup> APRS service combined with Proportionate Retirement Program service.

## Exhibit 19

*Austin Police Retirement System  
Assumed Disability Rates Per 1,000 Members<sup>1</sup>*

Age	Disability Rates	Age	Disability Rates
20	0.14	40	0.92
21	0.15	41	1.14
22	0.16	42	1.32
23	0.17	43	1.48
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

<sup>1</sup> Rates are for disability due to all causes, and occupational disability rates are assumed to be 55% of all cause rates. Rates are not applicable after an officer is or would be eligible for retirement.

**Exhibit 20*****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.
10. ***Amortization period*** – The period determined in an actuarial valuation as the number of years required, beginning with the valuation date, to amortize the unfunded actuarial accrued liability with a level percent of payroll that is the difference between the expected total contribution rate and the normal cost contribution rate.



## Exhibit 21

**Austin Police Retirement System**  
**Disclosures in Accordance with GASB Statement No. 25**  
**for the System's Financial Statements for Fiscal Year**  
**Ending December 31, 2010**

## I. Schedule of Funding Progress

Actuarial Valuation Date	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>1</sup> (c)	UAAL as a Percentage of Covered Payroll ((b - a)/c)
12/31/05	\$371,504,533	\$494,640,856	\$123,136,323	75.1%	\$93,428,957	131.8%
12/31/06 <sup>2,3</sup>	417,283,844	576,125,324	158,841,480	72.4	100,090,151	158.7
12/31/07 <sup>2</sup>	482,303,290	637,559,674	155,256,384	75.6	111,809,091	138.9
12/31/08 <sup>2,4</sup>	464,230,585	693,202,499	228,971,914	67.0	122,735,216	186.6
12/31/09 <sup>2</sup>	518,111,923	733,634,660	215,522,737	70.6	122,928,285	175.3
12/31/10 <sup>2</sup>	546,956,628	776,231,027	229,274,399	70.5	127,731,696	179.5

<sup>1</sup> The covered payroll is based on the annual rate of base pay and longevity pay assumed for the year following the valuation date.

<sup>2</sup> Some of the actuarial assumptions were revised.

<sup>3</sup> Reflects changes in plan benefit provisions effective September 1, 2007 and December 1, 2007.

<sup>4</sup> Reflects changes in plan benefit provisions effective January 2009.

## II. Schedule of Employer Contributions

Plan Year Ended 12/31	Actual Contribution As a Percent of Covered Payroll <sup>1</sup>	Actual Contribution Amount	Annual Required Contribution (ARC) <sup>2</sup>			Percent of ARC Contributed
			Date	AP	Rate	
2005	17.902%	\$15,754,922 <sup>3</sup>	12/31/03	28.6	17.902%	100.0%
2006	17.906	16,945,167 <sup>4</sup>	12/31/04	32.0	17.906	100.0
2007	17.919	18,510,066 <sup>5</sup>	12/31/05	30.0	18.775	95.4
2008	17.900	20,060,458 <sup>6</sup>	12/31/06	30.0	17.846	100.3
2009	18.254 <sup>7</sup>	22,159,076 <sup>8</sup>	12/31/07	30.0	16.776	108.8
2010	18.788 <sup>9</sup>	23,382,043 <sup>10</sup>	12/31/08	30.0	20.291	92.6

<sup>1</sup> Effective September 1, 2003, a portion of the Employer's total 18% contribution is allocated to a Retiree Death Benefit Fund.

<sup>2</sup> The ARC is based on a one-year lag between the date of the actuarial valuation ("Date") and the beginning of the plan year. The ARC is expressed as a contribution rate ("Rate") that is a percent of covered payroll. An amortization period (AP) for the ARC of up to 40 years was compliant with GASB parameters through the 2006 plan year. After the 2006 plan year, an AP of up to 30 years is compliant.

<sup>3</sup> The employer's total contribution during 2005 including the Retiree Death Benefit Fund was \$15,840,395.

<sup>4</sup> The employer's total contribution during 2006 including the Retiree Death Benefit Fund was \$17,033,469.

<sup>5</sup> The employer's total contribution during 2007 including the Retiree Death Benefit Fund was \$18,594,236.

<sup>6</sup> The employer's total contribution during 2008 including the Retiree Death Benefit Fund was \$20,171,151.

<sup>7</sup> The employer's total contribution rate was 18.25% January-September 2009 and 18.63% October-December 2009. The average contribution rate was 18.254% (18.345% total average - 0.091% for Retiree Death Benefit Fund).

<sup>8</sup> The employer's total contribution during 2009 including the Retiree Death Benefit Fund was \$22,272,667.

<sup>9</sup> The employer's total contribution rate was 18.63% January-September 2010 and 19.63% October-December 2010. The average contribution rate was 18.788% (18.88% total average - 0.092% for Retiree Death Benefit Fund).

<sup>10</sup> The employer's total contribution during 2010 including the Retiree Death Benefit Fund was \$23,501,903.

