

City of Philadelphia Municipal Retirement System

> Actuarial Valuation as of July 1, 2009

Produced by Cheiron

March 2010



Table of Contents

Letter of Transmittal i
Section I – Board Summary1
Section II – Assets
Section III – Liabilities
Section IV – Contributions and Minimum Municipal Obligation
Section V – Accounting Statement Information46
Appendix A – Membership Information
Appendix B – Supporting Tables for City's Funding Policy72
Appendix C – Summary of Actuarial Assumptions and Methods80
Appendix D – Summary of Plan Provisions
Appendix E – Glossary of Terms



LETTER OF TRANSMITTAL

March 24, 2010

City of Philadelphia Municipal Retirement System Two Penn Center Plaza – 16th Floor Philadelphia, PA 19102-1721

Dear Board Members:

At your request, we have performed the July 1, 2009 actuarial valuation of the City of Philadelphia Municipal Retirement System.

In preparing our report, we relied without audit, on information (some oral and some written) supplied by the System's staff. This information includes, but is not limited to, plan provisions, employee data, and financial information. The results of this report are only applicable to the System's contribution for Fiscal Year Ending 2011, and rely on future plan experience conforming to the underlying assumptions. To the extent that actual plan experience deviates from the underlying assumptions, the results will vary accordingly.

This report reflects the funding requirements and determination of the City's Minimum Municipal Obligation (MMO) before recognition of the amendments made under Act 44 to the Act 205 funding requirements through the addition of Chapter 10. A separate report will be prepared as required under Act 205 Section 1002(b)(1) to reflect the MMO as amended.

We hereby certify that, to the best of our knowledge, this report is complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices which are consistent with the Code of Professional Conduct and applicable Actuarial Standards of Practice set out by the Actuarial Standards Board, and that we meet the Qualification Standards, as defined by the American Academy of Actuaries, to render the opinion contained in this report.

Finally, in preparation of this report we have accepted the assumptions and methodologies as adopted by the Board of Pensions and Retirement for the City of Philadelphia Municipal Retirement System.

Sincerely, Cheiron

7006.701

Kenneth A. Kent, FSA, FCA, EA, MAAA Consulting Actuary

Karen Zangara

Karen Zangara, FSA, EA Consulting Actuary

i



SECTION I BOARD SUMMARY

The primary purpose of the actuarial valuation and this report is to disclose the following as of the valuation date:

- The financial condition of the City of Philadelphia Municipal Retirement System,
- Past trends and expected future trends in the Retirement System's financial condition,
- The City's required contribution for Fiscal Year (FY) 2011 before application of the alternative funding under Chapter 10 of Act 205 pertaining to Cities of the First Class,
- The Retirement Board's Funding Policy recommended City contribution, and
- Information required by the Governmental Accounting Standards Board (GASB).

In this Section, we present a summary of the principal valuation results. This includes the basis upon which the July 1, 2009 valuation was completed and an examination of the current financial condition of the System. In addition, we present a review of the key historical trends followed by the System's projected financial outlook.

A. Valuation Basis

The June 30, 2009 valuation results are based on the same actuarial assumptions and methods used in the June 30, 2008 valuation except as follows:

- Interest Rate: The interest rate decreased from 8.75% to 8.25%.
- Asset Valuation Method: Investment gains and losses are smoothed over a ten year period prospectively beginning with investment returns from July 1, 2008 through June 30, 2009.
- Actuarial Funding Method: Amortization period of actuarial gains and losses was extended from 15 years to 20 years.
- Administrative Expenses: Expense assumption was increased from \$7.5 million to \$8.0 million.

Below we highlight significant outcomes of this valuation. Table I-1 summarizes these results:

• Unfunded Actuarial Liability (UAL): The UAL is the excess of the System's actuarial liability (AL) over the actuarial value of assets (AVA). The UAL increased from \$3.779 billion as of July 1, 2008 to \$4.933 billion as of July 1, 2009 primarily due to asset losses from July 1, 2008 through June 30, 2009 as well as the increase in the AL due to the 50 basis point decrease in the interest rate.



SECTION I BOARD SUMMARY

- *Funding Ratio*: This is the ratio of the System's AVA to AL. The funding ratio decreased from 55.0% as of July 1, 2008 to **45.0% as of July 1, 2009** due to the asset losses and the interest rate assumption change.
- *Minimum Municipal Obligation (MMO)*: The MMO is the required minimum amount the City must contribute under Pennsylvania State law **before application of amendments** specific to the System. The MMO provided in this report does not reflect possible deferrals of a portion of the MMO, as permitted per Act 44. The MMO increased from \$447.4 million for FY 2010 to **\$569.3 million for FY 2011**.
- *Contribution under the City's Funding Policy:* The recommended beginning-of-year contribution under the City's Funding Policy increased from \$545.6 million for FY 2010* based upon actual FY 2010 payroll to an estimated **\$682.3 million for FY 2011**.

Table I-1 Key Results (\$ thousands)								
Valuation Date		7/1/2009		7/1/2008				
Unfunded Actuarial Liability	\$	4,932,932	\$	3,778,657				
Funding Ratio		45.0%		55.0%				
Fiscal Year		2011		2010				
Minimum Municipal Obligation	\$	569,290	\$	447,446 545,641				
City's Funding Policy Contribution	\$	682,335	\$	545,641				

^{*} The City's funding contribution for FY 2010 was updated based upon the actual payroll of \$1,463.3 million (provided as pay rates in the data) as of July 1, 2009, which is used to estimate the beginning of year FY 2010 payroll. In the July 1, 2008 actuarial valuation report, the estimated FY 2010 payroll was \$1,514.8 million based upon July 1, 2008 pay rates, which was used to estimate the FY 2010 funding contribution of \$548.8 million.



SECTION I BOARD SUMMARY

B. Current Financial Condition

On the following pages, we summarize the key results of the July 1, 2009 valuation and how they compare to the results from the July 1, 2008 valuation.

1. <u>City Membership:</u>

As shown in Table I-2 below, total membership in the Retirement System decreased by 0.3% from 2008 to 2009

Table I-2 Membership Total											
July 1, 2009 July 1, 2008 % Change											
Actives		28,632		29,215	-2.0%						
Terminated Vesteds		1,336		1,263	5.8%						
Disabled		4,288		4,349	-1.4%						
Retirees		21,214		20,898	1.5%						
Beneficiaries		8,554		8,510	0.5%						
DROP		1,638		1,648	-0.6%						
Total City Members		65,662		65,883	-0.3%						
Annual Salaries	\$	1,463,259,769	\$	1,456,520,491	0.5%						
Average Salary per Active Member	\$	51,106	\$	49,855	2.5%						
Annual Retirement Allowances	\$	605,992,742	\$	585,670,639	3.5%						
Average Retirement Allowance	\$	17,794	\$	17,350	2.6%						

A significant result is that the active participant population decreased 2.0% during the 2008 - 2009 plan years while the inactive population (excluding the DROP participants) increased 1%. Furthermore, the average salary per active member increased by only 2.5% during the plan year, which is significantly below the assumed 5.0% salary scale. Due to the decrease in the active participant population, the total payroll growth was lower than expected at 0.5% versus the 4% payroll growth assumption. Annual retirement allowances continued to increase by 3.5% this year.



SECTION I BOARD SUMMARY

2. City Assets and Liabilities

Table I-3 presents a comparison between the July 1, 2009 and July 1, 2008 System assets, liabilities, UAL, and funding ratios. The Funding Ratio decreased materially from 55.0% as of July 1, 2008 to **45.0%** as of July 1, 2009 due to the decline in assets and increase in liabilities as a function of the change in the interest assumption from 8.75% to 8.25% effective July 1, 2009.

Table I-3 Assets and Liabilities (\$ thousands)										
July 1, 2009 July 1, 2008 % Change										
Actuarial Liabilities by Membership:										
Actives	\$	3,164,583	\$	2,946,646	7.4%					
Terminated Vesteds		111,107		100,163	10.9%					
Disabled		642,177		610,402	5.2%					
Retirees		3,868,581		3,627,513	6.6%					
Beneficiaries		493,044		460,275	7.1%					
DROP		689,988		652,392	5.8%					
Non-Vested Refunds		5,565	_	4,829	15.3%					
Total Actuarial Liability	\$	8,975,045	\$	8,402,219	6.8%					
Market Value of Assets (net of PAF)*	\$	3,368,427	\$	4,383,545	-23.2%					
Actuarial Value of Assets (net of PAF)*	\$	4,042,113	\$	4,623,562	-12.6%					
Unfunded Actuarial Liability	\$	4,932,932	\$	3,778,657	30.5%					
Funding Ratio		45.0%		55.0%	-10.0%					

* The PAF is available for distribution under title 22-311 of the Philadelphia Code. In general, the PAF provides for enhanced benefit distribution to retirees and beneficiaries through the use of excess earnings. For more details on the PAF, see Section II – E.

The market value of assets (net of the Pension Adjustment Fund (PAF)) decreased by 23.2%. For the actuarial value of assets, the experience gains and losses are smoothed over future years, which yielded an initial increase in the preliminary actuarial value of assets of 1.5%. However, the final actuarial of assets is limited by the 20% corridor around the market value of assets, prohibiting the use of an actuarial asset value that is 20% more or less then the market value, which caused the final actuarial value of assets to decrease by 12.6% over the prior year.



SECTION I BOARD SUMMARY

3. Components of UAL Change between July 1, 2008 and July 1, 2009:

The Retirement System's unfunded actuarial liability increased by \$1,154.2 million, from \$3,778.7 million as of July 1, 2008 to \$4,932.9 million as of July 1, 2009. Table I-4 below presents the specific components of this change in the UAL based upon expected MMO contributions.

The System experienced an \$822.4 million investment loss based upon the actuarial value of assets and a \$10.2 million liability loss. There was also a \$384.4 million liability increase due to the assumption change of decreasing the interest rate from 8.75% to 8.25%. Actual FY 2009 contributions created a \$2.4 million gain when compared to the MMO expected contributions which was offset by a \$4.0 million loss due to the one year deferral of gains and losses under the MMO contribution method.

	Table I-4 Change in Unfunded Actuarial Liability (f) millions)									
	(\$ millions)									
	Experience									
1.	UAL change due to investment (gain)/loss	\$	822.4							
2.	UAL change due to overall liability (gain)/loss		10.2							
	Contributions									
3.	UAL change to difference in benefit accruals, MMO contributions, and timing	\$	(2.4)							
4.	UAL change due to one-year delay in MMO contributions		4.0							
	Assumption Change									
5.	UAL change due to assumption change	\$	384.4							
	Total									
6.	Total net overall change: sum 1 through 5	\$	1,218.6							
7.	Expected change in UAL		(64.4)							
8.	Total unexpected increase/(decrease) in UAL: 6 + 7	\$	1,154.2							

The \$10.2 million liability loss is attributable to the following:

- \$4.3 million demographic gain due to the decreased active population and average pay increasing less than expected.
- \$14.5 million loss due to retirees



SECTION I BOARD SUMMARY

4. <u>Contributions:</u>

The contribution under the City's Funding Policy for Fiscal Year (FY) 2010 was originally estimated to be \$548.8 million based upon estimated FY 2010 payroll. Using updated payroll the FY 2010 contribution is \$545.6. For Fiscal Year 2011, contributions increased by 7.55% of payroll, from 37.29% to 44.84%. In dollar terms, the contributions under the City's Funding Policy increased from \$545.6 million to \$682.3 million, a \$136.7 million increase. The FY 2011 contributions under the City's Funding Policy will be updated next year when the FY 2011 payroll is available. All contributions for the City's Funding Policy are provided as of the beginning of the year.

The Minimum Municipal Obligation for Fiscal Year 2011 measured as of the beginning of the year increased by 7.87% of payroll, from 29.54% to 37.41%. In dollar terms, the required beginning of year contribution increased from \$447.4 million to \$569.3 million, a \$121.9 million increase.

Table I-5 Contributions (\$ thousands)									
Fiscal Year	~	2011	% of Pay		2010	% of Pay			
	City	's Funding P	olicy*						
Estimated FY Payroll	\$	1,521,790		\$	1,463,260	**			
Normal Cost (with Expenses)	\$	149,473	9.82%	\$	130,827	8.94%			
Employee Contributions		(52,840)	3.47%		(49,804)	3.40%			
City Normal Cost	\$	96,633	6.35%	\$	81,023	5.54%			
Amortization Payment		585,702	38.49%		464,619	31.75%			
City's Funding Policy	\$	682,335	44.84%	\$	545,642	37.29%			
Min	imur	n Municipal (Obligation						
Estimated FY Payroll	\$	1,521,790		\$	1,514,781				
Normal Cost (with Expenses)	\$	149,473	9.82%	\$	135,724	8.96%			
Employee Contributions		(52,840)	3.47%		(51,558)	3.40%			
City Normal Cost	\$	96,633	6.35%	\$	84,166	5.56%			
Amortization Payment		472,657	31.06%		363,280	23.98%			
Minimum Municipal Obligation	\$	569,290	37.41%	\$	447,446	29.54%			

In Section IV of this report, we provide more detail on the development of these contributions.

* Assuming beginning-of-year payment.

** FY 2010 payroll for the City's Funding Policy reflects based the July 1, 2009 pay rates and will be finalized when the FY 2010 payroll is available. All other payroll is estimated based upon the prior year's data used for the actuarial valuation.

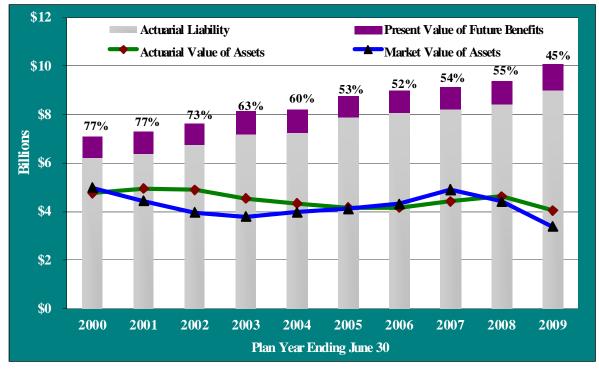


SECTION I BOARD SUMMARY

C. Historical Trends

Although most of the attention given to the valuation reflects the most recently computed unfunded actuarial liability, funding ratio, and contribution amounts, it is important to remember that each valuation is merely a snapshot of the long-term progress of a pension fund. It is equally important to judge a current year's valuation result relative to historical trends, as well as trends expected into the future.

In the chart below, we present the historical trends for the market and actuarial value of assets compared to the actuarial liabilities and present value of future benefits, we also show the progress of the Retirement System's funding ratios (provided above each bar) since 2000.



City of Philadelphia Assets* and Liabilities - 2000 to 2009

* Market value of assets includes the PAF, which is not available for funding purposes.

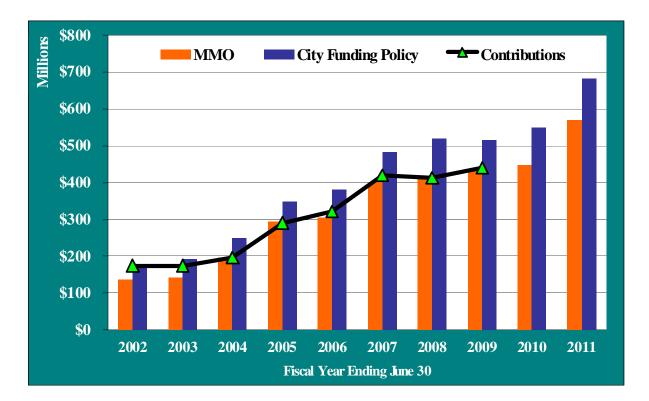
The System's funding ratio has declined significantly since 2000. In 2007 and 2008, the funding ratio increased for the first time since 2000, primarily due to strong asset performance and the delayed asset loss recognition methodology used for the actuarial value of assets. In 2009, the funding ratio declined by 10% due to the investment losses during the year and the change in the actuarial liability interest rate assumption.



SECTION I BOARD SUMMARY

This historic trend emphasizing the funded status has continued to decline increasing the risk of insolvency if contributions coupled with more stable and favorable returns relative to the long term assumption are not realized in the near future.

In this next chart we present historical trends for the Minimum Municipal Obligation (MMO), the contribution under the City's Funding Policy, and the actual contribution made for fiscal years since 2002. Because there is a two-year lag in the determination of the City Funding Policy and MMO requirements, we show the contributions to date and the estimated amounts for fiscal years 2010 and 2011.



City of Philadelphia Contributions for Fiscal Years 2002-2011

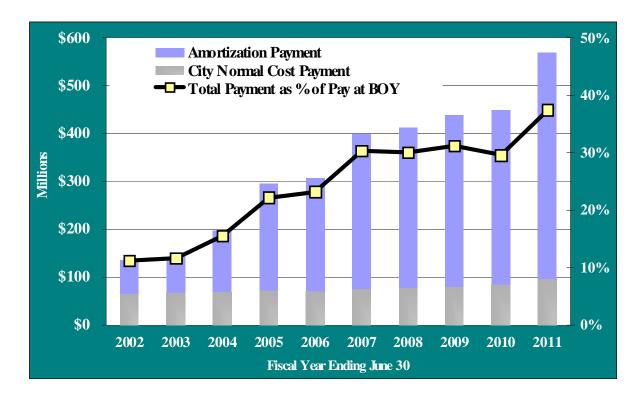
The key trend illustrated in this chart is the rapid escalation in all three measures starting in FY 2004 due in part to investment losses and in part to the City's funding decision. Since 2004 the City began to make contributions based on the MMO rather than the Funding Policy which has resulted in the Funding Policy amounts diverging more from the MMO. This is especially evident for FY 2011 contributions, where the City's Funding Policy contributions increased about \$137 million. In addition, the MMO and City's Funding Policy amounts for FY 2011 increased significantly due to the investment losses and the change in the actuarial liability investment rate assumption. Possible contribution deferrals provided for under Act 44 for FY 2010 are not reflected above.



SECTION I BOARD SUMMARY

The chart below shows historical amortization and City normal cost payments under the MMO. Also shown is the total beginning-of-year payment as a percentage of payroll based on the values in the legend on the right versus the line graph, for example in 2011 the City cost is expected to be just under 40% of payroll.

MMO Contributions by Source for Fiscal Years 2002-2010



The chart illustrates that the City normal cost payment has remained relatively level over the period shown except for FY 2011 where there is a small increase due to the change in the investment rate assumptions. The amortization payment to pay off the unfunded actuarial liability has increased from just under \$100 million for FY 2002 to just under \$500 million for FY 2011. The total payment as a percentage of payroll is now nearly 37%, up from about 11% in FY 2002. Both the amortization payment and the total payment as a percentage of payroll increased from the amount due in FY 2010 to the amount due in FY 2011.



SECTION I BOARD SUMMARY

D. Projected Financial Trends

Our analysis of the City of Philadelphia Municipal Retirement System's projected financial trends is an important part of this valuation. In this section, we present our assessment of the implications of the July 1, 2009 valuation results on the future outlook in terms of benefit security (assets over liabilities) and the City's expected cost progression.

In the charts that follow, we project the Retirement System's assets and liabilities, and the City's contributions as a percent of payroll. Unless otherwise noted we assume the MMO contributions are made each year and the implications to the System with and without the application of the permitted rolling amortization when the funded status reaches 70%. Our illustrations assume the provisions of Act 205 as amended by Act 44 remain in force during the projection period without consideration of the sunset provisions. Possible deferred contributions are not reflected in these projections based on the understanding that the City will be obligated to contribute interest on the outstanding deferrals, making the transaction relatively cost neutral as measured against the actuarial assumption.

The projections are provided on two different asset return assumption bases:

- 1) Assuming 8.25% returns each and every year, and
- 2) Assuming returns shown in the table below. These are rates of return which vary each year but over the projection period equal on average the assumed 8.25% return. We do this because the City's return will never be level from year to year and the System must anticipate the implications of asset return volatility to the funded status and contribution requirements.

Fiscal Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Return	2.5%	7.5%	11.5%	15.5%	13.5%	10.5%	7.5%	5.5%	0.5%	-4.5%
Fiscal Year	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Return	-0.5%	3.5%	6.5%	7.5%	11.5%	15.5%	19.5%	15.5%	11.0%	8.30%

In reviewing each of these projections, it is the future trends versus the actual values that are important to consider in your deliberation of the risks of the System and the potential volatility of future funding ratios and City contribution levels.

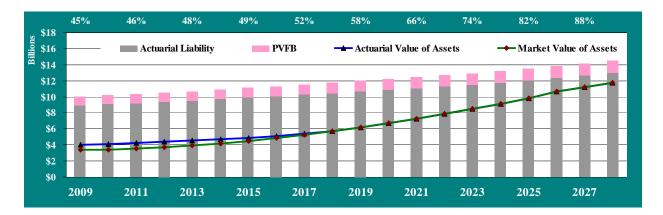


SECTION I BOARD SUMMARY

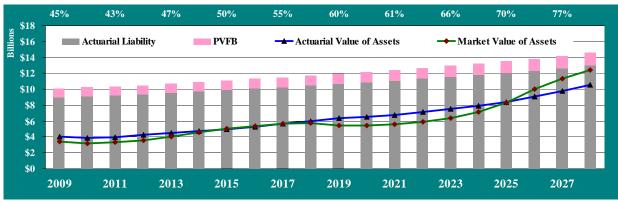
Projection Set 1: Assets* and Liabilities

The two charts below show asset measures (green and blue lines) compared to liabilities (grey and pink bars). At the top of each chart is the progression of the System's funding ratio which compares the actuarial value of assets (green lines) to the actuarial liability (grey bars). The most revealing insight from these two charts is how varying investment returns impact the System's funding ratio. In both projections you can see that we applied the 10 year asset smoothing method adopted by the Board. This has significant influence on the smoothing of assets against market value volatility.

<u>Chart 1: Projection of Assets and Liabilities, 8.25% return each year and</u> <u>City makes contributions based on MMO</u>



<u>Chart 2: Projection of Assets and Liabilities, varying returns averaging 8.25% and</u> <u>City makes contributions based on MMO</u>



* Market value of assets includes the PAF, which is not available for funding purposes.

Chart 2 demonstrates that if the fund can achieve a long-term return rate of 8.25%, the funding ratio can be adversely impacted by volatile returns year by year. This component of funding risk is driven by negative cash flows (where benefit payments and expenses are greater than contributions). When a mature fund pays out more than it receives in a year when returns are

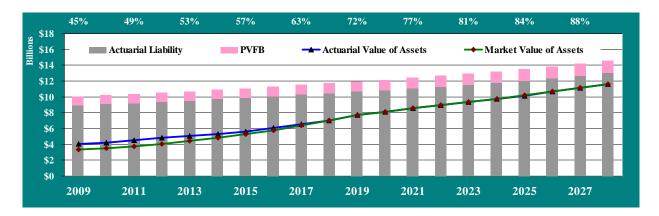
-CHEIRON

SECTION I BOARD SUMMARY

below the assumption, the assets that get paid out are no longer in the fund during subsequent years of market recovery.

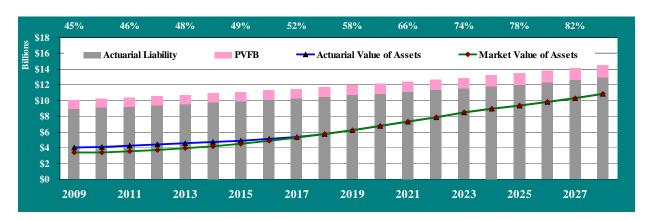
It is also important to consider the fact that as long as the System is significantly underfunded, the financial burden on the City will remain relatively high and the only reason both of these projections show gradual improvement is because the contributions will be adjusted to cover any cost volatility.