**Exhibit 21 (continued)**

*Austin Police Retirement System  
Disclosures in Accordance with GASB Statement No. 25  
for the System's Financial Statements for Fiscal Year  
Ending December 31, 2010*

**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, 2010
Actuarial cost method	Entry Age
Amortization method	Level percentage of projected payroll, open
Amortization period	23.2 years
Asset valuation method	Market value smoothed by a 5-year deferred recognition method with a 80%/120% corridor on market
Actuarial assumptions:	
- Investment rate of return, net of expenses	8.0%
- Projected salary increases for promotion, step, and longevity	4.0% to 22.0% per year, averaging 6.8%
- Inflation rate per year	4.0%
- Postretirement cost-of-living adjustments	None

**IV. Actuarial Information for Notes to the Financial Statement as Required by Paragraph 32 of GASB 25**

**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 was originally established in 1979 by a City Council ordinance. Since August 1991, the System has been governed by state law, with plan amendments made by the Texas Legislature. 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). The monthly benefit is equal to 3.2% of the highest 36-month average salary multiplied by years and months of service.

The DROP provisions 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 either elects for the RETRO DROP benefit computation date or elects to

**Exhibit 21 (continued)**

*Austin Police Retirement System  
Disclosures in Accordance with GASB Statement No. 25  
for the System's Financial Statements for Fiscal Year  
Ending December 31, 2010*

enter the FORWARD DROP. Further, the DROP provisions may be changed in the future by Board rule with approval by the System's actuary. Similarly, the eligibility requirement for service retirement may be changed in the future by Board rule with approval by the System's actuary, except the age 62 minimum eligibility regardless of service may not be changed.

The Post Retirement Option Plan (PROP) is an option allowing retiring officers to leave their DROP lump sum in the System for a period of time. The participant can elect to receive partial payments from the DROP lump sum account and can also elect to delay payment of the entire DROP lump sum. Interest credits are paid on the participant's DROP lump sum account following the participant's retirement until the entire lump sum is paid. The interest credits are granted based on 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, limited to 6% per year, and subject to the approval of the Retirement Board and the actuary.

A \$10,000 post-retirement lump sum death benefit is payable from a separate Retiree Death Benefit Fund (account) administered by the System.

Beginning in 2009, the System and the city began participating in the Texas statewide Proportionate Retirement Program (PRP). Service in other participating public employee retirement systems can be combined with service in the System to satisfy the System's requirements for service retirement eligibility and for eligibility for vested benefits for a terminated member. The participating systems, in addition to the System, are the six Texas statewide systems, the City of Austin Employees' Retirement System, and the systems for the City of El Paso employees.

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, 2010:

**Exhibit 21 (continued)**

*Austin Police Retirement System  
Disclosures in Accordance with GASB Statement No. 25  
for the System's Financial Statements for Fiscal Year  
Ending December 31, 2010*

Retirees and beneficiaries currently receiving benefits (543) and terminated employees entitled to future monthly benefits (21)	564
Current participating members	<u>1,624</u>
Total	2,188

**B. FUNDING POLICY**

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 during the plan year ending December 31, 2009, participants are required to contribute 13% of their basic compensation to the System. The City's required contributions were equal to 18.63% of basic compensation for the first nine months of 2010. The City contribution rate increased to 19.63% on October 1, 2010 and will further increase to 20.63% on October 1, 2011 and to 21.63% on October 1, 2012.

Since September 1, 2003, a portion of the City's contribution has been allocated to the Retiree Death Benefit Fund. This portion, determined annually, was 0.092% for 2010 based on the December 31, 2008 actuarial valuation and is 0.098% for 2011 based on the December 31, 2009 actuarial valuation. This portion was determined based on the December 31, 2010 actuarial valuation to be 0.102% for 2012.

The City contribution rate is required by the state law governing the System and may be changed by amendment made by the Texas Legislature. The participant contribution rate may be changed by amendment made by the Texas Legislature or by appropriate actions of the Board and the participating members in accordance with the state law governing the System. The participant contribution rate was increased from 9% to 11% effective October 2006 and to 13% effective October 2007 by a recommendation of the Retirement Board and an approving vote of the participating members in accordance with the state law governing the System. During the regular 2011 session of the Texas Legislature, they set the minimum participant contribution rate at 13%.

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 contribution arrangement at the time any change is made.

**Exhibit 21 (continued)**

***Austin Police Retirement System  
Disclosures in Accordance with GASB Statement No. 25  
for the System's Financial Statements for Fiscal Year  
Ending December 31, 2010***

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, 2010 and the plan provisions reflected in that valuation, the normal cost was 22.438% of pay and the amortization period was 23.2 years.

## Exhibit 22

### *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, 2011*

#### I. Annual Pension Cost

For the fiscal year ending September 30, 2011, the City's Annual Pension Cost (APC) for the Austin Police Retirement System is \$ \_\_\_\_\_ as described below in footnote 4 of Trend Information. The total contributions by the City are a fixed percentage of basic compensation, consisting of base pay and longevity pay, of the members of the System. Effective October 1, 2010, the city contribution rate increased from 18.63 to 19.63% and will further increase to 20.63% on October 1, 2011.

Since September 1, 2003, a portion of the city's contribution is allocated to a separate Retiree Death Benefit Fund (account). This portion, determined annually, was 0.092% for 2010 based on the December 31, 2008 actuarial valuation and is 0.098% for 2011 based on the December 31, 2009 actuarial valuation. Therefore, the contributions for the fiscal year ending September 30, 2011 were equal to 19.538% of payroll for the period October 1, 2010 through December 31, 2010, and 19.532% of payroll for the period January 1, 2011 through September 30, 2011.

The annual required contribution (ARC) by the city for the fiscal year ending September 30, 2011 was based on the actuarial valuations as of December 31, 2008 (for the 2010 plan year) and as of December 31, 2009 (for the 2011 plan year) using the entry age actuarial cost method and determined in compliance with the GASB Statement No. 27 parameters, including the amortization periods for the ARC indicated below. The actuarial methods and assumptions used for the three most recent valuations are shown below:

Valuation date	12/31/2008	12/31/2009	12/31/2010
Actuarial cost method	Entry age	Entry age	Entry age
Amortization method	Level percent of payroll, open	Level percent of payroll, open	Level percent of payroll, open
Amortization period for ARC	30 years	30 years	30 years
Asset valuation method	5-year adjusted market value	5-year adjusted market value	5-year adjusted market value
<b>Actuarial Assumptions</b>			
• Investment return	8.0%	8.0%	8.0%
• Projected salary increases	4.0% plus promotion, step, and longevity	4.0% plus promotion, step, and longevity	4.0% plus promotion, step, and longevity
• Inflation	4.0%	4.0%	4.0%
• Cost-of-living increases	0.0%	0.0%	0.0%
• Payroll increases	4.0%	4.0%	4.0%
ARC as a percent of payroll for the plan year	20.291% 2010	19.360% 2011	19.698% 2012

## 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, 2011**

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

Fiscal Year Ending	Annual Pension Cost (APC)	Contributions as a Percent of Covered Payroll	Percentage of APC Contributed	Net Pension Obligation
09/30/2009	\$ _____ <sup>1</sup>	17.900/18.159%	_____ <sup>2</sup>	_____ <sup>1</sup>
09/30/2010	_____ <sup>3</sup>	18.538/18.539	_____ <sup>2</sup>	_____ <sup>3</sup>
09/30/2011	_____ <sup>4</sup>	19.538/19.532	_____ <sup>2</sup>	_____ <sup>4</sup>

<sup>1</sup> As determined using worksheet on page 44 of the December 31, 2008 actuarial valuation report.

<sup>2</sup> The percentage of APC contributed is the actual city contributions to the System in excess of the portion of contributions for the Retiree Death Benefit Fund, divided by the APC.

<sup>3</sup> As determined using worksheet on page 44 of the December 31, 2009 actuarial valuation report.

<sup>4</sup> See the worksheet at the end of this exhibit.

**III. Schedule of Funding Progress**

Actuarial Valuation Date	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>1</sup> (c)	UAAL as a Percentage of Covered Payroll ((b - a)/c)
12/31/05	\$371,504,533	\$494,640,856	\$123,136,323	75.1%	\$93,428,957	131.8%
12/31/06 <sup>2</sup>	417,283,844	576,125,324	158,841,480	72.4	100,090,151	158.7
12/31/07 <sup>2,3</sup>	482,303,290	637,559,674	155,256,384	75.6	111,809,091	138.9
12/31/08 <sup>2</sup>	464,230,585	693,202,499	228,971,914	67.0	122,735,216	186.6
12/31/09 <sup>2,4</sup>	518,111,923	733,634,660	215,522,737	70.6	122,928,285	175.3
12/31/10 <sup>2</sup>	546,956,628	776,231,027	229,274,399	70.5	127,731,696	179.5

<sup>1</sup> The covered payroll is based on the annual rate of base pay and longevity pay assumed for the year following the valuation date.

<sup>2</sup> Some of the actuarial assumptions were revised.

<sup>3</sup> Reflects changes in plan benefit provisions effective September 1, 2007 and December 1, 2007.

<sup>4</sup> Reflects changes in plan benefit provisions effective January 2009.

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**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, 2011*

**IV. Actuarial Information 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 issues a stand-alone report that is available from the Retirement Board.

The System was originally established in 1979 by a City Council ordinance. Since 1991, the System has been governed by state law, with plan amendments made by the Texas Legislature. 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). The monthly benefit is equal to 3.2% of the highest 36-month average salary multiplied by years and months of service.

The DROP provisions 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 either elects for the RETRO benefit computation date or elects to enter the FORWARD DROP. Further, the DROP provisions may be changed in the future by Board rule with approval by the System's actuary. Similarly, the eligibility requirement for service retirement may be changed in the future by Board rule with approval by the System's actuary, except, the age 62 minimum eligibility regardless of service may not be changed by Board rule.

The Post Retirement Option Plan (PROP) is an option allowing retiring officers to leave their DROP lump sum in the System for a period of time. The participant can elect to receive partial payments from the DROP lump sum account and can also elect to delay payment of the entire DROP lump sum. Interest credits are paid on the participant's DROP lump sum account following the participant's retirement until the entire lump sum is paid. The interest credits are granted based on 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,



**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, 2011*

their level of earnings and length of service. Payments to officers or their beneficiaries may be increased annually on an ad hoc basis, limited to 6% per year, and subject to the approval of the Retirement Board and the actuary.