<u>Chart 3: Projection of Assets and Liabilities, 8.25% return each year,</u> and the City makes contributions based on the City's Funding Policy



In the above scenario where the City's Funding Policy is contributed every year, the System reaches a funded ratio of 88% at the end of the projection period (similar to the projections on the prior page in Chart 1). Also, prior to 2027 the funding ratio is higher than the ratio achieved each year if the MMO contributions are made, because of the higher assumed contributions.

<u>Chart 4: Projection of Assets and Liabilities, under the MMO, 8.25% return each year, and</u> <u>application of rolling 10 year amortization once the Fund is 70% funded</u>



Under Act 205, which states that if the plan is 70% funded or higher, the City can adopt the policy of annually re-amortizing the unfunded liability over 10 years. Chart 4 is similar to Chart 1, except that once the fund is 70% funded, contributions are made on the basis of 10-year



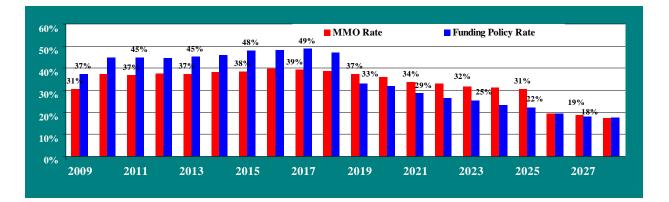
SECTION I BOARD SUMMARY

rolling amortization. The resulting funding ratio at the end of the projection period is lower than if the MMO was contributed for the entire period (82% versus 88%).

Projection Set 2: Projected City Contribution Rate

The chart below shows that the City's composite contribution rate under the MMO which increases slowly until 2017 after which the MMO decreases slightly until 2026 when the initial unfunded is paid off and the contribution rate drops to less than 20% of pay roll. The unfunded actuarial liability is not paid off during this projection period; thus the projected contributions never revert to the normal cost rate. The decrease in 2019 for the City's Funding Policy rate is due to the payment in full of the initial unfunded liability. This projection assumes all actuarial assumptions are met, including the 8.25% anticipated investment return assumption, and the MMO contributions are made each year.

Chart 5: Projection of City Contributions, 8.25% return each year



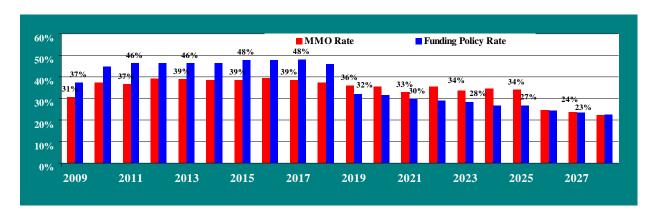


Chart 6: Projection of City Contributions, varying returns averaging 8.25%

As shown above, varying returns have an impact on the computed City contribution rate, especially in the later projection years. However the volatility is mitigated for two reasons, the 10 year smoothing of assets and 20 year amortization of experience gains and losses. This

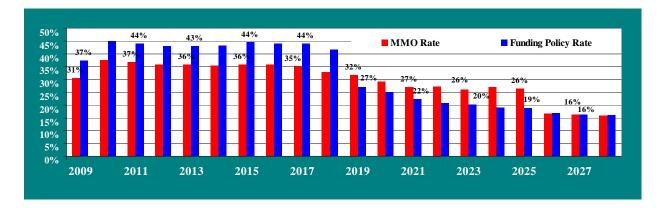


SECTION I BOARD SUMMARY

illustrates that the future contributions should be anticipated to be higher to adjust for the market volatility. Thus, the market volatility can prolong the period of paying down the unfunded when coupled with the impact of negative cash flows in down markets.

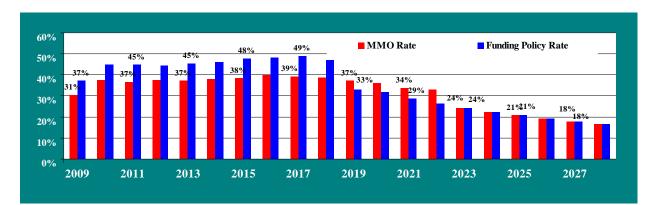
<u>Chart 7: Projection of City Contributions, 8.25% return each year,</u> and the City makes contributions based on the City's Funding Policy

This chart shows the expected future contribution if the City's Funding Policy contributions are made each year. Since larger contributions are assumed to be made each year up front, projected contributions are expected to steadily decline when compared to Chart 5.



<u>Chart 8: Projection of City Contributions, 8.25% return each year,</u> and application of rolling 10-year amortization once the Fund is 70% funded

Chart 8 is similar to Chart 5, except that once the fund is 70% funded contributions are made using a 10-year rolling amortization (as permitted under Act 205). This creates a smoother funding requirement than continued funding using the various amortization bases. The following chart illustrates how this provision could affect the future funding requirements.





SECTION II ASSETS

The Retirement System uses and discloses two different asset measurements which are presented in this Section of the report: market value and actuarial value of assets. The market value represents the value of the assets if they were liquidated on the valuation date and, unless explicitly stated otherwise, this value includes the PAF which is not available for funding purposes. The actuarial value of assets is a value that smoothes annual investment returns over multiple years to reduce annual investment volatility, and is used in determining contribution levels. By definition, the actuarial value of assets does not include the PAF.

On the following pages we present detailed information on System assets:

- Disclosure of assets at July 1, 2008 and July 1, 2009,
- Statement of cash flows during the year,
- Development of the actuarial value of assets,
- Apportionment of assets between plans for valuation purposes,
- Development of the Pension Adjustment Fund as of July 1, 2009, and
- Disclosure of investment performance for the year.



SECTION II ASSETS

A. Disclosure

The market value of assets represents a "snap-shot" value as of the last day of the fiscal year that provides the principal basis for measuring financial performance from one year to the next. Market values, however, can fluctuate widely with corresponding swings in the marketplace. Because these fluctuations would cause volatility in employer contributions, an actuarial value of assets is developed. Table II-1 below discloses the market value by asset class as of July 1, 2008 and July 1, 2009. Table II-2 discloses the System's net cash flows for the plan year beginning July 1, 2008 and ending June 30, 2009. Table II-3 discloses Fiscal 2009 City contributions.

Table II-1 Statement of Assets at Market Value*									
7/1/2009 7/1/2008									
<u>Assets</u>									
Cash	\$	33,500,864	\$	24,069,063					
Investments		3,375,757,790		4,458,339,485					
Securities Lending		420,344,216		776,255,428					
Accounts Receivable		5,126,834		4,456,969					
Due from Brokers		732,359,181		93,212,478					
Interest and Dividends Receivable		8,133,823		8,573,166					
Due from Other Governmental Units		4,756,950		4,797,893					
Total Assets	\$	4,579,979,658	\$	5,369,704,482					
<u>Liabilities</u>									
Vouchers Payable	\$	20,182	\$	288,683					
Accounts Payable		3,084,833		3,492,879					
Salaries and Wages Payable		152,111		118,394					
Due on Securities Lending		420,344,216		776,255,428					
Due to Brokers		754,826,242		161,302,676					
Accrued Expenses		1,621,250		974,220					
Deferred Revenue		2,644,542		2,475,207					
Monies Held in Escrow		372,708		377,392					
Allowance for Unrealized Loss		20,581,763		-					
Other Liabilities		564,735		344,256					
Total Liabilities	\$	1,204,212,582	\$	945,629,135					
Net Assets	\$	3,375,767,076	\$	4,424,075,347					

* Includes the PAF which is not available for funding purposes.



SECTION II ASSETS

B.	System	Cash	Flows	for the	Year	July 1.	2008 th	rough J	uly 1, 2009
	D'y Stelli	Cubh		IOI UIIC	/ I Cul	July 19		n vugn u	ury 1, 2007

Table II-2 Changes in Market Values*								
Value of Assets – July 1, 2008		\$	4,424,075,347					
A 3 34/2								
Additions								
Contributions:	* • • • • • • • • • •							
Employer Contributions	\$ 455,389,006							
Employee Contributions	54,022,578	•						
Total Contributions		\$	509,411,584					
Investment Income:								
Gain/(Loss) from Sale of Investments	\$ (912,254,505)							
Interest and Dividends	75,635,329							
Total Investment Income	\$ (836,619,176)							
Investment Activity Expenses:								
Investment Expenses	\$ (12,758,521)							
Total Investment Activity Expenses	\$ (12,758,521) \$ (12,758,521)							
Fotal investment retivity Expenses	Ψ (12,750,521)							
Securities Lending Activities:								
Securities Lending Income	\$ 12,342,274							
Securities Lending Expenses	(27,244,638)							
Net Income from Securities Lending Activities	\$ (14,902,364)							
Miscellaneous Operating Revenues	\$ 1,014,880							
Net Investment Income		\$	(863,265,181)					
Total Additions		\$	(353,853,597)					
Deductions								
Administrative Expenses	\$ (8,581,800)							
Withdrawal Refunds	(4,786,213)							
Benefit Payments	(655,973,491)							
PAF Distributions	(25,113,170)							
Total Deductions	<u>`</u>	<u></u>	(694,454,674)					
<u>Total</u>								
Net Increase (Decrease)		\$	(1,048,308,271)					
Value of Assets – July 1, 2009		\$	3,375,767,076					

* Includes the PAF which is not available for funding purposes.



SECTION II ASSETS

Table II-3								
City Contributions for the Plan Year Ending June 30, 2009								
Cash Received, November 28, 2008	\$	440,003,000						
Quasi-Agencies								
Cash Received		15,386,006						
Accrued as of June 30, 2009		-						
Total	\$	455,389,006						



SECTION II ASSETS

C. Actuarial Value of Assets

To determine on-going funding requirements, most pension funds utilize an actuarial value of assets that differs from the market value of assets. The actuarial value of assets represents an asset value based on averaging or smoothing year-to-year market value returns for purposes of reducing contribution volatility. Beginning with investment losses as of Fiscal Year End 2009, gains and losses are prospectively amortized over a ten-year period.

Table II-4 Development of Actuarial Value of Assets as of July 1, 2009										
1. Market Va	. Market Value of Assets as of July 1, 2009									
2. Pension A	0									
Before Ad	ditional 7	Transfers			\$	7,339,818				
3. Market Va	lue of As	ssets Net of Origina	al PAF*		\$	3,368,427,258				
4. Deferred A	4. Deferred Asset Gains/(Losses)									
Plan		Investment	Percent	Percent		Amount				
<u>Year</u>	Ga	ins / (Losses)	Recognized	Deferred		<u>Deferred</u>				
2004	\$	30,013,180	100%	0%	\$	-				
2005		99,429,256	80%	20%		19,885,851				
2006		380,531,307	60%	40%		152,212,523				
2007		(642,637,544)	40%	60%		(385,582,527)				
2008		(1,235,073,412)	10%	90%		(1,111,566,071)				
Total					\$	(1,325,050,224)				
5. Preliminar	y Actuari	al Value as of July	1, 2009 (5 = 3 - 4	4)	\$	4,693,477,482				
6. Corridor fo	or Actuar	ial Value								
a. 80% of 1	Market V	alue Net of PAF			\$	2,694,741,806				
b. 120% of	f Market	Value Net of PAF			\$	4,042,112,710				
7. Additional	PAF Tra	\$	-							
8. Actuarial $\sqrt{8}$		\$	4,042,112,710							
		2) the max of 6a a ket Value Net of F				120.0%				
9. Market Va	alue of A	ssets Net of Final I	PAF		\$	3,368,427,258				

* Market value of assets net of original PAF before the determination of the final PAF amount. See Section II – E for more details on the development of the total PAF and the additional PAF transfer, if applicable.



SECTION II ASSETS

D. Apportionment of Actuarial Value of Assets

The asset apportionment reflects the actual cash flows for each plan and proportional allocation of investment earnings.

Alloca	tion of Asset	s for Valua	-	oses Bet	ween Pla	ns a	as of July	y 1,	, 2009		
		10 (E D)	(\$ thous	ands)			100	ы			
	Municipal	1967 Plan	Fire		(1987	Pla	an Police	Fire	Tatal
	Municipal	Police	Fire	ľ	Municipal	1	Elected		Police	rire	Total
1. Actuarial Value of Assets											
as of July 1, 2008	\$ 2,077,364	\$ 892,188	\$ 398,8	1 \$	577,444	\$	13,412	\$	529,883	\$ 134,380	\$4,623,562
 Transactions During Plan Year July 1, 2008 to June 30, 2009 											
a. Contributions											
City and Commonwealth	\$ 201,529	\$ 124,100	\$ 44,5	3 \$,	\$	379	\$	25,992	\$ 7,810	\$ 440,003
Employees	11,076	4,745	2,1	3	14,130		152		16,666	5,100	54,022
Quasi-Public Agencies	15,386	-		-	-		-		-	-	15,386
b. Benefit Payments	(365,768)	(193,795)	(83,6	5)	(4,613)		(1,204)		(5,547)	(1,432)	(655,973
c. Withdrawals	(938)				(1,654)		-		(1,113)	(236)	(4,786
d. Administrative Expenses	(3,505)	(1,423)	(5	6)	(2,162)		(5)		(751)	 (229)	(8,582
e. Net Transactions	\$ (142,220)	\$ (66,746)	\$ (37,8	\$7) \$	41,341	\$	(678)	\$	35,247	\$ 11,013	\$ (159,930
3. Total Fund Balance Prior to Allocation											
of Investment Income [1. + 2e.]	\$1,935,144	\$ 825,442	\$ 361,0	4 \$	618,785	\$	12,734	\$	565,130	\$ 145,393	\$4,463,632
 Investment Income During Plan Year July 1, 2008 to June 30, 2009 	\$ 99,646	\$ 42,504	\$ 18,5	9\$	31,863	\$	656	\$	29,100	\$ 7,487	\$ 229,845
 Preliminary Actuarial Value of Assets as of July 1, 2009 [3. + 4.] 	\$ 2,034,790	\$ 867,946	\$ 379,5	3\$	650,648	\$	13,390	\$	594,230	\$ 152,880	\$ 4,693,477
 Final Actuarial Value of Assets With Corridor as of July 1, 2009 	\$ 1,752,401	\$ 747,491	\$ 326,9	2 \$	560,351	\$	11,532	\$	511,764	\$ 131,662	\$ 4,042,113



SECTION II ASSETS

E. Development of the Pension Adjustment Fund as of July 1, 2009

The table below provides the funds available for distribution consideration under title §22-311 of the Philadelphia Code. In general, the Pension Adjustment Fund (PAF) provides for enhanced benefit distributions to retirees and beneficiaries through the use of excess earnings. This may include a lump-sum bonus payment, monthly pension increases, ad-hoc cost of living adjustments, or some other increase determined by the Board.

	Table II-6 Development of the Pension Adjustmer as of July 1, 2009	nt Fund	
1.	PAF on July 1, 2008	\$	40,530,613
2.	PAF Distribution	\$	(25,113,170)
3.	Market Value Asset Return Through June 30, 2009 *		-19.93%
4.	PAF on July 1, 2009 Before Additional Transfers** =(1) x $[1 + (3)] + (2)$	\$	7,339,818
5.	Preliminary Actuarial Asset Value Through June 30, 2009	\$	4,693,477,482
6.	Actuarial Asset Value Return Through June 30, 2009 ***		5.06%
7.	Return in Excess of Investment Assumption Plus 1.0%, Limited to 5.0% =(6) - [8.75% + 1.00%]		0.00%
8.	Additional Transfer as of July 1, 2009 =50% of (7) x (5)	\$	-
9.	Total PAF as of July 1, 2009 = (4) + (8)	\$	7,339,818

Market Value Asset Return including the PAF

^{**} Calculations are based upon the unrounded percents for items (3) and (7)

**** Asset return based upon the Preliminary actuarial asset value which reflects the 10 year smoothing of gains/losses prospectively as of July 1, 2009. Fund Counsel reviewing the Philadelphia code for this change.



SECTION II ASSETS

F. Investment Performance

The market value of assets internal rate of return (net of PAF) was -19.9% for the year ending June 30, 2009. This is compared to an assumed return of 8.75%. The return for the year ending June 30, 2008 was -4.5%.

On an actuarial value of assets basis (net of PAF), the return for FY 2009 was -9.3%. This return produced an overall investment loss of \$822.4 million for the year ending June 30, 2009. Last year the actuarial value basis returned 10.1%.

		Table II-7 Annual Rates of F	Return	
Vers Falling Level 20	₩ ₩		Total Return Standard	Barclays
Year Ending June 30,	Market Value *	Actuarial Value *	& Poor's 500 Index	Aggregate Bond Index**
1994	1.6%	7.8%	1.3%	-1.5%
1995	11.7%	7.8%	26.1%	12.8%
1996	15.1%	10.1%	26.0%	4.7%
1997	18.3%	12.2%	34.6%	8.2%
1998	14.3%	13.1%	30.2%	10.5%
1999	10.0%	13.1%	22.7%	3.1%
2000	9.6%	11.1%	7.3%	4.6%
2001	-6.0%	8.3%	-14.8%	11.2%
2002	-5.8%	3.4%	-18.0%	8.6%
2003	1.8%	-2.2%	0.3%	10.4%
2004	16.6%	4.6%	19.1%	0.3%
2005	9.9%	1.8%	6.3%	6.8%
2006	11.3%	6.1%	8.6%	-0.8%
2007	17.0%	10.7%	20.6%	6.1%
2008	-4.5%	10.1%	-13.1%	7.1%
2009	-19.9%	-9.3%	-26.2%	6.0%

* Net of PAF

** Formerly Lehman Brothers Aggregate Bond Index



SECTION II ASSETS

G. Asset Gain/(Loss)

There was a \$1,235.1 million investment loss on market value of assets when compared to the expected as of July 1, 2009. Table II-8 reconciles the 2009 asset loss (expected versus actual) for the market value of assets both net of the PAF and in total. This investment loss is smoothed over a ten-year period to determine the actuarial value of assets (see Table II – 4). Also provided below is a reconciliation of the PAF. There was no PAF transfer amount as of July 1, 2009.

	Table II-8	// -	
Calcula	ation of Asset Gain Market Value	/(Loss)	Total Market
	(Net of PAF)	PAF	Value
1. Market Value of Assets			
as of July 1, 2008	\$ 4,383,544,734	\$ 40,530,613	\$ 4,424,075,347
2. Transactions During Plan Year			
July 1, 2008 to June 30, 2009			
a. Contributions			
City and Commonwealth	\$ 440,003,000	\$ -	\$ 440,003,000
Employees	54,022,578	-	54,022,578
Quasi-Public Agencies	15,386,006	-	15,386,006
b. Benefit Payments	(655,973,491)	(25,113,170)	¹ (681,086,661)
c. Withdrawals	(4,786,213)	-	(4,786,213)
d. Administrative Expenses	(8,581,800)		(8,581,800)
e. Net Transactions	\$ (159,929,920)	\$ (25,113,170)	\$ (185,043,090)
3. Expected Investment Income From			
July 1, 2008 to June 30, 2009	\$ 379,885,856	\$ (8,077,625)	² \$ 371,808,231
4. PAF transfer at July 1, 2009	\$ -	\$-	\$-
5. Expected Market Value of Assets as of July 1, 2009 [1. + 2.e. + 3. + 4]	\$ 4,603,500,670	\$ 7,339,818	\$ 4,610,840,488
6. Market Value of Assets as of July 1, 2009	\$ 3,368,427,258	\$ 7,339,818	\$ 3,375,767,076
7. Investment Gain/(Loss) [6 5.]	\$ (1,235,073,412)	\$ -	\$ (1,235,073,412)

¹ This is the amount of distributions made out of the Pensions Adjustment Fund during the Plan Year

² The PAF is credited with investment income at the market rate of return earned by plan assets



SECTION III LIABILITIES

In this section, we present detailed information on liabilities for the City of Philadelphia Municipal Retirement System, including:

- Disclosure of liabilities at July 1, 2008 and July 1, 2009
- Statement of changes in these liabilities and the unfunded liabilities during the year
- Development of the normal cost rates by plan, and
- The reconciliation of the changes in the unfunded liability by plan as well as the expected unfunded liability as of July 1, 2010.

Disclosure

Two types of liabilities are calculated and presented in this report. Each type is distinguished by the purpose for which the figures are ultimately used.

- **Present Value of all Future Benefits:** Used for measuring all future obligations, this represents the amount of money needed today to fully pay off all benefits both earned as of the valuation date and those to be earned in the future by current Plan participants, under the current Plan provisions and assumptions.
- Actuarial Liability: Used for determining employer contributions and GASB accounting disclosures. This liability is calculated by subtracting the present value of future member contributions and future employer normal cost contributions as determined under the Entry Age Normal Cost (EAN) actuarial funding method from the present value of all future benefits.



SECTION III LIABILITIES

Table III-1 shows the present value of future benefits, actuarial liability, and unfunded actuarial liability as of July 1, 2009, and July 1, 2008, for the Retirement System.

Table		—	
Disclosure of			
(\$ thous	an		
		July 1, 2009	July 1, 2008
Present Value of Future Benefits			
Actives	\$	4,254,849	\$ 3,910,611
Terminated Vesteds		111,107	100,163
Disabled		642,177	610,402
Retirees		3,868,581	3,627,513
Beneficiaries		493,044	460,275
DROP		689,988	652,392
Non-Vested Refunds		5,565	 4,829
Total City PVFB	\$	10,065,311	\$ 9,366,185
Market Value of Assets		(3,375,767)	(4,424,075)
Present Value Future Member Contrib.	_	(362,000)	 (352,278)
City's Unfunded Future Obligation	\$	6,327,544	\$ 4,589,831
Actuarial Liability			
Actives	\$	3,164,583	\$ 2,946,645
Terminated Vesteds		111,107	100,163
Disabled		642,177	610,402
Retirees		3,868,581	3,627,513
Beneficiaries		493,044	460,275
DROP		689,988	652,392
Non-Vested Refunds		5,565	4,829
Total City AL	\$	8,975,045	\$ 8,402,219
Actuarial Value of Assets		(4,042,113)	(4,623,562)
Unfunded Actuarial Liability	\$	4,932,932	\$ 3,778,657



SECTION III LIABILITIES

Table III-2 shows the present value of future benefits, actuarial liability, and unfunded actuarial liability for each Plan in the Retirement System.