A \$10,000 post-retirement lump sum death benefit is payable from a separate Retiree Death Benefit Fund (account) administered by the System.

Beginning in 2009, the System and the city began participating in the Texas statewide Proportionate Retirement Program (PRP). Service in other participating public employee retirement systems can be combined with service in the System to satisfy the System's requirements for service retirement eligibility and for eligibility for vested benefits for a terminated member. The participating systems, in addition to the System, are the six Texas statewide systems, the City of Austin Employees' Retirement System, and the systems for the City of El Paso employees.

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.

**B. FUNDING POLICY**

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 during the fiscal year ending September 30, 2009, participants are required to contribute 13% of their basic compensation to the System. The City's required contributions were equal to 18.63% of basic compensation from October 1, 2009 to September 30, 2010. The City contribution rate increased to 19.63% on October 1, 2010 and will further increase to 20.63% on October 1, 2011 and to 21.63% on October 1, 2012.

Since September 1, 2003, a portion of the City's contribution has been allocated to the Retiree Death Benefit Fund. This portion, determined annually, was 0.092% for 2010 based on the December 31, 2008 actuarial valuation and is 0.098% for 2011 based on the December 31, 2009 actuarial valuation. This portion was determined based on the December 31, 2010 actuarial valuation to be 0.102% for 2012.

The total City contribution rate of 18.63% during fiscal year 2009-2010 and the subsequent increases as described above are required by the state law governing the System and may be changed by amendment made by the Texas Legislature. The participant contribution rate may be changed by amendment made by the Texas Legislature or by appropriate actions of the Board and the participating members in

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**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, 2011*

accordance with the state law governing the System. The participant contribution rate was increased from 9% to 11% effective October 2006 and to 13% effective October 2007 by a recommendation of the Retirement Board and an approving vote of the participating members in accordance with the state law governing the System. During the regular 2011 session of the Texas Legislature, they set the minimum participant contribution rate at 13%.

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 contribution arrangement at the time any change is made. 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, 2010 and the plan provisions reflected in that valuation, the normal cost was 22.438% of pay and the amortization period was 23.2 years.

## Exhibit 22 (continued)

*Austin Police Retirement System  
GASB Statement No. 27 Worksheet for  
Annual Pension Cost (APC) and Net Pension Obligation (NPO)  
for the Fiscal Year Ending September 30, 2011*

	Plan Year in Which the Accounting Year		Accounting Year Total Column C
	Begins Column A	Ends Column B	
1. Plan year	2010	2011	
2. Valuation date that is the basis for plan year ARC	12/31/2008	12/31/2009	
3. Months of accounting year in each plan year	Oct.-Dec.	Jan.-Sept.	
4. Portion of accounting year in each plan year	25%	75%	
5. GASB compliant ARC for months of accounting year in line 3	_____ <sup>1</sup>	_____ <sup>2</sup>	
6. ARC for the accounting year (5A+5B)			_____
7. NPO at beginning of accounting year			_____ <sup>3</sup>
8. Actuarial investment return assumption used in calculating line 5	8.0%	8.0%	
9. Multiply line 7A by line 4 x line 8	_____	_____	
10. Total interest on NPO (9A+9B)			_____
11. Actuarial amortization factor used in calculating line 5 amount	18.2974	18.2974	
12. Divide line 7A by line 11, then multiply by line 4	_____	_____	
13. Adjustment to the ARC (12A+12B)			_____
14. Annual pension cost (APC) (6C+10C-13C)			_____
15. Actual contributions to the plan for the accounting year			_____ <sup>4</sup>
16. Change in NPO (14C-15C)			_____
17. NPO at end of accounting year (7A+16C)			_____
18. % of APC contributed (15C÷14C)			_____

<sup>1</sup> ARC = 20.291% of actual covered payroll for October – December 2010.

<sup>2</sup> ARC = 19.360% of actual covered payroll for January – September 2011.

<sup>3</sup> The NPO as of October 1, 2010 should have been determined according to the prior year worksheet.

<sup>4</sup> Contributions in excess of the portion of contributions for the Retiree Death Benefit Fund.

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# HISTORICAL INFORMATION SECTION

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## Improvements to the System (Last 15 Years)

### **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.

## Improvements to the System (Last 15 Years)

### **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.

### **September 2003**

IRS code adopted to allow the retiree death benefit amount of \$7,500 to be distributed to beneficiary of retired member as a Tax Free lump sum amount.

Permissive Service Credit provision added, which allows members to purchase at 20 years of service, additional time, minimum of three years service credit needed to retire at normal retirement eligibility (23 years) at actuarially neutral cost to the 'System'.

### **April 2006**

The PROP Monthly Annuity Deferral Option was added for retiree members.

### **October 2006**

Member contribution rate was increased from 9% to 11%.

### **April 2007**

Forward Deferred Retirement Option Plan (FORWARD DROP) provision added for a one-time benefit whereby active police officers can choose to retire, continue working for and drawing a paycheck from APD, while their retirement annuity is deferred into a DROP account on their behalf at the retirement system.

## Improvements to the System (Last 15 Years)

### **September 2007**

Permissive service credit was changed to (1) allow the purchase by a deceased member's designated beneficiary if there is no surviving spouse and (2) allow the purchase to be based on deferring the actual date when retirement benefits would begin in order to reduce the member's cost (Deferred Permissive Service)

The retiree death benefit is increased to \$10,000 from \$7,500

### **October 2007**

Member contribution rate was increased from 11% to 13%.

### **December 2007**

Benefit formula multiplier was increased from 3.0% to 3.2%.

Special Ad hoc increase granted to retirees based on benefit multiplier 3.2% divided by benefit multiplier 3.0%, minus one, and multiplied by 100.

### **January 2009**

The City's contribution rate was increased from 18% to 18.25% to fund APRS participation in Texas Proportionate Retirement System.

### **March 2009**

APRS joined the Texas Proportionate Retirement System. This allowed members with service credit in more than one participating retirement system to be eligible to combine their service credits in order to satisfy the length of service requirements used to determine eligibility for service retirement.

### **September 2009**

The City's contribution rate was increased from 18.25% to 18.63% to fund APRS participation in Texas Proportionate Retirement Program.

### **October 2010**

The City's contribution rate was increased from 18.63% to 19.63% .

## Interest Paid On Member Contributions (15 year History)

Year	Interest Paid
2010	0.0%
2009	0.0%
2008	0.0%
2007*	5.0%
2006	0.0%
2005	0.0%
2004	2.0%
2003	2.0%
2002	2.0%
2001	4.0%
2000	5.0%
1999	5.0%
1998	5.0%
1997	5.0%
1996	5.0%

\*Beginning in 2007, interest is only paid on vested members accounts

### **How is the amount of interest paid on retirement contributions determined?**

The Board of Trustees annually determines the amount of interest paid on vested 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 only to vested members' (10 yrs. Of service) accounts 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 \$50,000 on January 1, and on December 31, you had \$60,000, your interest for that year would be based on the \$50,000 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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**Cost of Living (Ad Hoc) Adjustments  
(15 Year History)**

<b>Year</b>	<b>COLA Paid</b>
2010	0.0%
2009	0.0%
2008	0.0%
2007	1.0%
2006	0.0%
2005	0.0%
2004	1.75%
2003	3.0%
2002	1.5%
2001	3.0%
2000	3.0%
1999	3.0%
1998	4.0%
1997	2.0%
1996	3.0%

**How is the amount of cost of living adjustments for retirees determined?**

The Board of Trustees annually determines the amount of cost of living adjustment (Ad Hoc) to pay retirees, taking into consideration the performance of the Fund's investments, consumer price index (CPI) 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, making sure the liabilities can be amortized within acceptable accounting and governmental guidelines.

Cost of living adjustments are paid at the beginning of the calendar year, of the year proceeding the year approved. A member who retires between January 1, and December 31, in the year the cost of living adjustment is approved, will see their amount paid prorated for the number of months the retiree was actually retired.

## Comparative Statement of Membership

	2010	2009
<b>ACTIVE MEMBERS</b>		
Total Number of Members, January 1	1,651	1,629
Add: New Members	23	83
Deduct: Members Terminated	(20)	(17)
Deceased Members	0	(2)
Members Transferred to Retiree System	(30)	(42)
<b>TOTAL ACTIVE MEMBERS, DECEMBER 31</b>	<b><u>1624</u></b>	<b><u>1651</u></b>
<b>VESTED TERMINATED</b>		
<b>TOTAL VESTED TERMINATED MEMBERS, DECEMBER 31</b>	<b><u>21</u></b>	<b><u>20</u></b>
<b>RETIREE MEMBERS</b>		
Total Number of Members, January 1	514 <sup>(2)</sup>	475
Add: Retired Members Transferred to System	30	42
Deduct: Retired Members Deceased	(3)	(10)
<b>TOTAL RETIRED MEMBERS, DECEMBER 31</b>	<b><u>543<sup>(1)</sup></u></b>	<b><u>514<sup>(2)</sup></u></b>
<b>TOTAL APRS MEMBERS DECEMBER 31</b>	<b>2,188</b>	<b>2,185</b>

1. Includes 20 alternate payees of QDROs and 0 new survivor benefits

2. Includes 18 alternate payees of QDROs and 7 new survivor benefits

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**BENEFIT GUIDE**  
**SECTION**

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## INTRODUCTION

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, Article 6243n-1, Vernon's Texas Civil Statutes, as amended will prevail.

## RETIREMENT SYSTEM MEMBERSHIP AND CONTRIBUTIONS

### MEMBERSHIP REQUIREMENTS

All cadets upon enrollment in the Austin Police Academy, and commissioned law enforcement officers employed by the City of Austin Police Department, as well as full time employees of the City of Austin Police Retirement System (after serving a 6 month probationary period); become members of the Police Retirement System at date of employment.

### CONTRIBUTIONS

Each member of the system contributes 13% of base pay bi-weekly and annual longevity pay through payroll deduction. Overtime or special pay is not included. Contributions continue unless a member is on leave of absence, withdraws by terminating and/or retiring.