						Table II			0							
				Liabili	ities	s Detail as			9							
				10 67 Diam		(\$ thousar	ids)			1007	ы.					
	_	Aunicipal		1967 Plan Police		Fire	N	/Iunicipal		1987 Elected	Pla	n Police		Fire		Total
Present Value of Future Benefits	Γ	Tumerpar		ronce		гпе		Tunicipai		Laecteu		ronce		гпе		10181
Actives	\$	1,299,125	\$	458,173	\$	179,259	\$	971,777	\$	9,204	\$	1,038,880	\$	298,432	\$	4,254,849
Terminated Vesteds	Ψ	74,008	Ψ	144	Ψ	117	Ψ	26,428	Ψ	- ,201	Ψ	8,067	Ψ	2,460	Ψ	111,107
Disabled		234,638		244,349		62,401		23,084		-		64,363		13,341		642,177
Retirees		2,088,496		1,201,761		496,301		61,310		4,204		11,695		4,813		3,868,581
Beneficiaries		281,579		138,779		53,595		8,285		465		7,430		2,912		493,044
DROP		442,290		112,111		96,044		21,391		8,177		5,914		4,060		689,988
Non-Vested Refunds		1,786		161		54		2,938		9		515		103		5,565
Total PVFB	\$	4,421,922	\$	2,155,478	\$	887,654	\$	1,115,213	\$	22,059	\$	1,136,864	\$	326,121	\$	10,065,311
Actuarial Liability																
Actives	\$	1,148,690	\$	399,695	\$	157,983	\$	658,206	\$	8,034	\$	623,310	\$	168,666	\$	3,164,583
Terminated Vesteds		74,008		144		-		26,428		-		8,067		2,460		111,107
Disabled		234,638		244,349		62,401		23,084		-		64,363		13,341		642,177
Retirees		2,088,496		1,201,761		496,301		61,310		4,204		11,695		4,813		3,868,581
Beneficiaries		281,579		138,779		53,595		8,285		465		7,430		2,912		493,044
DROP		442,290		112,111		96,044		21,391		8,177		5,914		4,060		689,988
Non-Vested Refunds		1,786		161		54		2,938		9		515		103		5,565
Total AL	\$	4,271,487	\$	2,097,000	\$	866,378	\$	801,642	\$	20,889	\$	721,294	\$	196,355	\$	8,975,045
Actuarial Value of Assets		(1,752,401)		(747,491)		(326,912)		(560,351)		(11,532)		(511,764)		(131,662)	_	(4,042,113)
Unfunded Actuarial Liability	\$	2,519,086	\$	1,349,509	\$	539,466	\$	241,291	\$	9,357	\$	209,530	\$	64,693	\$	4,932,932
Funding %		41%		36%		38%		70%		55%		71%		67%		45%



SECTION III LIABILITIES

Table III-3 shows the derivation of the City normal cost as a percent of pay for each Plan in the System.

					Fable III								
	Deriv	vati	ion of the				as of Jul	y 1	, 2009				
				(\$	thousan	ds)							
		1	967 Plan						1987				
	lunicipal		Police		Fire	-	lunicipal		Elected	Police	Fire		Total
Retirement	\$ 15,515	\$	9,214	\$	3,630	\$	23,653	\$	111	\$ 32,720	\$ 10,583	\$	95,426
Death	934		377		163		2,092		13	1,361	465		5,405
Disability	2,159		775		281		4,757		17	3,430	959		12,377
Termination	5,396		753		275		12,517		92	2,753	730		22,517
Administrative Expenses	 3,212		1,311		463		2,063		5	 730	 216		8,000
Total Normal Cost	27,217		12,429		4,812		45,082		237	40,993	12,953		143,724
Expected Employee Contributions	\$ 9,729	\$	4,302	\$	1,677	\$	13,552	\$	145	\$ 16,535	\$ 4,868	\$	50,808
City Normal Cost	\$ 17,488	\$	8,127	\$	3,135	\$	31,530	\$	92	\$ 24,458	\$ 8,085	\$	92,915
Current Annual Payroll	\$ 259,441	\$	71,698	\$	27,953	\$	674,228	\$	1,892	\$ 330,694	\$ 97,353	\$1	,463,260
City Normal Cost as % of Pay, Beginning of Year Payment	6.741%		11.336%		11.215%		4.676%		4.862%	7.396%	8.305%		6.350%
City Normal Cost as % of Pay, End of Year Payment	7.297%		12.271%		12.141%		5.062%		5.263%	8.006%	8.990%		6.874%

SECTION III LIABILITIES

Table III-4 shows changes in the unfunded actuarial liability from July 1, 2008 to July 1, 2009 due to actuarial experience and the interest rate assumption change; there were no plan changes. It also shows the development of the expected unfunded actuarial liability from July 1, 2009 to July 1, 2010 based upon the City's Funding Policy, which is used to develop the end of year amortization amounts for the City's Funding Policy in Table IV – 10 and in Appendix D. The actuarial experience of each of the plans is calculated based on the plans' actual asset and liability values compared to the expected values.

		.			le III-4	~1				• • • •			
Expecte	d Ur	nfunded Ac	tuarial Lia		•	Plan	Year En	din	g June 30,	201	10		
				\$ the	ousands)				1007	ы			
	-	Aunicipal	1967 Plan Police		Fire	N	Iunicipal		1987 Elected	Pla	n Police	Fire	Total
1. Expected Unfunded Actuarial Liability		numerpar	ronce		гпе	10	iuiiicipai		Liecteu		ronce	гпе	100
(UAL) as of July 1, 2009 Based on													
July 1, 2008 Valuation	\$	1,969,874	\$1,079,629	\$	423,616	\$	87,946	\$	4,371	\$	50,026	\$ 20,189	\$3,635,652
2. Changes in UAL due to													
a. Actuarial Experience	\$	385,427	\$ 194,806	\$	85,935	\$	98,213	\$	4,269	\$	112,331	\$ 31,859	\$ 912,840
b. Assumption Changes		163,785	75,074		29,915		55,132		717		47,173	12,645	384,442
c. Active Plan Changes		-	-		-		-		-		-	-	-
d. Inactive Plan Changes		-			-		-		-		-	 -	
e. Subtotal	\$	549,212	\$ 269,880	\$	115,850	\$	153,345	\$	4,986	\$	159,504	\$ 44,504	\$1,297,281
3. Actual UAL as of July 1, 2009 [1. + 2e.]	\$	2,519,086	\$1,349,509	\$	539,466	\$	241,291	\$	9,357	\$	209,530	\$ 64,693	\$4,932,932
4. Expected Changes in UAL from July 1, 2009 to July 1, 2010 due to													
a. Interest on Changes in UAL	\$	45,310	\$ 22,265	\$	9,558	\$	12,651	\$	411	\$	13,159	\$ 3,672	\$ 107,026
b. FY 2010 Amortization Contribution		(104,177)	(66,491)		(21,154)		(1,309)		(121)		119	8	(193,125)
c. Subtotal	\$	(58,867)	\$ (44,225)	\$	(11,597)	\$	11,342	\$	291	\$	13,278	\$ 3,680	\$ (86,099)
5. Expected UAL as of July 1, 2010 [3. + 4c.]	\$	2,460,219	\$1,305,284	\$	527,869	\$	252,633	\$	9,648	\$	222,808	\$ 68,373	\$4,846,833



SECTION IV CONTRIBUTIONS AND MINIMUM MUNICIPAL OBLIGATION

In the process of evaluating the financial condition of any pension plan, the actuary analyzes the assets and liabilities to determine what level (if any) of contribution is needed based upon the funding method of the plan. For an actuarial funding method to be effective it should result in a pattern of contributions that is both stable and predictable.

The actuarial funding method is the Entry Age Normal (EAN) cost method used to determine the normal cost and the unfunded actuarial liability. The normal cost is based upon the normal cost rate determined by taking the value, as of entry age into the plan, of each member's projected future benefits. This value is then divided by the value, also at entry age, of each member's expected future salary producing a normal cost rate that should remain relatively constant over a participant's career. The normal cost rate is multiplied by current salary to determine each member's normal cost. Finally, the normal cost is reduced by the member contribution to produce the employer normal cost. The unfunded actuarial liability is the difference between the EAN actuarial liability and the actuarial value of assets.

Within this section of the report two contribution amounts are determined based upon two different sets of rules for determining the way the unfunded actuarial liability is funded.

The first method is defined in accordance with Act 205 and defines the Minimum Municipal Obligation (MMO), which is the City's minimum required contribution under Pennsylvania state law. The second method is in accordance with the City's Funding Policy which predates the Act 205 rules and calls for contributions that are greater then the MMO until the initial unfunded liability determined in 1984 is fully funded. Under both funding methods there are two components: the normal cost and the amortized unfunded actuarial liability. The amortized unfunded actuarial liability is the amount of the unfunded actuarial liability that is paid each year based upon the amortization periods. The amortization periods are different under the MMO and the City's Funding Policy, which is outlined in more detail in Appendix B Section B.

In addition, the MMO excluding the Pension Obligation Bond (POB) is also provided in this section, as required for reporting purposes under ACT 205.



SECTION IV CONTRIBUTIONS AND MINIMUM MUNICIPAL OBLIGATION

In Table IV-1 we provide the employee contribution rates as a percent of pay effective for the plan year starting July 1, 2010. Table IV-2 shows the quasi-agency funding rates as a percent of payroll.

		Table IV-1												
	Employe	e Contribution	Rates											
for the Plan Year Beginning July 1, 2010														
	Municipal*	Elected	Police	Fire										
1967 Plan	3.75%	N/A	6.00%	6.00%										
Plan 87	2.01%	7.68%	5.00%	5.00%										

* For Municipal 1967 plan, employee contributions are 6% for pay in excess of the social security wage base

This table isolates the City Funding Policy requirements for the Quasi Agencies that participate in the System based upon rates used to determine the 1967 Municipal cost.

Table IV-2													
Quasi Agency Funding Rate as a Percent of Payroll													
Valuation Date	July 1, 2009	July 1, 2008											
Fiscal Year	2011	2010											
1. Normal Cost Rate	7.297%	6.135%											
2. Amortization Rate under the City's Funding Policy	<u>125.124%</u>	<u>93.492%</u>											
3. Total Year-End Rate [1. + 2.]	132.421%	99.627%											
4. Adjusted for Quarterly Payments [3. x 0.96877]	128.285%	96.516%											



SECTION IV CONTRIBUTIONS AND MINIMUM MUNICIPAL OBLIGATION

Table IV-3 below shows the development of the FY 2011 Minimum Municipal Obligation (MMO) for each division. Table IV-4 on the following page shows a schedule of amortization payments toward the MMO based upon the MMO amortization periods and the new interest rate.

Development of the M	inimum I	Table IV Municip \$ thousa	al (U	or I	Fiscal Year	· 20	11						
Non-Uniformed Police Fire Total														
Estimated FY 2010-2011 Payroll	\$	972,984	\$	418,488	\$	130,318	\$	1,521,790						
Normal Cost %		7.189%		12.769%		13.635%		9.275%						
Normal Cost	\$	69,947	\$	53,438	\$	17,768	\$	141,153						
Amortization Payment		263,206		154,975		54,476		472,657						
Administrative Expenses		5,491		2,122		707		8,320						
Subtotal	\$	338,644	\$	210,535	\$	72,951	\$	622,130						
Expected Employee Contributions		(24,363)		(21,670)		(6,807)		(52,840)						
Minimum Municipal Obligation	\$	314,281	\$	188,865	\$	66,144	\$	569,290						



SECTION IV CONTRIBUTIONS AND MINIMUM MUNICIPAL OBLIGATION

				τ	J nfunde d	l Li:	ability Pa	Table yments towa (\$ thou	ard	the MM() fo	or Fiscal Y	7ear 2011					
Type of Base		7/1/2009 Balance	Municipal Remaining Years		FY 2011 Payment		7/1/2009 Balance	Police Remaining Years		TY 2011 ayment		7/1/2009 Balance	Fire Remaining Years		FY 2011 Payment		7/1/2009 Balance	Total Remaining Years
Original July 1, 1985 Unfunded Liability	\$	939,772	16	\$	77,980	\$	603,286	16	\$	50,059	\$	240,580	16	\$	19,963	\$	1,783,638	16
July 1, 1993																		
Active Plan Change	\$	(143)	1	\$	(143)		(95)	1	\$	(95)	\$	-	-	\$	-	\$	(237)	1
Assumption Change		(1,404)	1		(1,404)		11	1		11		(261)	1		(261)	\$	(1,654)	1
Subtotal	\$	(1,546)		\$	(1,546)	\$	(84)		\$	(84)	\$	(261)		\$	(261)	\$	(1,891)	
July 1, 1995																		
Experience (Gain)/Loss	\$	930	1	\$	930	\$	62	1	\$	62	\$	(403)	1	\$	(403)	\$	589	1
Active Plan Change	Ŷ	232	6	Ŷ	47	Ŷ	-	-	Ψ	-	Ŷ	-	-	Ψ	- (100)	\$	232	6
Subtotal	\$	1,162		\$	976	\$	62		\$	62	\$	(403)		\$	(403)	· ·	821	
July 1, 1996																		
Experience (Gain)/Loss	\$	1,236	2	\$	642	\$	606	2	\$	315	\$	(527)	2	\$	(274)	¢	1.315	2
•	φ	1,230	2	ψ	042	φ	000	2	ψ	515	Ψ	(527)	2	ψ	(274)	Ψ	1,515	2
July 1, 1997																		
Experience (Gain)/Loss	\$	(18,495)	3	\$	(6,660)	\$	(7,099)	3	\$	(2,556)	\$	(4,745)	3	\$	(1,709)		(30,339)	3
Assumption Change		29,680	8	-	4,816	—	3,632	8		589		1,530	8		248	<u>\$</u>	34,841	8
Subtotal	\$	11,184		\$	(1,843)	\$	(3,466)		\$	(1,967)	\$	(3,216)		\$	(1,460)	\$	4,502	
July 1, 1998																		
Experience (Gain)/Loss	\$	(6,705)	4	\$	(1,880)	\$	(5,473)	4	\$	(1,535)	\$	(4,919)	4	\$	(1,380)	\$	(17,097)	4
July 1, 1999																		
Experience (Gain)/Loss	\$	(65,845)	5	\$	(15,335)	\$	484	5	\$	113	\$	(23,902)	5	\$	(5,567)	\$	(89,262)	5
Active Plan Change	Ť	10,538	10	Ŧ	1,467	Ť	-	-	-	-	Ŧ	(,, , ,)	-	Ŧ	-	\$	10,538	10
Subtotal	\$	(55,307)		\$	(13,868)	\$	484		\$	113	\$	(23,902)		\$	(5,567)	<u> </u>	(78,725)	
July 1, 2000																		
Experience (Gain)/Loss	\$	(14,868)	6	\$	(2,994)	¢	20,679	6	\$	4,164	¢	423	6	\$	85	¢	6,234	6
Experience (Gain)/Loss	Φ	(14,008)	U	¢	(2,994)	Ŷ	20,079	U	Φ	4,104	Ф	423	U	¢	65	¢	0,234	U

SECTION IV CONTRIBUTIONS AND MINIMUM MUNICIPAL OBLIGATION

			Table IV-4 Unfunded Liability Payments toward the MMO for Fiscal Year 2011 (continued) (\$ thousands)															
Type of Base	7/1/2009 Balance		Municipal Remaining Years	FY 2011 Payment		7/1/2009 Balance		Police Remaining Years	FY 2011 Payment			7/1/2009 Balance	Fire Remaining Years	FY 2011 Pavment		7/1/2009 Balance		Total Remaining Years
July 1, 2001																		
Experience (Gain)/Loss	\$	(12,176)	7	\$	(2,179)	\$	(14,581)	7	\$	(2,609)	\$		7	\$	1,304	\$	(19,472)	7
Assumption Change		(3,225)	12		(400)	_	(1,839)	12		(228)	_	(4,183)	12		(519)	\$	(9,247)	12
Subtotal	\$	(15,401)		\$	(2,579)	\$	(16,420)		\$	(2,838)	\$	3,103		\$	784	\$	(28,718)	
July 1, 2002																		
Asset (Gain)/Loss	\$	18,845	24	\$	1,688	\$	10,047	24	\$	900	\$	4,282	24	\$	384	\$	33,174	24
Liability (Gain)/Loss		104,264	8		16,920		69,308	8		11,247	_	19,386	8		3,146	\$	192,959	8
Assumption Change	\$	12,925	13	\$	1,531	\$	8,570	13	\$	1,015	\$	6,746	13	\$	799	\$	28,241	13
Subtotal	\$	136,034		\$	20,140	\$	87,925		\$	13,163	\$	30,414		\$	4,329	\$	254,373	
July 1, 2003																		
Asset (Gain)/Loss	\$	322,038	24	\$	28,847	\$	169,937	24	\$	15,222	\$	73,053	24	\$	6,544	\$	565,029	24
Liability (Gain)/Loss	Ŧ	59,828	9	Ŧ	8,940	Ť	8,556	9	Ŧ	1,278	Ŧ	6,365	9	Ŧ	951	\$	74,750	9
Active Plan Change		-	-		-		20,082	14		2,283		8,031	14		913	\$	28,113	14
Inactive Plan Change		-	-		-	_	17,627	4		4,944	_	5,270	4		1,478	<u>\$</u>	22,897	4
Subtotal	\$	381,866		\$	37,786	\$	216,203		\$	23,728	\$	92,720		\$	9,886	\$	690,789	
July 1, 2004																		
Experience (Gain)/Loss	\$	116,494	10	\$	16,219	\$	70,372	10	\$	9,798	\$	20,695	10	\$	2,881	\$	207,561	10
July 1, 2005																		
Experience (Gain)/Loss	\$	190,098	11	\$	24,898	\$	81,067	11	\$	10,618	\$	34,691	11	\$	4,544	\$	305,856	11
Assumption Change		219,811	16		23,309		106,362	16		11,279		42,701	16		4,528	\$	368,874	16
Plan Change		1,927	16		204		243	16		26	_	-	-		-	<u>\$</u>	2,170	16
Subtotal	\$	411,836		\$	48,411	\$	187,671		\$	21,922	\$	77,392		\$	9,072	\$	676,899	
July 1, 2007																		
Experience (Gain)/Loss	\$	130,351	13	\$	15,445	\$	174	13	\$	21	\$	14,562	13	\$	1,725	\$	145,087	13

SECTION IV CONTRIBUTIONS AND MINIMUM MUNICIPAL OBLIGATION

	Table IV-4 Unfunded Liability Payments toward the MMO for Fiscal Year 2011 (continued) (\$ thousands)												
Type of Base	7/1/2009 Balance	Municipal Remaining Years	FY 2011 Payment	7/1/2009 Balance	Police Remaining Years	FY 2011 Payment	7/1/2009 Balance	Fire Remaining Years	FY 2011 Payment	7/1/2009 Balance	Total Remaining Years		
July 1, 2009 Experience (Gain)/Loss Assumption Change Subtotal	\$ 513,991 219,634 \$ 733,625	20 20	\$ 49,264 21,051 \$ 70,316	122,247	20 20	\$ 26,336 <u>11,717</u> \$ 38,053	\$ 114,937 <u>42,560</u> \$ 157,498	20 20	\$ 11,016 4,079 \$ 15,096	\$ 903,701 <u>\$ 384,442</u> \$ 1,288,143	20 20		
Total	\$ 2,769,734		\$ 263,206	\$ 1,559,040		\$ 154,975	\$ 604,158		\$ 54,476	\$ 4,932,932			

Note: Numbers may not add due to rounding.



SECTION IV CONTRIBUTIONS AND MINIMUM MUNICIPAL OBLIGATION

Table IV-5 provides more detail by plan on the expected and actual unfunded actuarial liability and the new amortization bases established as of July 1, 2009 for the MMO.

Table IV-5a Development of the Fiscal Year 2011 Amortization Payment under MMO Municipal and Elect										
		thousands) 7/1/2009 standing Balance	Remaining Years		FY 2011 Payment					
1. Expected Unfunded Actuarial Liability (UAL) as of July 1, 2009 Based on July 1, 2008 Valuation	\$	2,036,109		\$	192,890					
 2. Changes in UAL due to a. Actuarial Experience b. Assumption Changes c. Active Plan Changes 	\$	513,991 219,634	20 20 0	\$	49,264 21,051					
d. Inactive Plan Changes e. Subtotal	\$	733,625	0	\$	- 70,316					
3. Total [1. + 2e.]	\$	2,769,734		\$	263,206					

Table IV-5b Development of the Fiscal Year 2011 Amortization Payment under MMO Police										
		thousands) 7/1/2009 standing Balance	Remaining Years		FY 2011 Payment					
 Expected Unfunded Actuarial Liability (UAL) as of July 1, 2009 Based on July 1, 2008 Valuation 	\$	1,162,021		\$	116,922					
2. Changes in UAL due to a. Actuarial Experience b. Assumption Changes	\$	274,773 122,247	20 20	\$	26,336 11,717					
c. Active Plan Changes d. Inactive Plan Changes e. Subtotal	\$	397,020	0 0	\$	- 					
3. Total [1. + 2e.]	\$	1,559,040		\$	154,975					



Table IV-5c Development of the Fiscal Year 2011 Amortization Payment under MMO Fire										
		thousands) 7/1/2009 tanding Balance	Remaining Years		FY 2011 Payment					
1. Expected Unfunded Actuarial Liability (UAL) as of July 1, 2009 Based on July 1, 2008 Valuation	\$	446,660		\$	39,380					
2. Changes in UAL due toa. Actuarial Experienceb. Assumption Changes	\$	114,937 42,560	20 20	\$ \$	11,016 4,079					
c. Active Plan Changes d. Inactive Plan Changes e. Subtotal	\$	- - 157,498	0 0	\$	- 15,096					
3. Total [1. + 2e.]	\$	604,158		\$	54,476					

Table IV-5d Development of the Fiscal Year 2011 Amortization Payment under MMO Total										
		5 thousands) 7/1/2009 tstanding Balance	Remaining Years		FY 2011 Payment					
1. Expected Unfunded Actuarial Liability (UAL) as of July 1, 2009 Based on July 1, 2008 Valuation	\$	3,644,789		\$	349,192					
 2. Changes in UAL due to a. Actuarial Experience b. Assumption Changes a. Active Plan Changes 	\$	903,701 384,442	20 20	\$	86,617 36,848					
c. Active Plan Changes d. Inactive Plan Changes e. Subtotal	\$	1,288,142	0 0	\$						
3. Total [1. + 2e.]	\$	4,932,932		\$	472,657					



SECTION IV CONTRIBUTIONS AND MINIMUM MUNICIPAL OBLIGATION

The tables on the following pages support Exhibit I of the Act 205 filings.

- Table IV-6 is a summary of assets, liabilities, and amortization contributions under the assumption that the Pension Obligation Bond (POB) was never contributed.
- Table IV-7 is a schedule of modified amortization payments under the assumption that the proceeds from the POB were never contributed.
- Table IV-8a, IV-8b, and IV-8c are debt service schedules for the POB, allocated for the Municipal, Police, and Fire divisions.
- Tables IV-9a and IV-9b are statements of receipts and disbursements for each division excluding and including bond issue assets, respectively, excluding the PAF.

							Table IV-6 Summary of Modified Actuarial Data											
Summary				uarial Dat	a													
		(\$ thousand	ls)															
	Municipal			Police		Fire	 Total											
Actuarial Liability	\$	5,094,017	\$	2,818,295	\$	1,062,732	\$ 8,975,045											
Market Value of Assets (less POB)	\$	1,621,968	\$	936,225	\$	274,377	\$ 2,832,570											
Actuarial Value of Assets (less POB)	\$	1,846,079	\$	1,059,048	\$	317,438	\$ 3,222,565											
Unfunded Actuarial Liability (AL - AVA)	\$	3,247,938	\$	1,759,247	\$	745,294	\$ 5,752,479											
Amortization Contributions																		
1/1/1985 Initial Liability																		
Remaining Years		16		16		16	16											
Level-Dollar Contribution	\$	77,110	\$	51,748	\$	19,740	\$ 148,598											
Payroll-Based Contribution	\$	147,513	\$	94,695	\$	37,763	\$ 279,971											
Post-1/1/1985 Liability																		
Remaining Years		19		20		26	20											
Amortization Contribution	\$	143,914	\$	59,422	\$	25,469	\$ 228,805											
Total Amortization Contribution	\$	291,427	\$	154,117	\$	63,232	\$ 508,776											

Note: Numbers may not add due to rounding.