The City of Austin contributes 18% of every police member's base pay bi-weekly and 18% of member's longevity pay annually. (Effective October 1, 2010, the City's contribution rate will increase an additional 1% to equal 19%). 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 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. These contributions and interest earned thereof, also help in paying lifetime benefits to the surviving beneficiaries of deceased retirees according to their selected option and pay periodic (Ad-Hoc) cost of living adjustments (COLA's).

In addition, 2009 legislation provided that the City of Austin contribute additional costs incurred by the System for participating in the proportionate retirement program as set forth in Chapter 803 in the Texas Government Code (the "PRP"):

1. Increasing contribution rates from 18.00% to 18.25% for the period from January , 2009 through September 30, 2009
2. Increasing contribution rates from 18.25% to 18.63% for periods following September 30, 2009, and Subsequent adjustments to the City's contribution rate following each 5 years of PRP participation with adjustments to be based on experience studies performed by the system's actuary.

## 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 Statement Guidelines. The investments provide returns that help fund the monthly retirement allowances and make benefit improvements to the system on behalf of active members, retired members and beneficiaries.

## **SERVICE RETIREMENT BENEFITS**

### RETIREMENT ELIGIBILITY

Normal, unreduced retirement:

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

- \* Any age and 23 years creditable service. (excluding Pre-membership Military Service)
- \* Age 55 and 20-years creditable service. (excluding Pre-membership Military Service)
- \* Age 62 and any number of creditable service years.

### CREDITABLE SERVICE

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

1. Membership Service - Eligible service during employment period where a member makes payroll contributions to the fund.
2. Probationary Service - Eligible service purchased from commission date to retirement system start date in the event it has not been credited.
3. Military Service - Eligible service purchased for up to two years previous active federal duty military service, prior to employment. A member is not eligible to use this type of military service credit when it has been used as creditable service in another federal or statutory public retirement system in Texas.
4. Uniformed Leave of Absence Service - Eligible service for military leave of absence granted from City employment and purchased within five years of reemployment with the City.

5. Reinstated Forfeited Service - Eligible service for prior Austin Police Retirement System membership service that was forfeited by withdrawal of accumulated deposits, and repurchased after 24 consecutive months of membership service after police reemployment.

6. Cadet Service - Eligible service purchased from date of cadet class enrollment to commission date in the event it has not been credited.

7. Permissive Service - Eligible service of up to 60 months at 20 years of service credit or more for immediate retirement, excluding pre-membership military service, at full actuarial present value cost.

8. Deferred Retirement Permissive Service- Eligible service of up to 60 months at 20 years of service credit or more with a delayed monthly annuity, excluding pre-membership military service, at full actuarial present value cost.

#### PROPORTIONATE SERVICE

Program for the benefit of members of participating public retirement systems. A member of two or more of the following participating retirement systems may be eligible for proportionate benefits:

- Austin Police Retirement System
- City of Austin Employees' Retirement System
- The El Paso City Employees' Pension Fund
- El Paso Firemen and Policemen's Pension Fund
- Employees Retirement System of Texas (ERS)
- Judicial Retirement System of Texas I & II
- Texas Municipal Retirement System (TMRS)
- Texas County and District Retirement System (TCDRS)
- Teacher Retirement System of Texas (TRS)
- Other Texas retirement systems covering municipal employees who have qualified plans and have elected to participate in the Proportionate Retirement Program

Participating systems recognize service from other participating systems. A member with service credit in more than one participating retirement system may be eligible to combine that service in order to satisfy the length of service requirements used to determine eligibility for service retirement. Retirement benefits will be paid separately from each system, based only on the service performed in that system. Military service purchases may only be used once in determining the amount of the member's combined

service credit. A member of a participating retirement system who forfeited membership service by withdrawing their deposits may re-establish credit for service earned in another participating proportionate retirement system. A member must contact the system in which they previously had membership in order to determine eligibility requirements to re-establish service credit and/or membership. A member should determine their proportionate retirement benefits before withdrawing member deposits in any of these systems.

#### RETIREMENT BENEFIT LIFE ANNUITY CALCULATED

Basic retirement benefit Life Annuity are calculated using the following formula. Monthly annuity check would begin at the date the member would have been eligible for normal retirement.

	\$6,250	
	Average monthly salary for highest 36 months of last 10 years of contributing service	
23	× 3.2% =	\$4,600
Total years of membership		Basic monthly benefit amount service

\*3.2% multiplied by years of membership service times averaged monthly salary for the highest 36 months of the last ten years of contributing service by payroll deduction.

#### RETIREMENT OPTIONS

The Police Retirement System provides several options under which monthly benefits may be paid. The options below require verifiable information to be submitted to the Pension Office for calculation. Please note: A member may not change their chosen option after they have already retired.

##### **Life Annuity -**

Monthly retirement annuity payable only to the member for life with no survivor benefits.

##### **Option I - 100% Joint and Survivor Annuity**

This is a retirement annuity payable monthly as long as you live. At your death, your surviving beneficiary will receive the same annuity amount.