SECTION IV CONTRIBUTIONS AND MINIMUM MUNICIPAL OBLIGATION

	Table IV-7 Modified Unfunded Liability Payments toward the MMO for Fiscal Year 2011 (\$ thousands)											
Type of Base	7/1/2009 Balance	Municipal Remaining Years	FY 2011 Payment	7/1/2009 Balance	Police Remaining Years	FY 2011 Payment	7/1/2009 Balance	Fire Remaining Years	FY 2011 Payment	7/1/2009 Balance	Total Remaining Years	
Original July 1, 1985 Unfunded Liability	\$ 1,777,738	16	\$ 147,513	\$ 1,141,214	16	\$ 94,695	\$ 455,095	16	\$ 37,763	\$ 3,374,047	16	
All Changes Prior to July 1, 2009 July 1, 2009 Charges	\$ 841,726		\$ 83,677	\$ 247,648		\$ 23,922	\$ 159,216		\$ 12,915	\$ 1,248,591		
Experience (Gain)/Loss Assumption Change Subtotal	\$ 408,840 219,634 \$ 628,474	20 20	\$ 39,186 21,051 \$ 60,237	\$ 248,138 <u>122,247</u> \$ 370,385	20 20	\$ 23,783 <u>11,717</u> \$ 35,500	\$ 88,423 42,560 \$ 130,983	20 20	\$ 8,475 <u>4,079</u> \$ 12,554	\$ 745,401 384,442 \$ 1,129,842	20 20	
Total	\$ 3,247,939		\$ 291,427	\$ 1,759,247		\$ 154,117	\$ 745,295		\$ 63,232	\$ 5,752,481		

Note: Numbers may not add due to rounding.



		Table IV	-8a	
	Total D	ebt Service Requi	rements: Municipal	
	Required	Required	Premium or	Principal Balance
Plan Year	Principal Payment	Interest Payment	Discount Amortized	at Valuation Date
1999	\$ -	\$ 7,041,525.30	\$ -	\$ 727,185,593.15
2000	9,917,857.50	29,825,175.27	-	717,267,735.65
2001	4,567,730.63	29,324,323.46	-	712,700,005.02
2002	-	29,087,715.02	-	712,700,005.02
2003	6,422,403.75	29,087,715.02	-	706,277,601.27
2004	8,884,981.88	28,728,336.25	-	697,392,619.39
2005	15,161,038.13	28,250,550.75	-	682,231,581.20
2006	18,743,737.50	27,403,048.72	-	663,487,843.7
2007	22,526,257.50	26,345,901.92	-	640,961,586.20
2008	26,486,083.13	25,064,157.87	-	614,475,503.13
2009	30,870,879.38	23,543,856.70	-	583,604,623.7
2010	40,000,711.88	21,756,432.78	-	543,603,911.8
2011	45,151,018.13	19,420,391.21	-	498,452,893.74
2012	22,154,721.72	45,234,066.39	-	476,298,172.02
2013	21,786,233.75	48,416,929.37	-	454,511,938.2
2014	20,545,516.84	50,378,126.28	-	433,966,421.43
2015	20,088,811.07	53,652,021.42	-	413,877,610.3
2016	19,364,886.72	56,464,212.02	-	394,512,723.64
2017	18,085,471.62	57,743,627.12	-	376,427,252.02
2018	16,915,332.51	58,913,766.23	-	359,511,919.5
2019	15,787,131.76	60,041,966.99	-	343,724,787.73
2020	14,758,165.41	61,070,933.33	-	328,966,622.34
2021	13,823,708.03	62,005,390.71	-	315,142,914.3
2022	12,919,375.38	62,909,723.36	-	302,223,538.9
2023	12,071,748.11	63,757,350.63	-	290,151,790.8
2024	11,250,110.80	64,578,987.94	-	278,901,680.02
2025	10,560,195.36	65,268,903.38	-	268,341,484.60
2026	17,271,090.90	58,558,007.84	-	251,070,393.7
2027	60,297,984.38	16,196,263.75	-	190,772,409.38
2028	64,125,534.38	12,367,341.75	-	126,646,875.00
2029	126,646,875.00	4,147,685.16	-	-



		Table IV	-8b	
	Total	Debt Service Req	uirements: Police	
	Required	Required	Premium or	Principal Balance
Plan Year	Principal Payment	Interest Payment	Discount Amortized	at Valuation Date
1999	\$ -	\$ 3,848,228.76	\$ -	\$ 397,410,560.15
2000	5,420,158.68	16,299,607.13	-	391,990,401.47
2001	2,496,287.61	16,025,889.30	-	389,494,113.86
2002	-	15,896,581.60	-	389,494,113.86
2003	3,509,875.74	15,896,581.60	-	385,984,238.12
2004	4,855,686.99	15,705,644.36	-	381,128,551.13
2005	8,285,583.09	15,439,067.14	-	372,842,968.04
2006	10,243,546.20	14,975,903.05	-	362,599,421.84
2007	12,310,712.28	14,398,167.04	-	350,288,709.5
2008	14,474,776.77	13,697,687.51	-	335,813,932.7
2009	16,871,089.83	12,866,835.33	-	318,942,842.9
2010	21,860,588.91	11,889,999.22	-	297,082,254.0
2011	24,675,257.01	10,613,340.83	-	272,406,997.0
2012	12,107,666.12	24,720,643.30	-	260,299,330.9
2013	11,906,285.60	26,460,093.82	-	248,393,045.3
2014	11,228,227.61	27,531,897.73	-	237,164,817.7
2015	10,978,635.63	29,321,097.79	-	226,186,182.0
2016	10,583,007.35	30,857,974.00	-	215,603,174.7
2017	9,883,800.61	31,557,180.75	-	205,719,374.1
2018	9,244,313.74	32,196,667.62	-	196,475,060.3
2019	8,627,746.39	32,813,234.97	-	187,847,313.9
2020	8,065,411.14	33,375,570.22	-	179,781,902.8
2021	7,554,725.51	33,886,255.84	-	172,227,177.3
2022	7,060,503.20	34,380,478.16	-	165,166,674.1
2023	6,597,270.66	34,843,710.70	-	158,569,403.4
2024	6,148,241.77	35,292,739.59	-	152,421,161.7
2025	5,771,199.53	35,669,781.82	-	146,649,962.1
2026	9,438,737.48	32,002,243.88	-	137,211,224.7
2027	32,953,149.75	8,851,339.07	-	104,258,074.9
2028	35,044,924.95	6,758,814.06	-	69,213,150.0
2029	69,213,150.00	2,266,730.66	-	-



		Table IV	-8c	
	Tota	al Debt Service Ree	quirements: Fire	
	Required	Required	Premium or	Principal Balance
Plan Year	Principal Payment	Interest Payment	Discount Amortized	at Valuation Date
1999	\$ -	\$ 1,620,185.70	\$ -	\$ 167,318,251.01
2000	2,282,001.44	6,862,479.41	-	165,036,249.57
2001	1,050,989.88	6,747,238.34	-	163,985,259.69
2002	-	6,692,797.06	-	163,985,259.69
2003	1,477,731.92	6,692,797.06	-	162,507,527.77
2004	2,044,346.92	6,612,408.45	-	160,463,180.85
2005	3,488,405.72	6,500,173.80	-	156,974,775.13
2006	4,312,749.60	6,305,171.92	-	152,662,025.53
2007	5,183,070.24	6,061,932.84	-	147,478,955.29
2008	6,094,187.16	5,767,016.15	-	141,384,768.13
2009	7,103,085.64	5,417,209.80	-	134,281,682.49
2010	9,203,770.28	5,005,941.15	-	125,077,912.21
2011	10,388,805.08	4,468,440.96	-	114,689,107.13
2012	5,097,583.51	10,407,913.67	-	109,591,523.62
2013	5,012,798.05	11,140,259.13	-	104,578,725.57
2014	4,727,321.30	11,591,511.24	-	99,851,404.27
2015	4,622,237.80	12,344,802.31	-	95,229,166.47
2016	4,455,669.93	12,991,859.70	-	90,773,496.54
2017	4,161,289.10	13,286,240.52	-	86,612,207.44
2018	3,892,051.60	13,555,478.02	-	82,720,155.84
2019	3,632,463.70	13,815,065.92	-	79,087,692.14
2020	3,395,708.67	14,051,820.95	-	75,691,983.47
2021	3,180,699.22	14,266,830.40	-	72,511,284.25
2022	2,972,621.18	14,474,908.45	-	69,538,663.07
2023	2,777,590.48	14,669,939.14	-	66,761,072.59
2024	2,588,539.82	14,858,989.80	-	64,172,532.77
2025	2,429,797.06	15,017,732.56	-	61,742,735.71
2026	3,973,908.11	13,473,621.52	-	57,768,827.60
2027	13,873,973.00	3,726,600.95	-	43,894,854.60
2028	14,754,654.60	2,845,603.67	-	29,140,200.00
2029	29,140,200.00	954,341.55	-	-



SECTION IV CONTRIBUTIONS AND MINIMUM MUNICIPAL OBLIGATION

Table IV- 9a provides the market value of assets *excluding* the Bond issue assets and excluding the PAF.

		Table	IV	-9a			
Receipts	and	Disbursements	Ex	cluding Bond l	lssue	e Assets	
		Municipal		Police		Fire	Total
Assets as of July 1, 2008	\$	2,134,544,636	\$	1,231,483,993	\$	368,478,027	\$ 3,734,506,656
Receipts							
Employer Contributions	\$	252,748,034	\$	118,794,942	\$	55,211,943	\$ 426,754,919
Employee Contributions		25,358,172		21,411,006		7,253,400	54,022,578
State Aid		32,154,743		20,316,547		7,087,796	59,559,086
Supplemental State Assistance		-		-		-	-
Investment Income							
(includes investment expenses)		(442,989,018)		(252,778,357)		(77,163,613)	(772,930,988)
Other Receipts		_					 -
Total Receipts	\$	(132,728,069)	\$	(92,255,863)	\$	(7,610,473)	\$ (232,594,405)
Disbursements							
Benefit Payments	\$	371,584,295	\$	199,341,420	\$	85,047,777	\$ 655,973,492
Refund of Contributions		2,591,965		1,486,420		707,827	4,786,212
Administrative Expenses		5,671,962		2,174,921		734,917	8,581,800
PAF Transfer at Year End		-		-		-	-
Other Disbursements		-		-		-	 -
Total Disbursements	\$	379,848,222	\$	203,002,761	\$	86,490,521	\$ 669,341,504
Assets as of July 1, 2009	\$	1,621,968,345	\$	936,225,370	\$	274,377,033	\$ 2,832,570,748

Note: Numbers may not add due to rounding



SECTION IV CONTRIBUTIONS AND MINIMUM MUNICIPAL OBLIGATION

Table IV- 9b provides the market value of assets *including* the Bond issue assets but excluding the PAF.

D	1.0	Table]					
Receipts	s and D	Municipal	Inc	luding Bond Is Police	sue .	Assets Fire	Total
Assets as of July 1, 2008	\$	2,538,219,338	\$	1,341,828,086	\$	503,497,310	\$ 4,383,544,734
Receipts							
Employer Contributions	\$	220,779,962	\$	129,775,437	\$	45,274,520	\$ 395,829,920
Employee Contributions		25,358,172		21,411,006		7,253,400	54,022,578
State Aid		32,154,743		20,316,547		7,087,796	59,559,086
Supplemental State Assistance		-		-		-	-
Investment Income							
(includes investment expenses)		(492,606,067)		(265,828,679)		(96,752,810)	(855,187,556)
Other Receipts						_	
Total Receipts	\$	(214,313,189)	\$	(94,325,689)	\$	(37,137,094)	\$ (345,775,972)
Disbursements							
Benefit Payments	\$	371,584,295	\$	199,341,420	\$	85,047,777	\$ 655,973,492
Refund of Contributions		2,591,965		1,486,420		707,827	4,786,212
Administrative Expenses		5,671,962		2,174,921		734,917	8,581,800
PAF Transfer at Year End		-		-		-	-
Other Disbursements				-		-	 -
Total Disbursements	\$	379,848,222	\$	203,002,761	\$	86,490,521	\$ 669,341,504
Assets as of July 1, 2009	\$	1,944,057,927	\$	1,044,499,636	\$	379,869,695	\$ 3,368,427,258

Note: Numbers may not add due to rounding



SECTION IV CONTRIBUTIONS AND MINIMUM MUNICIPAL OBLIGATION

The Table IV -10 and Table IV - 11 provide information on the City's Funding Policy for FY 2010 and FY 2011. The differences between the MMO and the City's Funding Policy are:

- The City's Funding Policy amortizes the initial July 1, 1985 unfunded actuarial liability over 34 years, whereas the MMO is determined based on a 40-year amortization schedule.
- A July 2004 amendment to Act 205 allowed for 2001 and 2002 calendar year investment losses to be amortized over 30 years for the MMO, rather than the usual 15 years which is used for the City's Funding Policy.
- The normal cost portion of the City's Funding Policy payment is based on actual fiscal year payroll, whereas the MMO is based on the prior year's estimated payroll for that year.
- Interest does not accumulate on the MMO, as long as the payment is made by the end of the fiscal year.
- Both the City's Funding Policy and the MMO utilize valuation results developed in the previous year (e.g., the July 1, 2009 valuation report will determine FY 2010 contribution amounts). However, no interest is added to the MMO for this delay.
- The MMO reflects amortization of prior years' City contributions above past MMOs as actuarial gains.

Starting with FY 2007-2008, the MMO recognized actuarial gains and losses every other year, in order to coincide with the filing of the Act 205 forms. The City's Funding Policy recognizes actuarial gains and losses on an annual basis.

Table IV -10 develops the amortized amounts for the current year under the City's Funding Policy. For additional details on the amortized amounts by plan, refer to Appendix B. Table IV -11 provides the estimated FY 2011 and updated FY 2010 contribution amount under the City's Funding Policy. The estimated FY 2011 contribution will be updated in next year's actuarial valuation report based upon the July 1, 2010 payroll.



SECTION IV CONTRIBUTIONS AND MINIMUM MUNICIPAL OBLIGATION

Development of the	Table IV-10 Development of the Fiscal Year 2011 Amortization Payment under the City's Funding Policy Total												
(\$ thousands)													
7/1/2009 7/1/2010 Remaining FY 2011 Payment FY 2011 Payment Outstanding Balance Expected Balance Years Beginning-of-Year End-of-Year													
1. Expected Unfunded Actuarial Liability (UAL) as of July 1, 2009 Based on July 1, 2008 Valuation Remaining	\$	3,635,652	\$	3,442,527		\$	451,103	\$	488,320				
 Changes in UAL due to Actuarial Experience Assumption Changes Active Plan Changes Inactive Plan Changes Subtotal 	\$ 	912,838 384,442 - - 1,297,280	\$	988,148 416,158 - - 1,404,306	20 20 20 10	\$ 	94,711 39,888 - - - 134,599	\$ 	102,525 43,178 - - - 145,703				
3. Total [1c. + 2e.]	\$	4,932,932	\$	4,846,832		\$	585,702		634,022				

Table IV-11 City's Funding Policy Contributions*													
Fiscal Year 2011 % of Pay 2010 % of Pay													
Estimated FY Payroll	\$	1,521,790		\$	1,463,260	**							
Normal Cost (with Expenses)	\$	149,473	9.82%	\$	130,827	8.94%							
Employee Contributions		(52,840)	3.47%		(49,804)	3.40%							
City Normal Cost Amortization Payment	\$	96,633 585,702	6.35% 38.49%	\$	81,023 464,619	5.54% 31.75%							
City's Funding Policy	\$	682,335	44.84%	\$	545,642	37.29%							

* Assuming beginning-of-year payment.

** FY 2010 payroll for the City's Funding Policy is updated based the July 1, 2009 pay rates. All other payroll is estimated based upon the prior year's data used for the actuarial valuation



SECTION V ACCOUNTING STATEMENT INFORMATION

The Governmental Accounting Standards Board's Statement No. 25 (GASB 25) is effective for plan years beginning after June 15, 1996, and supersedes Statement No. 5. GASB No. 25 establishes standards for disclosure of pension information by public employee retirement systems and governmental employers in notes to financial statements and supplementary information. The disclosure presents the actuarial liability computed for funding purposes to the actuarial value of assets to determine a funding ratio (i.e., the EAN liability). The actuarial liability is determined assuming that participants continue to terminate employment, retire, etc., in accordance with the actuarial assumptions. Liabilities are discounted at the assumed valuation interest rate of 8.75% per annum for Fiscal Year 2009. For Fiscal Year 2010, the assumed interest rate will change to 8.25% based upon July 1, 2009 liabilities valued at this interest rate. GASB Statement No. 25 requires the actuarial liability be compared with the actuarial value of assets for funding purposes. The relevant amounts as of July 1, 2008 and July 1, 2009 are presented in Table V-1.

GASB 25 also requires for the disclosure of two financial statements and two schedules of historical information:

- Statement of Plan Net Assets includes information about System assets and liabilities at the valuation date. This statement can be found at the beginning of the Assets section of this report, in Table II-1.
- Statement of Changes in Plan Net Assets shows receipts and disbursements from the Fund for the most recent plan year. This statement can also be found in the Assets section of this report, in Table II-2.
- Schedule of Funding Progress discloses historical information about the funded status of the plan. This schedule can be found in Table V-3.
- Schedule of Employer Contributions discloses historical information about the Annual Required Contribution (ARC) and the actual contributions made by the employer. This schedule can be found in Table V-4.

GASB Statement No. 27 requires that financial statements must include additional disclosures for pension expenditures/expenses. It is effective for the period beginning after June 15, 1997. Table V-5 summarizes the results of this valuation according to our interpretation of GASB 27. The interpretation of the statements is subject to your auditor's review. The required disclosures are:

• Annual Required Contribution (ARC) – this is the expected contribution required based on statement-specific valuation methods and assumptions, with the unfunded liability amortized over an initial period not to exceed 40 years and thereafter 30 years, either as a level-dollar amount or as a level percentage of pay, and with amortization of contributions less than or in excess of the required amount. Historically, the ARC has been shown as the contribution required under the City's Funding Policy.



SECTION V ACCOUNTING STATEMENT INFORMATION

- Equivalent Single Amortization Period this is the number of years incorporated in a weighted average amortization factor for all amortization components combined. The weighted average amortization factor is equal to the total unfunded actuarial liability divided by the sum of the amortization provisions for each of the separately amortized components. This weighted average produces 12.6 years.
- Net Pension Obligation (NPO) the accumulated value of contribution deficiencies (or excesses) over required contributions from July 1, 1987 to July 1, 2009 between the annual pension cost and the employer's contribution.
- Annual Pension Cost is equal to the ARC plus one year's interest on NPO and ARC adjustment.

	Table V-1 Funding Status Under GASB Statement No. 25 (\$ thousands)													
	July 1, 2009 July 1, 2008 % Change													
1.	Actuarial Liabilities a. Members Currently Receiving Payments	\$	5,693,789	\$	5,350,582	6.4%								
	b. Vested Terminated and Inactive Members c. Active Members		116,672 3,164,583		104,992 2,946,645	11.1% 7.4%								
	d. Total Actuarial Liability	\$	8,975,045	\$	8,402,219	6.8%								
2.	Actuarial Value of Assets	\$	4,042,113	\$	4,623,562	-12.6%								
3.	Unfunded Actuarial Liability	\$	4,932,932	\$	3,778,657	30.5%								
4.	Ratio of Actuarial Value of Assets													
	to Actuarial Liability (2)/(1)(d)		45.0%		55.0%	-10.0%								



SECTION V ACCOUNTING STATEMENT INFORMATION

Table V-2 Statement of Changes in Liabilities - GASB No. 25 Basis (\$ thousands)									
Actuarial Liability as of July 1, 2008	\$	8,402,219							
Increase (Decrease) During Year Attributable to:									
Passage of Time	\$	706,286							
Benefits Paid		(660,760)							
Assumption Change		384,442							
Plan Amendment		-							
Benefits Accrued, Other Gains/Losses		142,858							
Net Increase (Decrease)	\$	572,826							
Actuarial Liability as of July 1, 2009	\$	8,975,045							

	Table V-3 Schedule of Funding Progress (\$ millions)											
Actuarial Valuation Date *	Actuarial Value of Assets	Actuarial Liability	Unfunded Actuarial Liability (UAL)	Funded Ratio	Covered Payroll	UAL as a % of Covered Payroll						
	(a)	(b)	(b-a)	(a/b)	(c)	[(b-a)/c]						
7/1/1992	\$ 1,981.8	\$ 4,425.5	\$ 2,443.7	44.8%	\$ 993.3	246.0%						
7/1/1993	2,113.9	4,502.1	2,388.2	47.0%	975.0	244.9%						
7/1/1994	2,225.2	4,662.6	2,437.4	47.7%	974.3	250.2%						
7/1/1995	2,312.1	4,850.8	2,538.7	47.7%	1,006.4	252.3%						
7/1/1996	2,457.2	5,098.1	2,640.9	48.2%	1,068.3	247.2%						
7/1/1997	2,660.9	5,318.1	2,657.2	50.0%	1,067.7	248.9%						
7/1/1998	2,921.3	5,586.1	2,664.8	52.3%	1,128.2	236.2%						
7/1/1999	4,496.8	5,862.1	1,365.3	76.7%	1,178.6	115.8%						
7/1/2000	4,765.0	6,193.4	1,428.4	76.9%	1,142.8	125.0%						
7/1/2001	4,943.4	6,379.8	1,436.4	77.5%	1,180.4	121.7%						
7/1/2002	4,891.3	6,727.2	1,835.9	72.7%	1,207.3	152.1%						
7/1/2003	4,548.1	7,188.3	2,640.2	63.3%	1,269.3	208.0%						
7/1/2004	4,333.1	7,247.7	2,914.6	59.8%	1,266.0	230.2%						
7/1/2005	4,159.5	7,851.5	3,692.0	53.0%	1,270.7	290.5%						
7/1/2006	4,168.5	8,083.7	3,915.2	51.6%	1,319.4	296.7%						
7/1/2007	4,421.7	8,197.2	3,775.5	53.9%	1,351.8	279.3%						
7/1/2008	4,623.6	8,402.2	3,778.7	55.0%	1,456.5	259.4%						
7/1/2009	4,042.1	8,975.0	4,932.9	45.0%	1,463.3	337.1%						

* The actuarial valuation reports need to be referenced in comparison of these values to ascertain when and if the values reflect assumption, benefit or method changes.



SECTION V ACCOUNTING STATEMENT INFORMATION

Schedu	Table V-4 le of Employer Contribut (\$ millions)	ions
Fiscal Year Ended June 30	Annual Required Contribution (ARC)	Percentage of ARC Contributed
1993	\$ 209.4	100.0%
1994	223.8	104.5%
1995	212.8	100.0%
1996	222.5	100.0%
1997	237.0	100.0%
1998	252.1	100.0%
1999	256.7	586.9%*
2000	168.9	108.9%
2001	167.6	100.0%
2002	178.2	100.0%
2003	195.5	91.9%
2004	253.8	79.9%
2005	358.1	83.6%
2006	395.0	84.0%
2007	527.9	81.9%
2008	536.9	79.5%
2009	539.5	84.4%

* Due to the Pension Obligation Bond worth \$1,250,000,000 deposited on February 2, 1999.