**Option II - 50% Joint and Survivor Annuity**

This is a retirement annuity payable monthly as long as you live. At your death, your surviving beneficiary will receive one-half the annuity amount.

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

This is a retirement annuity payable monthly as long as you live. At your death, your surviving beneficiary will receive two-thirds the annuity amount.

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

This is a retirement annuity payable monthly as long as you live. At either your death or the death of your beneficiary, the last survivor of the two will receive two-thirds of the annuity amount.

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

This is a retirement annuity payable monthly as long as you live. If your death occurs before you have received 180 payments, your designated beneficiary or estate will receive the remaining monthly payments. If you are still living after receiving the 180 payments, payments will continue until your death.

The options that 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 provide 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 (RETRO DROP)

The retroactive deferred retirement option plan, referred to as RETRO DROP Option, is a one-time benefit 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 pre-membership 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 benefit balance 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 31st for balances on deposit as of January 1st 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.

### FORWARD DEFERRED RETIREMENT OPTION PLAN (Forward DROP)

The forward option one-time benefit whereby active police officers can choose to retire, continue working for and drawing a paycheck from APD, while their retirement annuity is deferred into a DROP account on their behalf at the retirement system. To be eligible a member must qualify with a normal service retirement of 23 years at any age, excluding pre-membership military service credit and permissive service credit, as of the date of his or her election to participate in the Forward DROP. The maximum amount of service to be used in computation of the Forward DROP after normal service retirement of 23 years, excluding pre-membership service credit and permissive service credit is sixty (60) months.

A member's election to participate in the Forward DROP is irrevocable. During the period that a member participates in Forward DROP, retirement contributions shall be made to the member's Forward DROP account. The Forward DROP benefit balance will include the accumulated monthly benefits during Forward DROP participation with retiree COLA'S, multiplier increases, member contributions and a 5% simple interest calculation on December 31st for balances on deposit as of January 1st of the same calendar year. A member who elects Forward DROP receives a one-time lump sum benefit with a reduced monthly retirement benefit at termination of employment date.

If a member electing to participate in Forward DROP decides to continue employment covered by the Act governing the System after her or she has participated in Forward DROP for sixty (60) months, no further annuity deferrals or member contributions shall be deposited to the members Forward DROP account after that sixty month period. In that event, the member shall continue making all contributions required under the Act governing the System, however, these contributions will not be used in the pension benefit calculation and the member will not receive any further service credit for time worked.

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.

#### **DROP BALANCE OPTION PLAN or (PROP) Post Retirement Option Plan**

Instead of receiving a single lump-sum payment, a member may elect to receive partial payments from the member's RETRO or Forward DROP account by transferring the funds into a PROP, in an amount elected by the member. The board may establish procedures concerning partial payments, including limitations on timing and frequency of those payments. A member who elects partial payments may, at any time, elect to receive the member's entire remaining RETRO or Forward DROP 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 or Forward DROP funds in the PROP account shall be credited with earnings or losses of the system while they 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.

#### **PROP MONTHLY ANNUITY DEFERRAL**

The PROP Monthly Annuity Deferral plan allows retiring or retired members to defer receipt of a minimum of \$250 of their monthly annuity in order to defer the taxation of the deferred payments and to have the monthly benefits accumulate for later disbursement and later taxation in a Post Retirement Option Plan account. Special rules provide for two (one-time) period of deferrals in a calendar year that cease at the earliest of: (1) the date payment on the monthly benefit is requested, or (2) the IRS required age of 70 ½ is reached.

Making an election to defer a member's monthly annuity into PROP or revoking that election can have adverse tax consequences in some situations, especially if the member terminated active service before the year in which he or she attained age 50. Therefore, the election should not be made until the member has discussed the matter with a professional financial planner or tax advisor who is knowledgeable about the tax treatment of distributions from qualified tax plans.

## RETIREMENT OPTION'S AFFECT ON BENEFICIARY

If a member selects the Life Annuity, the monthly benefit stops at the death of the member. At that time an amount equal to the excess, if any, of the member's accumulated deposits over the amount of payments 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 designee 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 RETIREMENT BENEFITS**

### DISABILITY ELIGIBILITY

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

1) if an active member with less than 10 years of creditable service 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 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.

2) if an active member with more than 10 years of creditable service 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.

### COMPUTATION OF DISABILITY BENEFIT

On award of disability retirement benefits, the member shall receive a disability retirement benefit computed in the same manner that a service retirement benefit would be computed at the member's normal retirement date, based on average final compensation and creditable service at date of disability retirement without reduction for early retirement. If the disability is a direct or proximate result of the performance of the member's employment duties with the system or the city, then the disability retirement benefit will be subject to a minimum benefit based on average final compensation at date of disability retirement and 20 years of service.

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

### DISABILITY BENEFIT LIFE ANNUITY CALCULATED

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

$$\begin{array}{r}
 \text{\$6,250} \\
 \text{Average monthly salary for highest 36 months of last 10 years} \\
 \text{of contributing service} \\
 \hline
 20 \qquad \qquad \qquad \times 3.2\% = \qquad \qquad \qquad \text{\$4,000} \\
 \text{Total years of membership} \qquad \qquad \qquad \text{Basic monthly benefit amount service}
 \end{array}$$

\*3.2% multiplied by years of membership service times averaged monthly salary for the highest 36 months of the last ten years of contributing service by payroll deduction.