SECTION V ACCOUNTING STATEMENT INFORMATION

						Tal	ble	V-5							
				Calcu	ıla	tion of A	nr	ual Pen	sio	n Cost					
	(\$ thousands)														
		1994		1995		1996		1997		1998	1999		2000		2001
ARC	\$	223,750	\$	212,838	\$	222,482	\$	237,016	\$	252,080	\$ 256,704	\$	168,928	\$	167,616
Interest on NPO		-		(900)		(869)		(840)		(811)	(783)		(113,257)		(110,748)
Adjustment to ARC		-		1,241		1,198		1,158		1,118	1,080		156,130		152,672
Annual Pension Cost	\$	223,750	\$	213,179	\$	222,811	\$	237,334	\$	252,387	\$ 257,001	\$	211,801	\$	209,540
Contributions		233,750		212,838		222,482		237,016		252,080	1,506,704		183,928		167,616
Increase in NPO	\$	(10,000)	\$	341	\$	329	\$	318	\$	307	\$(1,249,703)	\$	27,873	\$	41,924
NPO at BOY		_		(10,000)		(9,659)		(9,330)		(9,012)	(8,705)	(1,258,408)	(1,230,535)
NPO at EOY	\$	(10,000)	\$	(9,659)	\$	(9,330)	\$	(9,012)	\$	(8,705)	\$(1,258,408)	\$(1,230,535)	\$(1,188,611)
Interest Rate		9.00%		9.00%		9.00%		9.00%		9.00%	9.00%		9.00%		9.00%
15-Year Amortization															
Factor (EOY)		8.06		8.06		8.06		8.06		8.06	8.06		8.06		8.06

Note: (\$9,012,000) was the NPO at transition date

SECTION V ACCOUNTING STATEMENT INFORMATION

			Ta	ble V-5							
		Calculation	n of Annual	Pension Co	ost (contin	ued)					
(\$ thousands)											
	2002	2003	2004	2005	2006	2007	2008	2009			
ARC	\$ 178,239	\$ 195,514	\$ 253,844	\$ 358,141	\$ 394,950	\$527,925	\$ 536,874	\$ 539,464			
Interest on NPO	(106,975)	(103,330)	(98,392)	(90,448)	(82,068)	(71,541)	(60,685)	(48,957)			
Adjustment to ARC	147,470	142,446	135,638	124,687	113,135	99,953	84,785	68,399			
Annual Pension Cost	\$ 218,734	\$ 234,630	\$ 291,090	\$ 392,380	\$ 426,017	\$ 556,337	\$ 560,974	\$ 558,906			
Contributions	178,239	179,757	202,827	299,266	331,765	432,267	426,934	455,389			
Increase in NPO	\$ 40,495	\$ 54,873	\$ 88,263	\$ 93,114	\$ 94,252	\$ 124,069	\$ 134,040	\$ 103,517			
NPO at BOY	(1,188,611)	(1,148,116)	(1,093,243)	(1,004,980)	(911,866)		(693,545)	(559,505)			
NPO at EOY	\$(1,148,116)	\$(1,093,243)	\$(1,004,980)	\$ (911,866)	\$ (817,614)	\$ (693,545)	\$ (559,505)	\$ (455,987)			
Interest Rate	9.00%	9.00%	9.00%	9.00%	9.00%	8.75%	8.75%	8.75%			
15-Year Amortization											
Factor (EOY)	8.06	8.06	8.06	8.06	8.06	8.18	8.18	8.18			



APPENDIX A MEMBERSHIP INFORMATION

The data for this valuation was provided by the Board of Pensions as of July 1, 2009. Cheiron did not audit any of the data; however, it was reviewed to ensure that it complies with generally accepted actuarial standards. The following is a list of data charts contained in this section:

- A-1: Active Member Data by Plan
- A-2: Non-Active Member Data, Counts, by Plan
- A-3: Non-Active Member Data, Total Annual Benefits, by Plan
- A-4: Non-Active Member Data, Average Annual Benefits, by Plan
- A-5 through A-20: Age/Service Distribution for Active Participants, Counts and Average Salary for all Plans
- A-21: Reconciliation of Plan Membership
- A-22 through A-26: Age and Benefit Distributions for Non-Active Member Data



			Tab	le A-1				
			Active Me	ember Data				
	July 1, 2009	July 1, 2008	% Change		July 1, 2009	•	July 1, 2008	% Change
<u>Total City</u>				<u>1987 Municipal</u>				
Count	28,632	29,215	-2.0%	Count	15,244		15,200	0.3%
Average Age	43.6	43.4	0.6%	Average Age	43.0		42.5	1.1%
Average Service	12.3	12.0	2.4%	Average Service	8.0		7.4	8.4%
Average Salary	\$ 51,106	\$ 49,855	2.5%	Average Salary	\$ 44,229	\$	43,260	2.2%
Total Annual Salary	\$ 1,463,259,769	\$ 1,456,520,491	0.5%	Total Annual Salary	\$ 674,227,879	\$	657,550,939	2.5%
<u>1967 Municipal</u>				1987 Elected				
Count	4,761	5,318	-10.5%	Count	16		15	6.7%
Average Age	51.7	51.3	0.9%	Average Age	56.6		54.4	4.1%
Average Service	24.0	23.3	2.9%	Average Service	20.3		18.7	8.4%
Average Salary	\$ 54,493	\$ 54,974	-0.9%	Average Salary	\$ 118,275	\$	117,035	1.1%
Total Annual Salary	\$ 259,440,967	\$ 292,349,216	-11.3%	Total Annual Salary	\$ 1,892,402	\$	1,755,527	7.8%
1967 Police				<u> 1987 Police</u>				
Count	1,033	1,154	-10.5%	Count	5,536		5,398	2.6%
Average Age	51.6	50.9	1.4%	Average Age	37.8		37.3	1.2%
Average Service	26.2	25.4	3.2%	Average Service	11.0		10.5	4.7%
Average Salary	\$ 69,407	\$ 65,877	5.4%	Average Salary	\$ 59,735	\$	56,709	5.3%
Total Annual Salary	\$ 71,697,813	\$ 76,022,027	-5.7%	Total Annual Salary	\$ 330,694,468	\$	306,114,447	8.0%
<u> 1967 Fire</u>				<u>1987 Fire</u>				
Count	406	479	-15.2%	Count	1,636		1,651	-0.9%
Average Age	53.4	52.9	0.9%	Average Age	38.3		37.6	1.9%
Average Service	27.1	26.7	1.6%	Average Service	9.6		8.9	8.6%
Average Salary	\$ 68,850	\$ 65,500	5.1%	Average Salary	\$ 59,507	\$	55,332	7.5%
Total Annual Salary	\$ 27,953,044	\$ 31,374,547	-10.9%	Total Annual Salary	\$ 97,353,196	\$	91,353,788	6.6%



			Non-Active	ble A-2 9 Member Data Count			
	July 1, 2009	July 1, 2008	% Change		July 1, 2009	July 1, 2008	% Change
<u>Total City</u>				<u>1987 Municipal Plan</u>			
Retired	21,214	20,898	1.5%	Retired	673	526	27.9%
Disabled	4,288	4,349	-1.4%	Disabled	150	131	14.5%
Beneficiary	8,554	8,510	0.5%	Beneficiary	123	105	17.1%
In Pay Status Total	34,056	33,757	0.9%	In Pay Status Total	946	762	24.1%
DROP	1,638	1,648	-0.6%	DROP	158	152	3.9%
Deferred Vested	1,336	1,263	5.8%	Deferred Vested	584	487	19.9%
<u>1967 Municipal Plan</u>				1987 Elected Plan			
Retired	12,757	12,609	1.2%	Retired	11	11	0.0%
Disabled	1,818	1,857	-2.1%	Disabled	-	-	
Beneficiary	5,340	5,314	0.5%	Beneficiary	3	3	0.0%
In Pay Status Total	19,915	19,780	0.7%	In Pay Status Total	14	14	0.0%
DROP	1,064	1,143	-6.9%	DROP	10	9	11.1%
Deferred Vested	627	664	-5.6%	Deferred Vested	-	-	
1967 Police Plan				1987 Police Plan			
Retired	5,653	5,674	-0.4%	Retired	71	57	24.6%
Disabled	1,703	1,770	-3.8%	Disabled	182	150	21.3%
Beneficiary	2,160	2,148	0.6%	Beneficiary	78	72	8.3%
In Pay Status Total	9,516	9,592	-0.8%	In Pay Status Total	331	279	18.6%
DROP	208	176	18.2%	DROP	24	9	166.7%
Deferred Vested	1	6	-83.3%	Deferred Vested	98	83	18.1%
1967 Fire Plan				<u> 1987 Fire Plan</u>			
Retired	2,018	1,998	1.0%	Retired	31	23	34.8%
Disabled	399	414	-3.6%	Disabled	36	27	33.3%
Beneficiary	821	842	-2.5%	Beneficiary	29	26	11.5%
In Pay Status Total	3,238	3,254	-0.5%	In Pay Status Total	96	76	26.3%
DROP	157	153	2.6%	DROP	17	6	183.3%
Deferred Vested	-	-		Deferred Vested	26	23	13.0%



			Non-Active N	e A-3 Member Data ual Benefit			
	July 1, 2009	July 1, 2008	% Change		July 1, 2009	July 1, 2008	% Change
<u>Total City</u> Retired Disabled Beneficiary	\$ 466,141,068 76,102,842 63,748,832	\$ 449,178,992 75,183,367 61,308,280	3.8% 1.2% 4.0%	<u>1987 Municipal Plan</u> Retired Disabled Beneficiary	\$ 7,211,907 2,474,655 818,459	\$ 5,447,715 2,116,568 634,761	32.4% 16.9% 28.9%
In Pay Status Total	 605,992,742	 585,670,639	3.5%	In Pay Status Total	 10,505,021	 8,199,044	28.1%
DROP (pension) DROP (account balance)	59,070,942 102,410,327	56,140,127 112,698,385	5.2% -9.1%	DROP (pension) DROP (account balance)	2,082,793 3,140,471	1,969,832 2,948,391	5.7% 6.5%
Deferred Vested	19,090,252	17,919,468	6.5%	Deferred Vested	7,006,259	5,693,606	23.1%
1967 Municipal Plan Retired Disabled	\$ 258,418,045 29,660,762	\$ 246,264,673 29,745,814	4.9% -0.3%	1987 Elected Plan Retired Disabled	\$ 472,429	\$ 472,433	0.0%
Beneficiary	36,889,539	35,415,948	4.2%	Beneficiary	68,613	68,615	0.0%
In Pay Status Total	324,968,346	311,426,435	4.3%	In Pay Status Total	541,042	541,048	0.0%
DROP (pension) DROP (account balance)	37,332,478 67,721,377	38,462,403 76,748,128	-2.9% -11.8%	DROP (pension) DROP (account balance)	855,097 1,487,723	773,956 556,293	10.5% 167.4%
Deferred Vested	10,199,738	10,563,611	-3.4%	Deferred Vested	-	-	
1967 Police Plan Retired Disabled Beneficiary	\$ 139,713,961 29,375,032 17,829,239	\$ 138,669,531 30,173,598 17,364,629	0.8% -2.6% 2.7%	<u>1987 Police Plan</u> Retired Disabled Beneficiary	\$ 1,095,917 5,714,074 673,644	\$ 844,056 4,464,551 517,528	29.8% 28.0% 30.2%
In Pay Status Total	186,918,232	186,207,758	0.4%	In Pay Status Total	7,483,635	5,826,135	28.4%
DROP (pension) DROP (account balance)	9,613,268 14,559,324	7,350,668 15,134,902	30.8% -3.8%	DROP (pension) DROP (account balance)	529,819 496,201	194,321 362,518	172.7% 36.9%
Deferred Vested	13,436	102,584	-86.9%	Deferred Vested	1,491,992	1,232,478	21.1%
1967 Fire Plan Retired Disabled Beneficiary	\$ 58,785,333 7,689,636 7,201,392	\$ 57,208,255 7,890,682 7,067,013	2.8% -2.5% 1.9%	<u>1987 Fire Plan</u> Retired Disabled Beneficiary	\$ 443,476 1,188,683 267,946	\$ 272,329 792,154 239,786	62.8% 50.1% 11.7%
In Pay Status Total DROP (pension)	73,676,361 8,283,104	72,165,950 7,269,953	2.1% 13.9%	In Pay Status Total DROP (pension)	1,900,105 374,383	1,304,269 118,994	45.7% 214.6%
DROP (account balance) Deferred Vested	14,695,239	16,834,199 -	-12.7%	DROP (account balance) Deferred Vested	309,992 378,827	113,957 327,189	172.0% 15.8%



			Non-Active I	e A-4 Member Data nual Benefit			
	July 1, 2009	July 1, 2008	% Change		July 1, 2009	July 1, 2008	% Change
Total City Retired Disabled	\$ 21,973 17,748	\$ 21,494 17,288	2.2% 2.7%	<u>1987 Municipal Plan</u> Retired Disabled	\$ 10,716 16,498	\$ 10,357 16,157	3.5% 2.1%
Beneficiary	7,453	7,204	3.4%	Beneficiary	6,654	6,045	10.1%
In Pay Status Total	17,794	17,350	2.6%	In Pay Status Total	11,105	10,760	3.2%
DROP (pension) DROP (account balance)	36,063 62,522	34,066 68,385	5.9% -8.6%	DROP (pension) DROP (account balance)	13,182 19,876	12,959 19,397	1.7% 2.5%
Deferred Vested	14,289	14,188	0.7%	Deferred Vested	11,997	11,691	2.6%
1967 Municipal Plan Retired Disabled	\$ 20,257 16,315	\$ 19,531 16,018	3.7% 1.9%	<u>1987 Elected Plan</u> Retired Disabled	\$ 42,948	\$ 42,948	0.0%
Beneficiary	6,908	6,665	3.7%	Beneficiary	22,871	22,872	0.0%
In Pay Status Total	16,318	15,745	3.6%	In Pay Status Total	38,646	38,646	0.0%
DROP (pension) DROP (account balance)	35,087 63,648	33,650 67,146	4.3% -5.2%	DROP (pension) DROP (account balance)	85,510 148,772	85,995 61,810	-0.6% 140.7%
Deferred Vested	16,268	15,909	2.3%	Deferred Vested	-	-	
<u>1967 Police Plan</u> Retired Disabled Beneficiary	\$ 24,715 17,249 8,254	\$ 24,439 17,047 8,084	1.1% 1.2% 2.1%	<u>1987 Police Plan</u> Retired Disabled Beneficiary	\$ 15,435 31,396 8,636	\$ 14,808 29,764 7,188	4.2% 5.5% 20.2%
In Pay Status Total DROP (pension) DROP (account balance)	19,643 46,218 69,997	19,413 41,765 85,994	1.2% 10.7% -18.6%	In Pay Status Total DROP (pension) DROP (account balance)	22,609 22,076 20,675	20,882 21,591 40,280	8.3% 2.2% -48.7%
Deferred Vested	13,436	17,097	-21.4%	Deferred Vested	15,224	14,849	2.5%
<mark>1967 Fire Plan</mark> Retired Disabled	\$ 29,130 19,272	\$ 28,633 19,060	1.7% 1.1%	<u>1987 Fire Plan</u> Retired Disabled	\$ 14,306 33,019	\$ 11,840 29,339	20.8% 12.5%
Beneficiary	8,771	8,393	4.5%	Beneficiary	9,240	9,223	0.2%
In Pay Status Total	22,754	22,178	2.6%	In Pay Status Total	19,793	17,161	15.3%
DROP (pension) DROP (account balance)	52,759 93,600	47,516 110,027	11.0%	DROP (pension) DROP (account balance)	22,023 18,235	19,832 18,993	11.0%
Deferred Vested	-			Deferred Vested	14,570	14,226	2.4%



APPENDIX A MEMBERSHIP INFORMATION

Table A-5 Distribution of Active Participants (Excludes DROP Participants) as of July 1, 2009 -- Total City

COUNTS BY AGE/SERVICE														
	Service													
Age	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 & Up	Total					
Under 25	237	661	40	0	0	0	0	0	938					
25 to 29	274	1,576	645	38	0	0	0	0	2,533					
30 to 34	137	137 1,113 1,251 553 28 0 0 1												
35 to 39	93	730	1,050	1,492	351	33	0	1	3,750					
40 to 44	69	605	797	1,247	1,056	399	14	2	4,189					
45 to 49	54	560	683	948	986	1,084	323	9	4,647					
50 to 54	42	457	590	732	736	1,030	902	366	4,855					
55 to 59	31	310	430	536	386	492	326	509	3,020					
60 to 64	13	176	274	228	129	124	70	153	1,167					
65 & up	4	88	138	87	40	37	17	39	450					
Total	954	6,276	5,898	5,861	3,712	3,199	1,652	1,080	28,632					

Table A-6
Distribution of Active Participants (Excludes DROP Participants) as of July 1, 2009 Total City

					Ser	vice	e				
Age	Unde	er 1	1 to 4	5 to 9	10 to 14		15 to 19	20 to 24	25 to 29	30 & Up	Total
Under 25	\$ 3	37,776	\$ 38,188	\$ 32,083	\$ -	\$	-	\$ -	\$ -	\$ -	\$ 37,824
25 to 29	4	1,053	43,923	49,649	47,484		-	-	-	-	45,124
30 to 34	4	2,261	45,591	53,762	55,263		47,440	-	-	41,661	50,509
35 to 39	3	9,176	44,812	53,322	57,333		58,611	49,680	-	60,451	53,375
40 to 44	3	34,925	43,121	49,884	56,012		60,211	57,594	57,607	71,793	53,859
45 to 49	3	35,923	39,421	45,575	51,529		58,009	58,481	61,669	56,168	52,724
50 to 54	4	4,726	39,233	43,709	48,447		54,464	55,605	64,204	60,000	53,201
55 to 59	3	35,394	37,688	45,643	47,178		49,002	54,740	61,935	65,002	51,926
60 to 64	4	2,469	35,486	41,506	44,650		51,382	49,888	55,756	61,984	46,745
65 & up	3	86,314	26,338	33,970	43,331		42,729	43,659	48,934	57,576	38,495
Total	\$ 3	39,473	\$ 42,107	\$ 48,985	\$ 53,114	\$	56,578	\$ 56,274	\$ 62,689	\$ 62,524	\$ 51,106



APPENDIX A MEMBERSHIP INFORMATION

Table A-7 Distribution of Active Participants (Excludes DROP Participants) as of July 1, 2009 -- Municipal (Plan 67)

COUN IS BY AGE/SERVICE															
	Service														
Age	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 & Up	Total						
Under 25	2	0	0	0	0	0	0	0	2						
25 to 29	0	0	0	0	0	0	0	0	0						
30 to 34	0	0 2 0 0 0 0 0 0 0													
35 to 39	0	0 0 0 8 23 11 0 0													
40 to 44	0	0	2	10	193	195	7	0	407						
45 to 49	0	0	2	14	289	578	219	7	1,109						
50 to 54	0	1	5	13	314	649	605	282	1,869						
55 to 59	0	2	1	3	167	298	218	279	968						
60 to 64	0	1	2	6	63	86	47	77	282						
65 & up	0	0	0	0	19	25	15	21	80						
Total	2	6	12	54	1,068	1,842	1,111	666	4,761						

COUNTS BY AGE/SERVICE

 Table A-8

 Distribution of Active Participants (Excludes DROP Participants) as of July 1, 2009 -- Municipal (Plan 67)

				Se	rvice				
Age	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 & Up	Total
Under 25	\$ 5,128	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,128
25 to 29	-	-	-	-	-	-	-	-	-
30 to 34	-	45,504	-	-	-	-	-	-	45,504
35 to 39	-	-	-	43,915	52,885	48,616	-	-	50,058
40 to 44	-	-	35,903	49,850	53,442	51,666	54,553	-	52,436
45 to 49	-	-	42,722	41,868	51,622	53,590	59,113	58,256	54,030
50 to 54	-	41,348	61,633	49,774	50,934	51,643	61,837	58,145	55,813
55 to 59	-	36,811	52,026	48,212	47,291	51,463	58,088	59,689	54,566
60 to 64	-	60,425	74,694	38,744	54,618	48,459	54,600	59,633	53,931
65 & up	-	-	-	-	44,039	40,267	45,514	52,726	45,418
Total	\$ 5,128	\$ 44,401	\$ 55,569	\$ 45,558	\$ 51,141	\$ 51,906	\$ 59,992	\$ 58,794	\$ 54,493



APPENDIX A MEMBERSHIP INFORMATION

Table A-9Distribution of Active Participants (Excludes DROP Participants) as of July 1, 2009 -- Police (Plan 67)

COUNTS BY AGE/SERVICE														
	Service													
Age	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 & Up	Total					
Under 25	0	0	0	0	0	0	0	0	0					
25 to 29	0	0	0	0	0	0	0	0	0					
30 to 34	0	0 0 0 0 0 0 0 0												
35 to 39	0	0 0 0 1 0 0 0 0												
40 to 44	0	0	0	2	17	24	1	1	45					
45 to 49	0	0	1	1	13	197	71	1	284					
50 to 54	0	0	0	0	0	161	211	54	426					
55 to 59	0	0	0	0	2	66	57	111	236					
60 to 64	0	0	0	0	0	8	10	21	39					
65 & up	0	0	0	0	0	0	0	2	2					
Total	0	0	1	4	32	456	350	190	1,033					

COUNTS BY AGE/SERVICE

 Table A-10

 Distribution of Active Participants (Excludes DROP Participants) as of July 1, 2009 -- Police (Plan 67)

				Ser	vice				
Age	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 & Up	Total
Under 25	\$ -	\$ - \$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25 to 29	-	-	-	-	-	-	-	-	-
30 to 34	-	-	-	-	-	-	-	-	-
35 to 39	-	-	-	60,451	-	-	-	-	60,451
40 to 44	-	-	-	60,654	63,091	64,329	67,641	79,088	64,100
45 to 49	-	-	60,047	60,451	62,258	68,749	72,135	79,915	69,278
50 to 54	-	-	-	-	-	65,055	71,099	73,031	69,060
55 to 59	-	-	-	-	63,899	64,813	72,397	74,984	71,421
60 to 64	-	-	-	-	-	62,674	65,511	71,246	68,017
65 & up	-	-	-	-	-	-	-	75,360	75,360
Total	\$ -	\$ - \$	60,047	\$ 60,552	\$ 62,803	\$ 66,536	\$ 71,351	\$ 74,067	\$ 69,407



APPENDIX A MEMBERSHIP INFORMATION

Table A-11 Distribution of Active Participants (Excludes DROP Participants) as of July 1, 2009 -- Fire (Plan 67)

COUNTS BY AGE/SERVICE												
	Service											
Age	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 & Up	Total			
Under 25	0	0	0	0	0	0	0	0	0			
25 to 29	0	0	0	0	0	0	0	0	0			
30 to 34	0	0	0	0	0	0	0	0	0			
35 to 39	0	0	0	0	0	0	0	0	0			
40 to 44	0	0	0	0	5	7	1	0	13			
45 to 49	0	0	0	0	2	61	13	0	76			
50 to 54	0	0	0	0	1	72	55	6	134			
55 to 59	0	0	0	0	0	33	31	81	145			
60 to 64	0	0	0	0	0	3	2	31	36			
65 & up	0	0	0	0	0	0	0	2	2			
Total	0	0	0	0	8	176	102	120	406			

COUNTS BY AGE/SERVICE

 Table A-12

 Distribution of Active Participants (Excludes DROP Participants) as of July 1, 2009 -- Fire (Plan 67)

				Service					
Age	Under 1	1 to 4	5 to 9 1	0 to 14	15 to 19	20 to 24	25 to 29	30 & Up	Total
Under 25	\$ - \$	5 - \$	- \$	- \$	- \$	-	\$ -	\$ -	\$ -
25 to 29	-	-	-	-	-	-	-	-	-
30 to 34	-	-	-	-	-	-	-	-	-
35 to 39	-	-	-	-	-	-	-	-	-
40 to 44	-	-	-	-	64,479	64,609	61,470	-	64,317
45 to 49	-	-	-	-	60,834	67,124	67,504	-	67,023
50 to 54	-	-	-	-	60,834	63,712	68,322	70,541	65,889
55 to 59	-	-	-	-	-	66,063	69,849	75,756	72,287
60 to 64	-	-	-	-	-	61,027	65,575	72,087	70,803
65 & up	-	-	-	-	-	-	-	81,755	81,755
Total	\$ - \$	5 - \$	- \$	- \$	63,112 \$	65,325	\$ 68,561	\$ 74,648	\$ 68,850



APPENDIX A MEMBERSHIP INFORMATION

Table A-13 Distribution of Active Participants (Excludes DROP Participants) as of July 1, 2009 -- Municipal (Plan 87)

COUN IS BY AGE/SERVICE													
	Service												
Age	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 & Up	Total				
Under 25	150	423	36	0	0	0	0	0	609				
25 to 29	180	1,045	364	31	0	0	0	0	1,620				
30 to 34	94	800	713	217	27	0	0	1	1,852				
35 to 39	71	555	677	636	125	17	0	0	2,081				
40 to 44	65	530	620	656	221	50	3	1	2,146				
45 to 49	54	555	624	647	230	116	17	1	2,244				
50 to 54	42	453	553	619	197	85	25	23	1,997				
55 to 59	31	306	420	484	176	67	17	36	1,537				
60 to 64	13	175	270	216	65	26	10	23	798				
65 & up	4	88	137	85	21	12	1	12	360				
Total	704	4,930	4,414	3,591	1,062	373	73	97	15,244				

COUNTS BY AGE/SERVICE

Table A-14 Distribution of Active Participants (Excludes DROP Participants) as of July 1, 2009 -- Municipal (Plan 87)

					Ser	vice)				
Age	Unde	er 1	1 to 4	5 to 9	10 to 14		15 to 19	20 to 24	25 to 29	30 & Up	Total
Under 25	\$ 3	34,471	\$ 31,460	\$ 29,762	\$ -	\$	-	\$ -	\$ -	\$ -	\$ 32,101
25 to 29	3	9,336	39,949	41,961	44,900		-	-	-	-	40,428
30 to 34	4	1,256	43,141	48,742	46,084		47,205	-	-	41,661	45,605
35 to 39	3	37,559	42,442	49,259	51,149		51,091	46,088	-	-	47,704
40 to 44	3	34,378	41,644	46,862	50,731		53,984	52,187	45,620	64,497	47,242
45 to 49	3	85,923	39,275	44,181	47,261		54,413	52,660	46,547	17,809	45,150
50 to 54	4	4,726	38,987	42,531	46,153		49,991	53,228	53,921	49,380	44,308
55 to 59	3	85,394	37,375	45,305	45,698		47,365	50,297	55,543	50,001	44,327
60 to 64	4	2,469	35,343	41,122	44,375		48,100	48,961	43,821	45,350	41,737
65 & up	3	86,314	26,338	33,736	42,319		41,544	50,726	36,933	52,902	35,652
Total	\$ 3	37,846	\$ 39,471	\$ 45,161	\$ 47,800	\$	51,120	\$ 51,682	\$ 50,624	\$ 48,842	\$ 44,229



APPENDIX A MEMBERSHIP INFORMATION

Table A-15 Distribution of Active Participants (Excludes DROP Participants) as of July 1, 2009 -- Elected (Plan 87)

COUNTS BY AGE/SERVICE														
	Service													
Age	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 & Up	Total					
Under 25	0	0	0	0	0	0	0	0	0					
25 to 29	0	0	0	0	0	0	0	0	0					
30 to 34	0	0 0 0 0 0 0 0 0												
35 to 39	0	0 0 0 0 0 0 0 0												
40 to 44	0	1	1	0	0	1	0	0	3					
45 to 49	0	0	0	0	0	0	0	0	0					
50 to 54	0	1	0	1	1	1	0	0	4					
55 to 59	0	1	0	0	0	0	2	1	4					
60 to 64	0	0	0	0	0	0	1	1	2					
65 & up	0	0	0	1	0	0	1	1	3					
Total	0	3	1	2	1	2	4	3	16					

COUNTS BY AGE/SERVICE

 Table A-16

 Distribution of Active Participants (Excludes DROP Participants) as of July 1, 2009 -- Elected (Plan 87)

				Sei	vice				
Age	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 & Up	Total
Under 25	\$-	\$ -	- \$ -	- \$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25 to 29	-	-	· -		-	-	-	-	-
30 to 34	-	-	· -		-	-	-	-	-
35 to 39	-	-	· -		-	-	-	-	-
40 to 44	-	112,233	112,233	- 3	-	112,233	-	-	112,233
45 to 49	-	-			-	-	-	-	-
50 to 54	-	112,233	-	- 112,233	112,233	186,044	-	-	130,686
55 to 59	-	115,627	-		-	-	115,096	112,233	114,513
60 to 64	-	-	· -		-	-	112,233	117,959	115,096
65 & up	-		. <u> </u>	- 112,233	-	-	112,233	120,250	114,905
Total	\$-	\$ 113,364	\$ 112,233	3 \$ 112,233	\$ 112,233	\$ 149,139	\$ 113,665	\$ 116,814	\$ 118,275



APPENDIX A MEMBERSHIP INFORMATION

Table A-17 Distribution of Active Participants (Excludes DROP Participants) as of July 1, 2009 -- Police (Plan 87)

				COUNTS BI	AGE/SERVICE				
				Serv	ice				
Age	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 & Up	Total
Under 25	82	187	3	0	0	0	0	0	272
25 to 29	88	355	241	6	0	0	0	0	690
30 to 34	42	183	424	315	1	0	0	0	965
35 to 39	21	113	248	696	184	5	0	1	1,268
40 to 44	3	37	106	441	518	116	1	0	1,222
45 to 49	0	0	40	214	346	99	3	0	702
50 to 54	0	0	19	76	168	41	4	1	309
55 to 59	0	0	7	37	35	17	1	0	97
60 to 64	0	0	2	5	1	1	0	0	9
65 & up	0	0	0	1	0	0	0	1	2
Total	236	875	1,090	1,791	1,253	279	9	3	5,536

COUNTS BY AGE/SERVICE

Table A-18 Distribution of Active Participants (Excludes DROP Participants) as of July 1, 2009 -- Police (Plan 87)

					Ser	vice					
Age	Under 1	1 to	o 4	5 to 9	10 to 14	1	5 to 19	20 to 24	25 to 29	30 & Up	Total
Under 25	\$ 44,478	\$ 5	50,626	\$ 54,438	\$ -	\$	-	\$ -	\$ -	\$ -	\$ 48,815
25 to 29	44,526	4	52,431	59,862	59,787		-	-	-	-	54,082
30 to 34	44,526	4	52,137	60,284	61,287		53,782	-	-	-	58,374
35 to 39	44,526	4	52,260	60,109	61,848		63,970	64,231	-	60,451	60,683
40 to 44	44,526	4	52,737	59,893	61,656		64,223	67,258	66,942	-	62,815
45 to 49	-		-	60,584	61,229		63,362	65,212	60,952	-	62,804
50 to 54	-		-	60,869	61,687		62,629	64,138	67,650	60,451	62,547
55 to 59	-		-	60,047	60,958		61,760	63,317	61,145	-	61,597
60 to 64	-		-	60,047	60,451		60,856	61,123	-	-	60,481
65 & up	-		-	-	60,451		-	-	-	68,915	64,683
Total	\$ 44,509	\$ 5	51,975	\$ 60,116	\$ 61,591	\$	63,654	\$ 65,757	\$ 64,616	\$ 63,272	\$ 59,735

APPENDIX A MEMBERSHIP INFORMATION

Table A-19 Distribution of Active Participants (Excludes DROP Participants) as of July 1, 2009 -- Fire (Plan 87)

				COUNTS DI	AGE/SERVICE				
				Serv	ice				
Age	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 & Up	Total
Under 25	3	51	1	0	0	0	0	0	55
25 to 29	6	176	40	1	0	0	0	0	223
30 to 34	1	128	114	21	0	0	0	0	264
35 to 39	1	62	125	151	19	0	0	0	358
40 to 44	1	37	68	138	102	6	1	0	353
45 to 49	0	5	16	72	106	33	0	0	232
50 to 54	0	2	13	23	55	21	2	0	116
55 to 59	0	1	2	12	6	11	0	1	33
60 to 64	0	0	0	1	0	0	0	0	1
65 & up	0	0	1	0	0	0	0	0	1
Total	12	462	380	419	288	71	3	1	1,636

COUNTS BY AGE/SERVICE

Table A-20 Distribution of Active Participants (Excludes DROP Participants) as of July 1, 2009 -- Fire (Plan 87)

					Ser	vice	<u>e</u>				
Age	U	nder 1	1 to 4	5 to 9	10 to 14		15 to 19	20 to 24	25 to 29	30 & Up	Total
Under 25	\$	41,637	\$ 48,381	\$ 48,576	\$ -	\$	-	\$ -	\$ -	\$ -	\$ 48,016
25 to 29		41,637	50,362	58,070	53,762		-	-	-	-	51,525
30 to 34		41,637	51,545	60,900	59,758		-	-	-	-	56,200
35 to 39		41,637	52,453	61,862	63,261		63,120	-	-	-	60,833
40 to 44		41,637	52,787	61,325	63,458		65,445	64,265	91,709	-	62,535
45 to 49		-	55,674	61,882	62,807		65,184	67,132	-	-	64,291
50 to 54		-	57,348	61,845	62,898		64,537	64,582	60,979	-	63,733
55 to 59		-	57,348	63,026	64,163		65,220	62,925	-	60,834	63,566
60 to 64		-	-	-	60,429		-	-	-	-	60,429
65 & up		-	-	66,026	-		-	-	-	-	66,026
Total	\$	41,637	\$ 51,049	\$ 61,060	\$ 63,049	\$	65,017	\$ 65,484	\$ 71,222	\$ 60,834	\$ 59,507



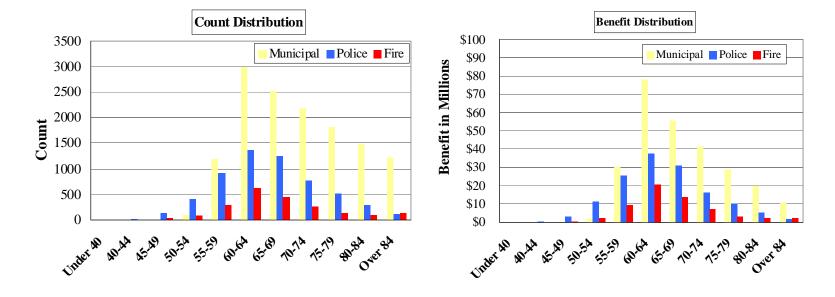
		Recon	Table A ciliation of Pl	-21 an Membershi	р					
		1967 Plan			Plan 87					
	Municipal	Police	Fire	Municipal	Elected	Police	Fire	Total City		
Active										
Active July 1, 2008	5,318	1,154	479	15,200	15	5,398	1,651	29,215		
New Entrants and Rehires	19	8	0	1,367	1	302	31	1,728		
Refunded Contributions	-6	0	0	-396	0	-19	-3	-424		
Terminated Vested	-23	0	0	-84	0	-17	-5	-129		
Became Disabled	-25	-1	-1	-16	0	-25	-6	-74		
Retired	-115	-29	-6	-80	0	-13	-6	-249		
Entered DROP	-348	-94	-61	-66	0	-18	-12	-599		
Net Other Terminations	-59	-5	-5	-681	0	-72	-14	-836		
Active July 1, 2009	4,761	1,033	406	15,244	16	5,536	1,636	28,632		
Retired										
Retired July 1, 2008	12,609	5,674	1,998	526	11	57	23	20,898		
New Retirees	626	86	63	154	0	17	9	955		
Net Other Terminations	-478	-107	-43	-7	0	-3	-1	-639		
Retired July 1, 2009	12,757	5,653	2,018	673	11	71	31	21,214		
Beneficiary										
Beneficiary July 1, 2008	5,314	2,148	842	105	3	72	26	8,510		
New Beneficiaries	247	100	33	18	0	7	3	408		
Net Other Terminations	-221	-88	-54	0	0	-1	0	-364		
Beneficiary July 1, 2009	5,340	2,160	821	123	3	78	29	8,554		

			Table A	-21				
		Reconciliatio	on of Plan Me	mbership (con	tinued)			
		1967 Plan			Plan	87		
	Municipal	Police	Fire	Municipal	Elected	Police	Fire	Total City
Disabled								
Disabled July 1, 2008	1,857	1,770	414	131	0	150	27	4,349
New Disabilities	44	6	1	22	0	33	10	116
Net Other Terminations	-83	-73	-16	-3	0	-1	-1	-177
Disabled July 1, 2009	1,818	1,703	399	150	0	182	36	4,288
Terminated Vested								
Terminated Vested July 1, 2008	664	6	0	487	0	83	23	1,263
New Vested Terminations	45	0	0	122	0	22	5	194
Net Other Terminations	-82	-5	0	-25	0	-7	-2	-121
Terminated Vested July 1, 2009	627	1	0	584	0	98	26	1,336
DROP								
DROP July 1, 2008	1,143	176	153	152	9	9	6	1,648
New DROP Participants	350	95	61	66	1	17	12	602
Net Other Terminations	-429	-63	-57	-60	0	-2	-1	-612
DROP July 1, 2009	1,064	208	157	158	10	24	17	1,638

APPENDIX A MEMBERSHIP INFORMATION

	I	Municipal		Police Fire				
Age	Count	Annual Pensions	Count	Annual Pensions	Count	Annual Pensions		
Under 40	0	\$ -	0	\$ -	0	\$ -		
40-44	0	0	10	132,114	2	16,497		
45-49	0	0	116	2,928,043	21	385,438		
50-54	89	1,775,943	398	10,910,395	78	2,044,003		
55-59	1,182	30,518,096	913	25,276,628	289	9,463,969		
60-64	2,981	77,952,583	1,355	37,330,551	615	20,316,853		
65-69	2,513	55,654,603	1,250	30,912,612	447	13,741,209		
70-74	2,182	41,288,576	773	16,122,858	254	6,768,600		
75-79	1,815	28,556,511	516	10,048,532	128	2,807,052		
80-84	1,469	19,644,501	288	5,402,231	95	1,864,072		
Over 84	1,210	10,711,568	105	1,745,914	120	1,821,116		
Total	13,441	266,102,381	5,724	140,809,878	2,049	59,228,809		

Table A-22Age Distribution of Retired Members as of July 1, 2009

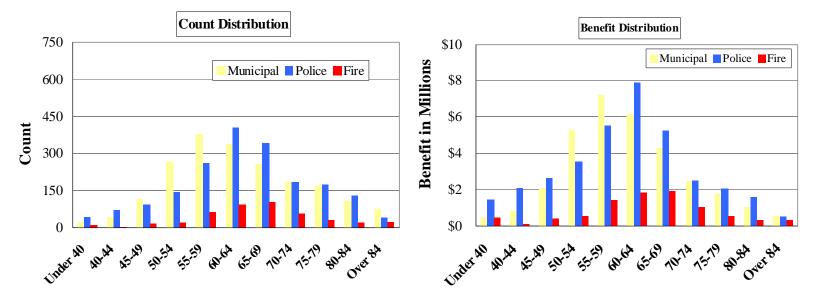




APPENDIX A MEMBERSHIP INFORMATION

Table A-23Age Distribution of Disabled Members as of July 1, 2009

	Ν	Iunicipal		Police		Fire
Age	Count	Annual Pensions	Count	Annual Pensions	Count	Annual Pensions
Under 40	21	\$ 436,587	43	\$ 1,443,467	11	\$ 453,868
40-44	43	841,211	68	2,112,882	4	116,795
45-49	116	2,094,638	94	2,665,242	16	434,409
50-54	268	5,288,514	145	3,574,052	18	538,600
55-59	377	7,198,595	261	5,499,016	63	1,398,032
60-64	339	6,143,684	405	7,884,371	94	1,839,543
65-69	259	4,273,158	341	5,265,939	104	1,901,772
70-74	188	2,484,826	183	2,511,081	56	1,056,073
75-79	172	1,755,910	173	2,054,834	28	536,719
80-84	109	1,050,793	131	1,591,607	20	297,275
Over 84	76	567,501	41	486,615	21	305,233
Total	1,968	32,135,417	1,885	35,089,106	435	8,878,319

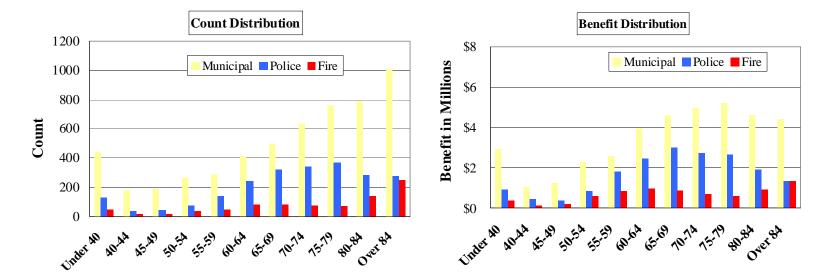


-CHEIRON

APPENDIX A MEMBERSHIP INFORMATION

	N	Iunicip	al		Polie	ce		Fire	<u>!</u>	
Age	Count	Annu	al Pensions	Count	Annual Pensions		Count	Annual Pensions		
Under 40	444	\$	2,933,155	131	\$	916,647	47	\$	364,462	
40-44	176		1,023,590	36		443,528	13		110,386	
45-49	188		1,210,389	41		367,501	16		215,315	
50-54	262		2,284,487	72		848,923	34		580,727	
55-59	289		2,584,925	139		1,820,781	46		825,832	
60-64	414		3,933,228	243		2,463,644	81		974,944	
65-69	500		4,594,317	317		3,021,503	80		869,712	
70-74	634		4,953,845	341		2,732,347	73		670,702	
75-79	760		5,221,615	366		2,647,146	70		585,284	
80-84	788		4,625,082	279		1,884,399	140		928,352	
Over 84	1,011		4,411,978	273		1,356,464	250		1,343,622	
Total	5,466		37,776,611	2,238		18,502,883	850		7,469,338	

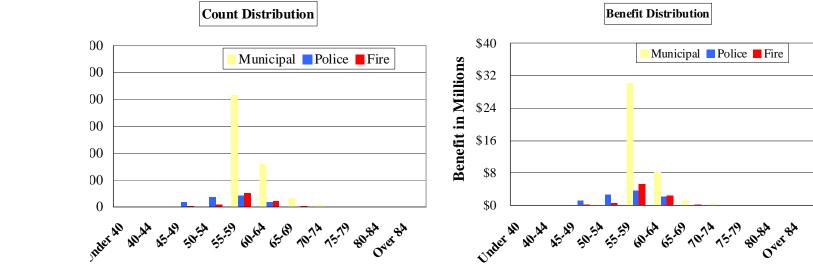
Table A-24Age Distribution of Beneficiaries as of July 1, 2009



APPENDIX A MEMBERSHIP INFORMATION

Table A-25Age Distribution of DROP Participants as of July 1, 2009

Municipal				Police	Fire			
Age	Count	Annual Pensions	Count	Annual Pensions	Count	Annual Pensions		
Under 40	0	\$ -	0	\$ -	0	\$ -		
40-44	0	0	0	0	0	0		
45-49	0	0	36	1,255,098	6	233,940		
50-54	1	41,996	71	2,712,217	17	691,427		
55-59	827	30,100,676	83	3,755,576	104	5,203,333		
60-64	318	8,214,422	38	2,207,462	43	2,374,741		
65-69	64	1,329,928	2	64,246	4	154,046		
70-74	17	416,901	2	148,488	0	0		
75-79	3	142,174	0	0	0	0		
80-84	2	24,271	0	0	0	0		
Over 84	0	0	0	0	0	0		
Total	1,232	40,270,368	232	10,143,087	174	8,657,487		

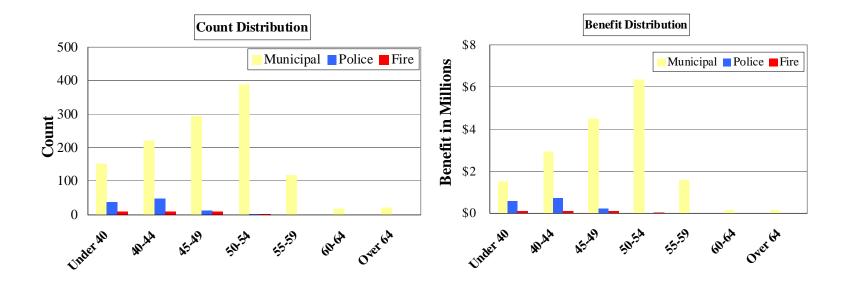


-CHEIRON

APPENDIX A MEMBERSHIP INFORMATION

Table A-26Age Distribution of Terminated Vested Members as of July 1, 2009

	ipal		Polic	e	Fire				
Age	Count	Anr	ual Pensions	Count	Ann	ual Pensions	Count	Ann	ual Pensions
Under 40	151	\$	1,512,928	39	\$	561,901	8	\$	118,954
40-44	221		2,909,859	47		714,519	9		127,900
45-49	294		4,509,904	12		215,572	8		108,590
50-54	389		6,370,544	1		13,436	1		23,383
55-59	117		1,587,100	0		0	0		0
60-64	19		160,507	0		0	0		0
Over 64	20		155,155	0		0	0		0
Total	1,211		17,205,997	99		1,505,428	26		378,827



APPENDIX B SUPPORTING TABLES FOR CITY'S FUNDING POLICY

Appendix B provides supporting information on the amortization payments under the City's Funding Policy by each plan.