## DEATH & SURVIVOR BENEFITS

### FOR RETIREE OR ELIGIBLE RETIREE'S BENEFICIARY

At the death of a retiree, a tax free death benefit of \$10,000 (or a proportionate benefit if the member retired under the Proportionate Retirement Program) is paid to the designated beneficiary(ies) or estate.

At the death of an active member eligible to retire, a tax free death benefit of \$10,000 is paid to the 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 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 member's accumulated deposits. The lump sum payment may not be less than \$10,000. When the \$10,000 minimum is payable, the amount payable from the Fund is \$10,000 minus the accumulated deposits standing to the member's credit.

At the death of a vest 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 payments begin, their designated beneficiary would receive in a lump sum amount twice the deceased vested members' 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 the member's accumulated deposits and lump sum death benefit.

In the event a member who is eligible for service retirement dies without making a written option selection, and the member leaves a surviving spouse. The surviving spouse may select a retirement option in the same manner as the member would have made or may select a lump sum payment equal to twice the members accumulated deposits.

If there is no surviving spouse, the deceased member's designated beneficiary may elect to receive payment under Option V, 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 members accumulated deposits.

When monthly benefits are payable in lieu of a lump sum, a \$10,000 taxable 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 service retirement, the member may file with the board the member's written statement either selecting a retirement option or designation of beneficiary. The member will retain the right to make a final selection of retirement option or designation of beneficiary until the date of retirement.

### HEALTH INSURANCE

Basic medical, dental and vision 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 [www.ci.austin.tx.us/benefits/enrollment](http://www.ci.austin.tx.us/benefits/enrollment) or One Texas Center, 505 Barton Springs Rd., Suite 600, P.O. Box 1088, Austin, Texas 78704 or by phone at (512) 974-3284.

### LEAVING THE SYSTEM

#### DEFINITION OF A VESTED MEMBER

When you declare participation in the Texas Proportionate Retirement Program or have attained ten years of Austin Police Retirement System creditable service, 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 the City Police 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 retirement contributions for vested inactive members draw interest, the inactive member's multiplier can increase during the years between the member's termination and retirement, but no cost of living increases are applied to the member's benefit.

## RETIREMENT BENEFITS RETURNED TO MEMBER

When you leave the City as a cadet or a commissioned officer, you will fill out a refund form telling the Pension Office which option you wish, when you want to receive your retirement contributions and where you want them to be sent. Your choices are:

1. Have your contributions refunded as soon as you terminate employment. Your retirement contribution refund check will be issued two weeks after you receive your final check. It will be mailed to the address on the refund form. (Federal Income Tax will be withheld on all untaxed contributions and interest at 20% of the total taxable amount.)
2. Have your contributions refunded to you the end of the calendar year. By doing this, you may 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. 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 on your behalf).
4. Have your contributions left in the System if you have ten or more credit service years. 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 may continue to earn interest until your monthly annuity begins. One thing to remember should you choose vesting is when you reach eligibility, your benefits will be based on the eligibility in effect at the time you terminated employment. You will receive the current multiplier but no cost of living increases will be applied to your benefits after you leave City Police employment and before the date your annuity payments begin.
5. Have your contributions left in the System if you are eligible or expect to become eligible to participate in the Proportionate Retirement Program.

## 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 time sheet 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 ACCUMULATED DEPOSITS

Every payday the City contributes an amount to the retirement fund that is 19.63% 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.

When you leave police employment before becoming eligible for retirement, all of your own contributions and interest are returned, however no City contributions, or interest earned, will be paid to you.

## FUND INFORMATION

### RETIREMENT FUND LOANS AND WITHDRAWALS

The Austin Police Retirement System is an approved I.R.S. qualified 414(h) defined benefit plan designed to provide income to members who retire from the City. Because of this, APRS members are not allowed, by Federal law, to borrow or withdraw funds as long as they are still employed.

### DETERMINING INTEREST ON YOUR VESTED CONTRIBUTIONS

The Board of Trustees annually determines the amount of interest paid on vested 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 members who will someday retire.

Retirement interest is paid on December 31st, based on the amount each member has in the Police Retirement System on January 1st of the same calendar year.

### DETERMINING YOUR COA-POLICE RETIREMENT SYSTEM'S DEPOSIT AMOUNT

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

### 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, the Benefit Services Manager will prepare a schedule of your benefits under each of the options and assist you in your preparation to retire.

The Pension Office personnel can be reached at [www.ausprs.org](http://www.ausprs.org) or (512) 416-7672 and their address is 2520 South I.H. 35, Suite 100, Austin, Texas 78704.



NOTES:

**CITY OF AUSTIN POLICE RETIREMENT SYSTEM**

P.O. Box 41089  
2520 S. IH-35  
Suite 100  
Austin, TX 78704

Phone: 512-416-7672  
Fax: 512-416-7138  
Website: [www.ausprs.org](http://www.ausprs.org)

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