Table B-1a Development of the Fiscal Year 2011 Amortization Payment under the City's Funding Policy 1967 Plan - Municipal (\$ thousands)									
	Outst	7/1/2009 anding Balance	Exp	7/1/2010 Dected Balance	Remaining Years		2011 Payment nning-of-Year		2011 Payment End-of-Year
1. Expected Unfunded Actuarial Liability (UAL) as of July 1, 2009 Based on July 1, 2008 Valuation	\$	1,969,874	\$	1,865,698		\$	242,899	\$	262,938
2. Changes in UAL due toa. Actuarial Experienceb. Assumption Changesc. Active Plan Changesd. Inactive Plan Changese. Subtotal	\$	385,426 163,785 - - 549,211	\$ \$	417,224 177,297 - - 594,521	20 20 20 10	\$ 	39,990 16,993 - - 56,983	\$ \$	43,289 18,395 - - 61,684
3. Total [1. + 2e.]	\$	2,519,085	\$	2,460,218		\$	299,882	\$	324,622



Table B-1b Development of the Fiscal Year 2011 Amortization Payment under the City's Funding Policy 1967 Plan - Police (\$ thousands)									
	Outst	7/1/2009 anding Balance		7/1/2010 pected Balance	Remaining Years		2011 Payment inning-of-Year		2011 Payment End-of-Year
1. Expected Unfunded Actuarial Liability (UAL) as of July 1, 2009 Based on July 1, 2008 Valuation	\$	1,079,629	\$	1,013,139		\$	142,544	\$	154,304
 2. Changes in UAL due to a. Actuarial Experience b. Assumption Changes c. Active Plan Changes d. Inactive Plan Changes e. Subtotal 	\$ 	194,807 75,074 - - 269,881	\$ \$	210,878 81,268 - - 292,146	20 20 20 10	\$ \$	20,212 7,789 - - 28,001	\$ \$	21,880 8,432 - - -
3. Total [1. + 2e.]	\$	1,349,510	\$	1,305,285		\$	170,545	\$	184,615



Table B-1c Development of the Fiscal Year 2011 Amortization Payment under the City's Funding Policy 1967 Plan - Fire (\$ thousands)									
	•	7/1/2009	· ·	7/1/2010	Remaining	FY 2	2011 Payment	FY	2011 Payment
	Outsta	nding Balance	Exp	ected Balance	Years	Begi	nning-of-Year	E	Ind-of-Year
 Expected Unfunded Actuarial Liability (UAL) as of July 1, 2009 Based on July 1, 2008 Valuation 	\$	423,616	\$	402,462		\$	52,029	\$	56,321
 2. Changes in UAL due to a. Actuarial Experience b. Assumption Changes c. Active Plan Changes d. Inactive Plan Changes e. Subtotal 	\$ 	85,934 29,915 - - 115,849	\$ 	93,024 32,383 - - 125,407	20 20 20 10	\$ 	8,916 3,104 - - 12,020	\$ 	9,652 3,360 - - 13,012
3. Total [1. + 2e.]	\$	539,466	\$	527,869		\$	64,049	\$	69,333



Table B-1d Development of the Fiscal Year 2011 Amortization Payment under the City's Funding Policy Plan 87 - Municipal									
(\$ thousands)									
		1/2009 ding Balance		//1/2010 cted Balance	Remaining Years		011 Payment ning-of-Year		011 Payment d-of-Year
1. Expected Unfunded Actuarial Liability (UAL) as of July 1, 2009 Based on July 1, 2008 Valuation	\$	87,946	\$	86,636		\$	8,121	\$	8,791
 Changes in UAL due to Actuarial Experience Assumption Changes Active Plan Changes Inactive Plan Changes Subtotal 	\$	98,214 55,132 - 153,346	\$ \$	106,316 59,681 - - 165,997	20 20 20 10	\$ 	10,190 5,720 - - 15,910	\$ \$	11,031 6,192 - - 17,223
3. Total [1. + 2e.]	\$	241,292	\$	252,633		\$	24,031	\$	26,014



Table B-1e Development of the Fiscal Year 2011 Amortization Payment under the City's Funding Policy Plan 87 - Elected									
(\$ thousands)									
		1/2009 ding Balance		/1/2010 eted Balance	Remaining Years		11 Payment ning-of-Year		11 Payment l-of-Year
1. Expected Unfunded Actuarial Liability (UAL) as of July 1, 2009 Based on July 1, 2008 Valuation	\$	4,371	\$	4,251		\$	366	\$	396
 2. Changes in UAL due to a. Actuarial Experience b. Assumption Changes c. Active Plan Changes d. Inactive Plan Changes 	\$	4,268 717 - -	\$	4,621 776 -	20 20 20 10	\$	443 74 - -	\$	479 81 - -
e. Subtotal	\$	4,986	\$	5,397		\$	517	\$	560
3. Total [1. + 2e.]	\$	9,357	\$	9,648		\$	883	\$	956



Table B-1f Development of the Fiscal Year 2011 Amortization Payment under the City's Funding Policy Plan 87 - Police									
(\$ thousands) 7/1/2009 7/1/2010 Remaining FY 2011 Payment FY 2011 Payment									
		7/1/2009 nding Balance		cted Balance	Remaining Years		011 Payment ming-of-Year		011 Payment d-of-Year
1. Expected Unfunded Actuarial Liability (UAL) as of July 1, 2009 Based on July 1, 2008 Valuation	\$	50,026	\$	50,144		\$	3,571	\$	3,866
 2. Changes in UAL due to a. Actuarial Experience b. Assumption Changes c. Active Plan Changes d. Inactive Plan Changes e. Subtotal 	\$	112,332 47,173 - - 159,505	\$	121,599 51,065 - - 172,664	20 20 20 10	\$	11,655 4,894 - - 16,549	\$	12,616 5,298 - - 17,915
3. Total [1. + 2e.]	\$	209,530	\$	222,808		\$	20,120	\$	21,780

Table B-1g Development of the Fiscal Year 2011 Amortization Payment under the City's Funding Policy Plan 87 - Fire									
			(\$ thous	,					
	7/1/20 Outstanding			1/2010 ed Balance	Remaining Years		11 Payment ing-of-Year		11 Payment l-of-Year
1. Expected Unfunded Actuarial Liability (UAL) as of July 1, 2009 Based on July 1, 2008 Valuation	\$	20,189	\$	20,197		\$	1,573	\$	1,703
 Changes in UAL due to Actuarial Experience Assumption Changes Active Plan Changes Inactive Plan Changes Subtotal 	\$	31,858 12,645 - - 44,503	\$ 	34,486 13,688 - - - 48,175	20 20 20 10	\$	3,305 1,312 - - 4,617	\$ 	3,578 1,420 - - 4,998
3. Total [1. + 2e.]	\$ \$	64,692		68,371		÷ \$	6,191		6,702

Table B-1h Development of the Fiscal Year 2011 Amortization Payment under the City's Funding Policy Total - All Divisions (\$ thousands)									
	Outst	7/1/2009 anding Balance		ousands) 7/1/2010 pected Balance	Remaining Years		2011 Payment inning-of-Year		2011 Payment End-of-Year
1. Expected Unfunded Actuarial Liability (UAL) as of July 1, 2009 Based on July 1, 2008 Valuation	\$	3,635,652	\$	3,442,527		\$		\$	488,320
 2. Changes in UAL due to a. Actuarial Experience b. Assumption Changes c. Active Plan Changes d. Inactive Plan Changes e. Subtotal 	\$ 	912,838 384,442 - - 1,297,280	\$ 	988,148 416,158 - - 1,404,306	20 20 20 10	\$	94,711 39,888 - - - 134,599	\$	102,525 43,178 - - - 145,703
3. Total [1. + 2e.]	\$	4,932,932		4,846,832		\$	585,702		634,022



APPENDIX C SUMMARY OF ACTUARIAL ASSUMPTIONS AND METHODS

Data Assumptions and Practices

In preparing our data, we relied, without audit, on information supplied by the City of Philadelphia Municipal Retirement System staff. This information includes, but is not limited to, plan provisions, employee data, and financial information. Our methodology for obtaining the data used for the valuation is based upon the following assumptions and practices:

- We exclude raw active records with dates of hire after the valuation date.
- We include terminated vested records in the valuation data, regardless of whether they have enough service for vesting.
- We delete terminated vested and retired records with values of zero in the benefit field.
- If a participant is found in multiple data files (e.g., both the active and retired data files), based on a match of both employee number and Social Security Number, we first attempt to identify the record with the most recent status change, and keep only that record. If it is not apparent which record is the most recent, we keep the record that generates the highest liability in our valuation system.
- If a participant is found multiple times in the same data file, based on a match of both employee number and Social Security Number, we keep the record that generates the highest liability in our valuation system.
- Valuation pay reflects a load of 4% of pay for police (stress pay) and firefighters (premium pay).
- The date of retirement for a terminated vested participant was set to the valuation date, if the given date was earlier.
- If the payment form field for pensioners is missing, we assume that 1967 Plan members receive a 50% J&S annuity with a return of contributions in excess of payments received upon death of the member, and we assume that Plan 87 members receive a life annuity, also with a return of contributions. However, if the pensioner is a beneficiary or survivor, we assume that they receive a life annuity only.
- For pensioners under the form of payment 50% J&S annuity with return of contributions, 60% are assumed to be married based upon data provided by the City. All other forms of payments are explicitly valued.
- Records with missing dates of birth have their data filled in based on the average for their plan.



APPENDIX C SUMMARY OF ACTUARIAL ASSUMPTIONS AND METHODS

- We assumed that all changes in participant data from last year to this year were valid unless indicated otherwise by System staff.
- DROP participants are assumed to begin payments immediately.
- Service-connected disability benefits are increased by 2.9%.
- For Municipal Plan 1967 participants pay was assumed to be below the Social Security Taxable Wage Base for purposes of determining the aggregate member contribution amount.



APPENDIX C SUMMARY OF ACTUARIAL ASSUMPTIONS AND METHODS

A. Actuarial Assumptions

1. Investment Return Assumption

8.25% compounded annually, net of expenses.

2. Salary Increase Rate

5.0% per year (2.75% due to inflation, 1.5% due to seniority/merit, and 0.75% due to general productivity).

3. Total Annual Payroll Growth

4.0% per year.

4. Administrative Expenses

Annual expected expenses included in this report are \$8,000,000, increasing by 4.0% per year.

5. Rates of Termination

		1967 Plan		Plan 87				
	Muni	icipal	Uniformed	Municipal and Elected Officials	Uniformed			
Age	Male	Female	Unisex	Unisex	Unisex			
20	0.100000	0.105319	0.022050	0.260000	0.030000			
25	0.086000	0.096000	0.021148	0.150000	0.037800			
30	0.072000	0.071562	0.019148	0.105000	0.029900			
35	0.045000	0.056170	0.016148	0.090000	0.025200			
40	0.035000	0.039379	0.012148	0.090000	0.015400			
45	0.030000	0.035597	0.000000	0.075000	0.010000			
50	0.020000	0.022400	0.000000	0.065000	0.000000			
55	0.000000	0.000000	0.000000	0.050000	0.000000			

We assume that a vested employee who terminates will elect a pension deferred to service retirement age as long as their age plus years of service at termination are greater than or equal to 55 (45 for police and fire employees in the 1967 Plan). Otherwise we assume they elect a refund of member contributions.



APPENDIX C SUMMARY OF ACTUARIAL ASSUMPTIONS AND METHODS

6. Rates of Disability

	Municipal and l	Elected Officials	Uniformed
Age	Male	Female	Unisex
20	0.000025	0.000043	0.000795
25	0.000070	0.000061	0.000870
30	0.000557	0.000263	0.001418
35	0.001514	0.000620	0.001918
40	0.001800	0.001314	0.001934
45	0.003840	0.002359	0.002334
50	0.007600	0.004285	0.002654
55	0.008680	0.007088	0.000000

For municipal and elected members, we assume that 70% of all disabilities are ordinary and 30% are service-connected. For police and fire members, we assume that 50% are ordinary and 50% are service-connected.

7. Rates of Pre-Retirement Mortality (GAM 94)

	All Di	visions
Age	Male	Female
20	0.000507	0.000284
25	0.000661	0.000291
30	0.000801	0.000351
35	0.000851	0.000478
40	0.001072	0.000709
45	0.001578	0.000973
50	0.002579	0.001428
55	0.004425	0.002294
60	0.007976	0.004439
65	0.014535	0.008636

For municipal and elected members, we assume that 98.5% of all deaths are ordinary, with 1.5% service-connected. For police and fire members, 92% are assumed to be ordinary and 8% service-connected.



APPENDIX C SUMMARY OF ACTUARIAL ASSUMPTIONS AND METHODS

8. Rates of Post-Retirement Mortality

We assume that mortality for healthy inactive lives will follow 150% of the GAM 94 Mortality Table for males and females as appropriate, except that mortality for male municipal members is assumed to follow 140% of the GAM 94 Mortality Table.

9. Rates of Post-Disability Mortality

The rates of mortality for retired disabled lives are assumed to be the same as those for healthy inactive lives, adjusted by application of the following adjustment factors shown below.

Post-Disablement Mortality Adjustment Factors <u>Municipal and Elected Officials</u> <u>Uniformed</u>					
Age	Male	Female	Age	Unisex	
47 and younger	7.3	11.7	42 and younger	2.8	
50	6.8	10.5	45	2.0	
55	5.6	7.4	50	1.3	
60	3.6	4.9	55	1.2	
65	2.4	3.4	60 and up	1.0	
70	2.1	1.9			
75	1.7	1.3			
80	1.2	1.2			
83 and up	1.0	1.0			



APPENDIX C SUMMARY OF ACTUARIAL ASSUMPTIONS AND METHODS

Rates of Retirement

Rates of Service Retirement - 1967 Plan					
	Municipal	Uniformed			
Age					
45-49	-	0.08			
50-53	-	0.12			
54	-	0.17			
55	0.35	0.20			
56	0.20	0.20			
57-61	0.12	0.20			
62	0.40	0.20			
63-69	0.20	0.20			
70 and up	1.00	1.00			

	Rates of Service Retirement - Plan 87							
	Municipal and I	Elected Officials	Uniformed					
Age	First Year Eligible	Subsequent Years	First Year Eligible	Subsequent Years				
40-51	-	-	0.300	0.125				
52	0.450	0.060	0.300	0.140				
53	0.420	0.060	0.300	0.150				
54	0.390	0.060	0.300	0.170				
55	0.360	0.060	0.300	0.190				
56	0.330	0.060	0.300	0.215				
57	0.300	0.060	0.300	0.225				
58	0.300	0.060	0.300	0.225				
59	0.300	0.080	0.300	0.230				
60	0.300	0.100	0.300	0.230				
61	0.350	0.150	0.300	0.245				
62	0.430	0.300	0.300	0.295				
63	0.500	0.187	0.300	0.265				
64	0.500	0.199	0.300	0.260				
65	0.600	0.309	0.300	1.000				
66	0.600	0.232	-	-				
67	0.600	0.214	-	-				
68	0.600	0.214	-	-				
69	0.600	0.238	-	-				
70	0.600	1.000	-	-				



APPENDIX C SUMMARY OF ACTUARIAL ASSUMPTIONS AND METHODS

10. Family Composition Assumptions

70% of active members and 60% of non-active members are assumed to be married for retirees with the 50% J&S with return on contribution form of payment only. Male spouses are assumed to be four years older than female spouses.

11. Changes Since Last Valuation

- The interest rate assumption decreased from 8.75% to 8.25%.
- Administrative expenses increased from \$7.5 million to \$8.0 million.



APPENDIX C SUMMARY OF ACTUARIAL ASSUMPTIONS AND METHODS

B. Actuarial Methods

1. Actuarial Funding Method

The Entry Age Normal actuarial funding method was used for active employees, whereby the normal cost is computed as the level annual percentage of pay required to fund the retirement benefits between each member's date of hire and assumed retirement. The actuarial liability is the difference between the present value of future benefits and the present value of future normal cost. The unfunded actuarial liability is the difference between the actuarial liability and the actuarial value of assets.

2. Funding Methods

City's Funding Policy:

The initial July 1, 1985 UAL is amortized over 34 years ending June 30, 2019, with payments increasing at 4% per year, the assumed payroll growth. Other changes in the actuarial liability are amortized in level-dollar payments as follows:

- Actuarial gains and losses 20 years beginning July 1, 2009. Prior to July 1, 2009, gains and losses were amortized over 15 years
- Assumption changes 20 years
- Plan changes for active members 20 years
- Plan changes for inactive members 10 years

MMO:

For the purposes of the MMO under Act 205, the initial July 1, 1985 UAL is amortized over 40 years ending June 30, 2026, with payments increasing at 4% per year, the assumed payroll growth. A July 2004 amendment to Act 205 allowed for the portion of the July 1, 2003 UAL attributable to 2001 and 2002 calendar year investment returns to be amortized over 30 rather than 15 years. All other amortization periods are consistent with the City's Funding Policy as outlined above. Possible contribution deferrals for FY 2010 permitted under Act 44 were not reflected within this report.

3. Asset Valuation Method

The actuarial value of assets (AVA) is determined using an adjusted market value. Under this method, a preliminary AVA is determined as the market value of assets on the valuation date, minus the existing balance of the Pension Adjustment Fund (PAF) rolled forward at the current year's market rate of return, minus a decreasing fraction (4/5, 3/5, 2/5, 1/5) of the investment gain or loss in each of the preceding four years for gains and losses prior to July 1, 2009. Beginning July 1, 2009, investment gains and losses are recognized over a ten year period prospectively, creating the decreasing faction to be (9/10, 8/10, 7/10, etc). The gain or loss for a given year is the difference between the actual investment return (on a market-to-market basis) and the assumed investment return based on the market value of assets at the beginning of the year and actual cash flow. The AVA is adjusted, if necessary, to remain between 80% and 120% of the market value net of the PAF. The final AVA is determined by subtracting the additional transfer amount (if any) to the PAF.



APPENDIX C SUMMARY OF ACTUARIAL ASSUMPTIONS AND METHODS

4. Changes Since Last Valuation

- Asset Valuation Method: Investment gains and losses are smoothed over a ten year period prospectively beginning with investment returns from July 1, 2008 through June 30, 2009.
- **Funding Method:** The amortization period of actuarial gains and losses was extended from 15 years to 20 years.



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1967 PLAN

This summary of plan provisions provides an overview of the major provisions of the pension plans used in the actuarial valuation. It is not intended to replace the more precise language of the retirement code, and if there is any difference between the description of the plans herein and the actual text of the retirement code, the retirement code will govern.

1. Participation

Municipal (Plan J):

Full-time employees participate on their date of employment. Temporary employees participate after completing six months employment. Participation is limited to employees hired before January 8, 1987. District Council 47 (Local 2186 or 2187) and 33 members hired between January 8, 1987 and October 1, 1992 were switched from Plan 87 to 1967 Plan effective on their hire dates, provided such employees contributed the difference between what they paid to the Plan and the amount they would have paid under Plan J.

Uniformed (Plans D and X): Same as municipal.

2. Credited Service

Municipal (Plan J):

Credited service means the period of employment with the City during which the employee makes contributions to the Retirement System. Certain leaves of absence may also be credited.

Uniformed (Plans D and X): Same as municipal.

3. Total Compensation

Municipal (Plan J):

Total compensation means the base rate of pay, longevity payments, and overtime received during a 12-month period.

Uniformed (Plans D and X):

Total compensation means the base rate of pay, longevity payments, and stress or premium pay (up to 4% of base pay) received during a 12-month period.

4. Final Compensation

Municipal (Plan J):

Final compensation means whichever is greater: annual base rate of pay at the time of termination or the total compensation received during the 12 months immediately preceding



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1967 PLAN

termination, including supplementary compensation received under Civil Service Regulation No. 32.

Uniformed (Plans D and X): Same as municipal.

5. Average Final Compensation

Municipal (Plan J):

Average final compensation means the arithmetic average of the total compensation received during the three calendar or anniversary years that produce the highest average.

Uniformed (Plans D and X):

Average final compensation means the highest of:

- The total compensation received during the 12-month period; or
- The annual base rate of pay, excluding longevity payments, calculated from the final pay period; or
- The arithmetic average of the total compensation received during five calendar years of employment.

6. Employee Contributions

Municipal (Plan J):

Each employee who participates in the Social Security System contributes 3 3/4% of total compensation up to the taxable wage base (\$102,000 in 2008 and \$106,800 in 2009) and 6% of total compensation above the taxable wage base to the Retirement System.

Each employee who does not participate in the Social Security System contributes 6% of his total compensation to the Retirement System.

Uniformed (Plans D and X): 6% of total compensation to the Retirement System.

7. Service Retirement

Eligibility

Municipal (Plan J):

Each municipal employee is eligible to retire and receive a service pension at age 55 with one year of service.



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1967 PLAN

Uniformed (Plans D and X):

Each uniformed employee is eligible to retire and receive a service pension at age 45.

Benefit Amount

Municipal (Plan J):

The service pension equals 2 1/2% of the employee's average final compensation multiplied by credited service to a maximum of 20 years plus 2% of the employee's average final compensation multiplied by credited service above 20, to a maximum of 80% of the employee's average final compensation.

Uniformed (Plans D and X):

The service pension equals 2 1/2% of the employee's average final compensation multiplied by credited service, subject to a maximum of 100% of average final compensation.

8. Early Retirement

Eligibility

Municipal (Plan J):

Each municipal employee is eligible to retire and receive a reduced service pension at age 52 if he has 10 or more years of credited service.

Uniformed (Plans D and X):

Each uniformed employee is eligible to retire and receive a reduced service pension at age 40 if he or she has 10 or more years of credited service.

Benefit Amount

Municipal (Plan J):

The annual amount is calculated the same as service retirement, reduced by 1/2 of 1% for each month the employee is younger than minimum retirement age.

Uniformed (Plans D and X): Same as municipal.

9. Deferred Vested Retirement

Eligibility

Municipal (Plan J):

A terminating employee who has completed 10 or more years of credited service is eligible for a deferred vested retirement benefit.



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1967 PLAN

Uniformed (Plans D and X): Same as municipal.

Benefit Amount

Municipal (Plan J):

The annual deferred vested benefit is determined the same as service pensions, using average final compensation and credited service at termination. This benefit begins at service retirement date. If the member dies before the deferred vested benefit begins, an ordinary death benefit is payable (see Ordinary Death below). As an alternative before benefits begin, a plan member who is terminating employment may ask to have employee contributions returned (without interest) instead of receiving the deferred vested benefit.

Uniformed (Plans D and X): Same as municipal.

10. Withdrawal Benefit

Municipal (Plan J):

Each employee terminating who has completed less than 10 years of credited service will receive a withdrawal benefit equal to his or her employee contributions (without interest).

Uniformed (Plans D and X): Same as municipal.

11. Service-Connected Death

<u>Eligibility</u>

Municipal (Plan J):

The beneficiary of each active employee who dies solely from the performance of duties of the employee's position with the City is eligible for an immediate death benefit.

Uniformed (Plans D and X): Same as municipal.

Benefit Amount

Municipal (Plan J):

The death benefit equals total employee contributions paid to the Retirement System, plus a yearly payment of 60% of the employee's final compensation reduced by any death benefits payable under the Worker's Compensation Act.



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1967 PLAN

This benefit is payable to the spouse until his or her death. Dependent children are entitled to an additional yearly payment of 10% of final compensation for each dependent child (up to two children) until the child reaches age 18. If there is no spouse, or if the spouse dies or remarries, each dependent child (up to three children) is entitled to receive a yearly payment of 25% of final compensation until the child reaches age 18.

If there are no spouse or dependent children, each dependent parent is entitled to receive a yearly payment of 15% of final compensation for life.

Uniformed (Plans D and X): Same as municipal.

12. Ordinary Death

Eligibility

Municipal (Plan J):

The beneficiary of an active employee (or a terminated vested employee who did not withdraw employee contributions) who dies after completing 10 years of credited service or reaches age 55 is eligible for an immediate death benefit equal to a yearly pension or a lump sum payment. The beneficiary of an active employee who dies before completing 10 years of credited service and reaches age 55 is eligible for a lump sum payment.

The beneficiary may be any relative by blood or marriage.

Uniformed (Plans D and X):

The beneficiary of any employee who dies while actively employed (or a terminated vested employee who did not withdraw employee contributions) is eligible for a death benefit equal to a yearly pension or a lump sum payment.

The beneficiary may be any relative by blood or marriage.

Annual Pension

Municipal (Plan J):

The annual ordinary death pension, payable for life, is equal to the regular service pension the employee would have received if eligible to retire on the day before he died and had elected Option 2, joint and 100% contingent annuitant (see Survivor Benefits below).

Uniformed (Plans D and X):

The annual ordinary death pension, payable for life, is equal to the regular service pension the employee would have received (based on a minimum of 10 years of service) had the person been eligible to retire on the day before dying and had elected Option 2, joint and 100% contingent annuitant (see Survivor Benefits below).



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1967 PLAN

Lump Sum Payment

Municipal (Plan J):

The lump sum payment is equal to 10% of the deceased employee's average final compensation multiplied by years of credited service to a maximum of 10, plus the deceased employee's contributions to the Retirement System, minus the total amount of the deceased employee's City-paid life insurance.

Uniformed (Plans D and X): Same as municipal.

13. Service-Connected Disability

Eligibility

Municipal (Plan J):

An active employee found by the Board of Pensions and Retirement to be mentally or physically permanently incapacitated (unable to perform duties) solely as the result of accident or injury during the performance of duties is eligible for an immediate service-connected disability pension.

Uniformed (Plans D and X): Same as municipal.

Benefit Amount

Municipal (Plan J):

The service-connected disability benefit is equal to the employee's Retirement System contributions, plus a yearly benefit of 70% of the employee's final compensation, reduced by any disability benefits payable under the Worker's Compensation Act. If he or she withdraws contributions, the benefit is payable for his or her lifetime only.

If the employee leaves employee contributions with the Retirement System, he or she may choose a survivor benefit option (see Survivor Benefit below) and the beneficiary will continue receiving benefit payments after his or her death.

Uniformed (Plans D and X): Same as municipal.



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1967 PLAN

14. Service-Connected Disability Periodic Adjustment

<u>Eligibility</u>

Municipal (Plan J):

An employee who is receiving a service-connected disability benefit who is totally disabled and does not collect Social Security disability insurance benefits is eligible for a periodic adjustment.

Uniformed (Plans D and X):

Same as municipal, but only applies to police employees.

Benefit Amount

Municipal (Plan J):

The disabled employee's pension will be increased in the eighth year after separation by the percentage raise given in the previous year to active employees in his or her job class. The adjustment will continue each year thereafter until the employee's 65th birthday.

Uniformed (Plans D and X): Same as municipal.

15. Ordinary Disability

Eligibility

Municipal (Plan J):

An active employee found by the Board to be mentally or physically permanently incapacitated from the further performance of duties due to an accident or illness not caused by the performance of duties is eligible for an immediate ordinary disability benefit after completing 10 years of credited service.

Uniformed (Plans D and X):

Same as municipal, except that fire employees only need five years of credited service and police employees have no service requirement if the disability is permanent and total. Police employees with permanent and partial disability need 10 years of credited service.

Benefit Amount

Municipal (Plan J):

The annual ordinary disability benefit is equal to the benefit determined under the service pension formula using average final compensation and credited service as of the date of disablement. If the employee is eligible for or receiving workers' compensation, no benefit is payable. Such employee may apply for benefits at retirement age.



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1967 PLAN

Uniformed (Plans D and X):

Same as municipal, except police employees that have no service requirement are credited with a minimum of 10 years of credited service. Same as municipal.

16. Survivor Benefit

Municipal (Plan J):

Service pensions, deferred vested benefits, service-connected disability benefits (if employee contributions are left on deposit), and ordinary disability benefits are payable under four optional forms. Options 1, 2, and 3 provide benefits actuarially equivalent to a lifetime only pension while Option 4 has no reduction.

Option 1 - A benefit is payable to the employee with the provision that upon death, the beneficiary will receive a lump sum equal to the excess, if any, of the employee's contributions over the sum of the payments received.

Option 2 –A reduced benefit payable to the employee with the provision that 100% of the reduced benefit will be paid to the designated beneficiary for life after the death of the employee.

Option 3 –Same as Option 2 except only 50% of the reduced benefit is continued to the designated beneficiary.

Option 4 - Upon the employee's death, 50% of the benefit will continue to be paid to the surviving spouse for life, provided the employee and spouse were married for two years before retirement and at death. If there is no eligible spouse at the time the employee dies, or the spouse dies before the full amount of the contributions have been returned, 50% of the benefit is continued to dependent children until age 18, or if no dependent children, payments are given to dependent parents for the remainder of their lives. In addition, Option 4 provides for a guaranteed return of employee contributions as described in Option 1 above.

Uniformed (Plans D and X): Same as municipal.

17. Minimum Pension

Municipal (Plan J):

The monthly minimum pension to a pensioner is equal to \$25 multiplied by the number of the pensioner's completed years of credited service, to a 10 year maximum.

Uniformed (Plans D and X):

The monthly minimum pension to pensioners is \$500. The monthly minimum pension to all other pensioners is \$440 providing such pension will increase to \$500 at the time the pensioner reaches age 60.



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1967 PLAN

18. Waiver of Benefit

Municipal (Plan J):

Any employee at service retirement age with less than three but more than one year of credited service, may waive the right to receive a monthly benefit and in lieu thereof, receive a lump sum payment of twice his or her employee contributions without interest.

Uniformed (Plans D and X): Same as municipal.

19. Service-Connected Health Care Benefit

Municipal (Plan J): Not applicable.

Uniformed (Plans D and X):

If a uniformed employee dies during the performance of duties, a service-connected health care benefit may be payable to the surviving spouse and dependent children. Regular payments will be made of the appropriate cost of maintaining medical, dental, optical, and prescription drug benefits that were in force at the time of the employee's death. Payments to the spouse cease upon remarriage and to dependent children at age 18 (age 22 if full-time student) or, if dependent due to physical or mental infirmity, the duration of the infirmity. The health care benefits are not paid from the pension trust assets.

20. Deferred Retirement Option Plan (DROP)

Municipal (Plan J):

Employees that have ten years of service and reached the minimum retirement age may elect to participate in the DROP. During this time, their accrued benefit will go into a DROP account and will earn interest at a specified rate (4.5% as of July 1, 2007). The benefit is calculated as of the date they entered the DROP. At the end of the DROP, the employees' accrued monthly benefit will commence, plus they will receive the accumulated amount of the accrued benefit paid to the DROP, as well as the interest earned on such benefit.

Uniformed (Plans D and X): Same as municipal.



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1987 PLAN

1. Participation

Municipal:

Full-time employees participate on their date of employment. Temporary employees participate after completing six months of employment. Participation is limited to employees hired on or after January 8, 1987. Any member of the 1967 Plan may irrevocably elect to participate in Plan 87.

Uniformed (Plans A and B): Same as municipal.

Elected:

Any City employee on or after January 8, 1987, in any general, municipal, or special election, participates in this Plan.

2. Credited Service

Municipal:

Credited service means the period of employment with the City during which the employee makes contributions to the Retirement System. Certain leaves of absence may also be credited.

Uniformed (Plans A and B): Same as municipal.

Elected: Same as municipal.

3. Total Compensation

Municipal:

Total compensation means the base rate of pay, overtime, and longevity payments received during a 12-month period.

Uniformed (Plans A and B):

Total compensation means the base rate of pay, longevity payments, and stress or premium pay (up to 4% of base pay) received during a 12-month period.

Elected:

Total compensation means the base rate of pay and longevity payments received during a 12-month period.



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1987 PLAN

4. Final Compensation

Municipal:

Final compensation means whichever is greater: annual base rate of pay at the time of termination or the total compensation received during the 12 months immediately preceding termination, including supplementary compensation received under Civil Service Regulation No. 32.

Uniformed (Plans A and B): Same as municipal.

Elected: Same as municipal.

5. Average Final Compensation

Municipal:

Average final compensation means the arithmetic average of the total compensation received during the three calendar or anniversary years producing the highest average.

Uniformed (Plans A and B):

Average final compensation means the arithmetic average of the total compensation received during the two calendar or anniversary years producing the highest average.

Elected: Same as municipal.

6. Employee Contributions

Municipal:

Total employee contributions equal 30% of the gross normal cost for all members in the municipal division. Exempt and non-represented employees hired after January 13, 1999 (and current employees as of January 13, 1999 that elect to do so) will contribute an additional amount to become vested in five years.

Uniformed (Plans A and B):

Total employee contributions equal 5% of total compensation, but not less than 30% or greater than 50% of gross normal cost for members in the uniformed division. Exempt and non-represented employees hired after January 13, 1999 (and current employees as of January 13, 1999 that elect to do so) will contribute an additional amount to become vested in five years.

Elected:

Total employee contributions equal 30% of the gross normal cost for all members in the elected division calculated under the municipal plan plus 100% of the gross normal cost that exceeds the cost for the municipal plan. Employees hired after January 13, 1999 (and current



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1987 PLAN

employees as of January 13, 1999 that elect to do so) will contribute an additional amount to become vested in the lesser of two full terms or eight years.

7. Service Retirement

Eligibility

Municipal:

Each municipal employee is eligible to retire and receive a service pension at age 60 if he or she has 10 or more years of credited service or, if the employee made additional contributions to become vested in five years, five years of credited service.

Uniformed (Plans A and B):

Each uniformed employee is eligible to retire and receive a service pension upon reaching age 50 and 10 or more years of credited service, or, if the employee made additional contributions to become vested in five years, five years of credited service.

Elected:

Each elected official is eligible to retire and receive a service pension at age 55 if he or she has 10 or more years of credited service, or, if the employee made additional contributions to become vested in the lesser or two full terms or eight years, the lesser of two full terms or eight years of credited service.

Benefit Amount

Municipal:

The service pension equals 2.2% of the employee's average final compensation for the first 10 years of credited service, plus 2% of the employee's average final compensation multiplied by years of service over 10, subject to a maximum of 100% of average final compensation.

Uniformed (Plans A and B):

The service pension equals 2.2% of the employee's average final compensation multiplied by years of credited service to a maximum of 20 years, plus 2% of the employee's average final compensation multiplied by years of credited service over 20, subject to a maximum of 100% of average final compensation.

Elected:

The service pension equals 3.5% of the employee's average final compensation multiplied by years of credited service, subject to a maximum of 100% of average final compensation.



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1987 PLAN

8. Early Retirement

Eligibility

Municipal:

Each municipal employee is eligible to retire and receive a reduced service pension at age 52 if he has 10 or more years of credited service. As an alternative, a member is eligible if he or she has at least 33 years of credited service, regardless of age.

Uniformed (Plans A and B):

Each uniformed employee is eligible to retire and receive a reduced service pension at age 40 if he or she has 10 or more years of credited service. Alternatively, a member is eligible if he has at least 25 years of credited service, regardless of age.

Benefit Amount

Municipal:

The annual amount is calculated the same as service retirement, reduced by 1/2 of 1% for each month the employee is younger than minimum retirement age. Benefits are not reduced if the employee has 33 or more years of credited service.

Uniformed (Plans A and B):

The annual amount is calculated the same as service retirement, reduced by 1/2 of 1% for each month the employee is younger than minimum retirement age. Benefits are not reduced if the employee has 25 or more years of credited service.

Elected:

The annual amount is calculated the same as service retirement, reduced by 1/2 of 1% for each month the employee is younger than minimum retirement age.

9. Deferred Vested Retirement

Eligibility

Municipal:

An employee who terminates employment after completing 10 or more years of credited service or, if the employee made additional contributions to become vested in five years, five years of credited service, is eligible for a deferred vested retirement if his or her contributions have not been withdrawn.

Uniformed (Plans A and B): Same as municipal.

Elected:

A person terminating employment and who has completed 10 or more years of credited service, or, if the employee made additional contributions to become vested in the lesser of



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1987 PLAN

two full terms or eight years, two full terms or eight years of credited service is eligible for a deferred vested retirement benefit provided he or she has not withdrawn contributions.

<u>Benefit</u>

Municipal:

The annual deferred vested benefit is determined the same as service pensions, based on average final compensation and credited service at termination. This benefit begins at the service retirement date. If a member dies before the deferred vested benefit begins, an ordinary death benefit is payable (see Ordinary Death below). As an alternative, the person terminating employment may request at any time before benefits begin a return of employee contributions (without interest) instead of the deferred vested benefit.

Uniformed (Plans A and B): Same as municipal.

Elected: Same as municipal.

10. Withdrawal Benefit

<u>Eligibility</u>

Municipal:

Each terminating employee who has completed fewer than 10 years of credited service (or, if the employee made additional contributions to become vested in five years, fewer than five years of credited service) will receive a withdrawal benefit equal to employee contributions (without interest).

Uniformed (Plans A and B): Same as municipal.

Elected:

Each terminating employee who completed fewer than 10 years of credited service will receive a withdrawal benefit equal to employee contributions (without interest).

11. Service Connected Death

<u>Eligibility</u>

Municipal:

The beneficiary of each active employee who dies solely from the performance of duties of the employee's position with the City is eligible for an immediate death benefit.

Uniformed (Plans A and B): Same as municipal.



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1987 PLAN

Elected: Same as municipal.

Benefit Amount

Municipal:

The death benefit equals the sum of the total employee contributions paid to the Retirement System (without interest), plus a yearly payment of 60% of the employee's final compensation reduced by any death benefits payable under the Workers' Compensation Act. This benefit is payable to the spouse until his or her death or remarriage, whichever occurs first. Dependent children are entitled to an additional 10% of final compensation yearly payment for each dependent child (up to two children) until the child reaches 18. This total benefit shall not exceed 80% of final compensation.

If there is no spouse, or if the spouse dies or remarries, each dependent child (up to three children) is eligible for a yearly payment of 25% of final compensation until the child reaches age 18. If there is no spouse or dependent children, each dependent parent is entitled to a 15% of final compensation yearly payment for life.

Uniformed (Plans A and B): Same as municipal.

Elected: Same as municipal.

12. Ordinary Death

<u>Eligibility</u>

Municipal:

The beneficiary of an active employee (or a terminated vested employee who did not withdraw his employee contributions) who dies after completing 10 years of credited service (or five years of credited service if additional contributions were made) or who has reached age 60 is eligible for an immediate death benefit equal to an annual pension or a lump sum payment, whichever the beneficiary chooses.

The beneficiary of an active employee who dies before completing 10 years of credited service (or five years of credited service if additional contributions were made) or reaching age 60 is eligible for a lump sum payment.

The beneficiary may be any relative by blood or marriage.



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1987 PLAN

Uniformed (Plans A and B):

The beneficiary of any employee who dies while actively employed (or a terminated vested employee who did not withdraw employee contributions) is eligible for a death benefit equal to an annual pension or a lump sum payment, whichever the beneficiary chooses.

The beneficiary may be any relative by blood or marriage.

Elected:

The beneficiary of an active employee (or a terminated vested employee who did not withdraw contributions) who dies after completing 10 years of credited service or reaching age 55 is eligible for an immediate death benefit equal to an annual pension or a lump sum payment, whichever the beneficiary chooses.

The beneficiary of an active employee who dies before completing 10 years of credited service or reaching age 55 is eligible for a lump sum payment.

The beneficiary may be any relative by blood or marriage.

Annual Pension

Municipal:

The annual ordinary death pension, payable for life, is equal to the regular service pension the employee would have received had he or she been eligible to retire on the day before death and had elected Option 2, joint and 100% contingent annuitant (see Survivor Benefits below).

Uniformed (Plans A and B):

The annual ordinary death pension, payable for life, is equal to the regular service pension the employee would have received (based on a minimum of 10 years of service) had he been eligible to retire on the day before death and had elected Option 2, joint and 100% contingent annuitant (see Survivor Benefits below).

Elected: Same as municipal.

Lump Sum Payment

Municipal:

The lump sum payment is equal to the deceased employee's average final compensation multiplied by years of credited service (not to exceed the service in the denominator) and divided by the number of years of credited service needed to become vested, plus the deceased employee's contribution to the Retirement System (without interest) minus the total amount of the deceased employee's life insurance which was paid by the City.

Uniformed (Plans A and B): Same as municipal.



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1987 PLAN

Elected: Same as municipal.

13. Service-Connected Disability

Eligibility

Municipal:

An active employee found by the Board of Pensions and Retirement to be mentally or physically permanently incapacitated from any further performance of duties due solely to the result of the performance of duties is eligible for an immediate service-connected disability pension. The application for benefit must be made within one year after termination of employment.

Uniformed (Plans A and B): Same as municipal.

Elected:

An active employee found by the Board of Pensions and Retirement to be mentally or physically permanently incapacitated from any further performance of duties due solely to the result of the performance of duties is eligible for an immediate service-connected disability pension.

Benefit Amount

Municipal:

The service-connected disability benefit is equal to the employee's contributions to the Retirement System, plus a yearly benefit of 70% of the employee's final compensation, reduced by any disability benefits payable under the Worker's Compensation Act.

If he or she withdraws contributions, the benefit is payable for his or her lifetime only.

If the employee leaves employee contributions with the Retirement System, he or she may choose a survivor benefit option (see Survivor benefit below) and the beneficiary will continue receiving benefit payments after his or her death.

Uniformed (Plans A and B) Same as municipal.

Elected: Same as municipal.



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1987 PLAN

14. Service-Connected Disability Periodic Adjustment

Eligibility

Municipal:

An employee who is receiving a service-connected disability benefit who is totally disabled and does not collect Social Security disability insurance benefits is eligible for a periodic adjustment.

Uniformed (Plans A and B): Same as municipal, but only applies to police employees.

Elected: Same as municipal.

Benefit Amount

Municipal:

The disabled employee's pension will be increased in the eighth year after separation by the percentage raise given in the previous year to active employees in his or her job class. The adjustment will continue each year until the employee's 65th birthday.

Uniformed (Plans A and B): Same as municipal.

Elected: Same as municipal.

15. Ordinary Disability

<u>Eligibility</u>

Municipal:

An active employee found by the Board to be mentally or physically permanently incapacitated from the further performance of duties due to an accident or illness not caused by the performance of duties is eligible for an immediate ordinary disability benefit provided he or she has at least 10 years of credited service (or five years of credited service, if additional contributions were made). The application for benefits must be made within one year after termination.

Uniformed (Plans A and B):

Same as municipal, except that fire employees only need five years of credited service and police employees have no service requirement if the disability is permanent and total. Police employees with permanent and partial disability need 10 years of credited service (or five years of credited service, if additional contributions were made).



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1987 PLAN

Elected:

An active employee found by the Board to be mentally or physically permanently incapacitated from the further performance of duties due to an accident or illness not caused by the performance of duties is eligible for an immediate ordinary disability benefit provided he or she has completed at least 10 years of credited service, or eight years if additional contributions were made.

Benefit Amount

Municipal:

The annual ordinary disability benefit is equal to the benefit determined under the service pension formula using average final compensation and credited service as of the date of disablement.

If the employee is eligible for or receiving workers compensation, no benefit is payable. Such employee may apply for benefits at retirement age.

Uniformed (Plans A and B):

Same as municipal, except each eligible employee is automatically credited with a minimum of 10 years of service to calculate the annual benefit.

Elected:

The annual ordinary disability benefit is equal to the benefit determined under the service pension formula using average final compensation and credited service as of the date of disablement.

16. Survivor Benefits

Eligibility

Municipal:

Service pensions, deferred vested benefits, service-connected disability benefits, and ordinary disability benefits are payable under three optional forms. Options 2 and 3 provide benefits actuarially equivalent to a lifetime only pension while Option 1 has no reduction.

Option 1 - A benefit is payable to the employee providing on his death, the beneficiary will receive a lump sum equal to the excess, if any, of the employee's contributions over the sum of the payments received.

Option 2 - A reduced benefit payable to the employee with the provision that 100% of the reduced benefit will continue to be paid to the designated beneficiary for life after the death of the employee.

Option 3 - The same as Option 2 except only 50% of the reduced benefit is continued to the designated beneficiary.



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1987 PLAN

Uniformed (Plans A and B):

Same as municipal, except that fire employees may also elect Option 4:

Option 4 - Upon the employee's death, 50% of the benefit will continue to be paid to the surviving spouse for life, provided the employee and spouse were married for two years before retirement and at death. If there is no eligible spouse at the time the employee dies, or the spouse dies before the full amount of the contributions have been returned, 50% of the benefit is continued to dependent children until age 18, or if no dependent children, payments are given to dependent parents for the remainder of their lives. In addition, Option 4 provides for a guaranteed return of employee contributions as described in Option 1 above.

Elected: Same as municipal.

17. Service-Connected Health Care Benefit

Eligibility

Municipal: Not applicable.

Uniformed (Plans A and B):

In the event of the death of a uniformed employee during the performance of his or her duties, a service-connected health care benefit may be payable to the surviving spouse and dependent children. Regular payments will be made of the appropriate cost of maintaining medical, dental, optical and pharmaceutical prescription benefits in force at the time of the employee's death. Payments to the spouse cease upon remarriage and to dependent children at age 18 (age 22 if a full-time student) or, if dependent due to physical or mental infirmity, the duration of the infirmity. The health care benefits are not paid from the pension trust assets.

Elected: Not applicable.

18. Deferred Retirement Option Plan (DROP)

Eligibility

Municipal:

Employees that have 10 years of service and reached the minimum retirement age may elect to participate in the DROP. During this time, their accrued benefit will go into a DROP account and will earn interest at a specified rate (4.5% as of July 1, 2009). The benefit is calculated as of the date they entered the DROP. At the end of the DROP, the employees' accrued monthly benefit will commence, plus they will receive the accumulated amount of the accrued benefit paid to the DROP, as well as the interest earned on such benefit.

Uniformed (Plans A and B): Same as municipal.



APPENDIX D SUMMARY OF PLAN PROVISIONS – 1987 PLAN

Elected:

Same as municipal.



APPENDIX E GLOSSARY OF TERMS

1. Actuarial Liability

The Actuarial Liability is the difference between the present value of all future system benefits and the present value of total future normal costs. This is also referred to by some actuaries as the "accrued liability" or "actuarial liability."

2. Actuarial Assumptions

Estimates of future experience with respect to rates of mortality, disability, turnover, retirement rate or rates of investment income and salary increases. Actuarial assumptions (rates of mortality, disability, turnover and retirement) are generally based on past experience, often modified for projected changes in conditions. Economic assumptions (salary increases and investment income) consist of an underlying rate in an inflation-free environment plus a provision for a long-term average rate of inflation.

3. Accrued Service

Service credited under the System which was rendered before the date of the actuarial valuation.

4. Actuarial Equivalent

A single amount or series of amounts of equal actuarial value to another single amount or series of amounts, computed on the basis of appropriate actuarial assumptions.

5. Actuarial Funding Method

A mathematical budgeting procedure for allocating the dollar amount of the actuarial present value of a retirement system benefit between future normal cost and actuarial accrued liability. Sometimes this is referred to as the "actuarial funding method."

6. Actuarial Gain (Loss)

The difference between actual experience and actuarial assumption anticipated experience during the period between two actuarial valuation dates.

7. Actuarial Present Value

The amount of funds currently required to provide a payment or series of payments in the future. It is determined by discounting future payments at predetermined rates of interest, and by probabilities of payment.



APPENDIX E GLOSSARY OF TERMS

8. Amortization

This term represents the paying off an interest-discounted amount with periodic payments of interest and principal—as opposed to paying off with a lump sum payment.

9. Annual Required Contribution (ARC) under GASB 25

The Governmental Accounting Standards Board (GASB) Statement No. 25 defines the Plan Sponsor's "Annual Required Contribution" (ARC) that must be disclosed annually and is defined in accordance with the City's Funding Policy.

10. Normal Cost

The actuarial present value of retirement system benefits allocated to the current year by the actuarial funding method.

11. Unfunded Actuarial Liability (UAL)

The difference between actuarial liability and valuation assets. This is sometimes referred to as "unfunded actuarial accrued liability."

Most retirement systems have unfunded actuarial liabilities. They typically arise each time new benefits are added and each time experience gains/losses are realized.

The existence of unfunded actuarial accrued liability is not in itself an indicator of poor funding. Also, unfunded actuarial liabilities do not represent a debt that is payable today. What is important is the ability of the plan sponsor to contribute the annual amortized cost to fund down the unfunded actuarial liability and the trend in unfunded actuarial liability amount.

