CITY OF ATLANTA FIREFIGHTERS' PENSION FUND

Actuarial Valuation
As of July 1, 2013

DETERMINES THE CONTRIBUTION FOR THE 2014/15 FISCAL YEAR



TABLE OF CONTENTS

		Page
Discussion		1
Funding Res	ults	
Table I-A	Minimum Required Contribution	1-1
Table I-B	Sensitivity Analysis	1-2
Table I-C	Gain and Loss Analysis	1-3
Table I-D	Present Value of Future Benefits	1-4
Table I-E	Present Value of Accrued Benefits	1-5
Table I-F	Present Value of Vested Benefits	1-6
Table I-G	Entry Age Normal Accrued Liability	1-7
Table I-H	Entry Age Normal Cost	1-8
Accounting I	Results	
Table II-A	GASB 25/27 Results	11-1
Table II-B	GASB 25/27 Disclosures	11-2
Table II-C	SFAS 35 Disclosures	11-3
Assets		
Table III-A	Actuarial Value of Assets	111-1
Table III-B	Market Value of Assets	111-2
Table III-C	Investment Return	111-3
Table III-D	Asset Reconciliation	111-4
Table III-E	Historical Trust Fund Detail	111-5
<u>Data</u>		
Table IV-A	Summary of Participant Data	IV-1
Table IV-B	Active Participant Data	IV-2
Table IV-C	Active Age-Service Distribution	IV-3
Table IV-D	Active Age-Service-Salary Table	IV-4
Table IV-E	Inactive Participant Data	IV-5
Table IV-F	Projected Benefit Payments	IV-6
Methods & A	ssumptions	
Table V-A	Summary of Actuarial Methods and Assumptions	V-1
Table V-B	Changes in Actuarial Methods and Assumptions	V-3
Plan Provision	ons	
Table VI-A	Summary of Plan Provisions	VI-1
Table VI-B	Summary of Plan Amendments	VI-8



March 6, 2014

Introduction

This report presents the results of the July 1, 2013 actuarial valuation of the City of Atlanta Firefighters' Pension Fund. This valuation is based upon the participant data provided as of July 1, 2013 by the plan administrator and asset information provided as of June 30, 2013 by the plan auditor. Except for a cursory review for reasonableness, we have not attempted to verify the accuracy of this information.

The primary purpose of this report is to provide a summary of the funded status of the plan as of July 1, 2013 and to determine the minimum required contribution under Georgia Code Section 47-20-10 for the City's 2014/15 fiscal year. In addition, this report provides a projection of the long-term funding requirements of the plan, accounting disclosures pursuant to Governmental Accounting Standards Board Statement Nos. 25 and 27 (GASB 25/27), statistical information concerning the assets held in the trust, statistical information concerning the participant population, and a summary of any recent plan changes.

The liabilities and cost presented in this report are based on numerous assumptions concerning the cost of benefits to be provided in the future, long-term investment returns, and the future demographic experience of the current participants. Anyone referring to this report should remember that the cost developed herein is only an <u>estimate</u> of the true cost of providing post-employment pension benefits. No one can predict with certainty whether the true cost will be higher or lower than the cost presented in this report. The calculated cost is entirely dependent upon the assumptions that are described in Table V-A. If any of the assumptions is changed, then the cost shown in this report will change accordingly. Likewise, if any of the assumptions is not completely realized, then the cost shown in this report will change in the future.

Certain assumptions play a bigger role than others in determining the cost of the post-employment pension benefits. In some cases, relatively small changes in a particular assumption can have a dramatic impact on the anticipated cost of benefits. Although a thorough analysis of the impact of such changes is beyond the scope of this report, Table I-B illustrates the impact that alternative long-term investment returns would have on the minimum required contribution rate.

Minimum Required Contribution

Table I-A shows the development of the minimum required contribution for the City's 2014/15 fiscal year. The minimum required contribution rate is 44.70% of covered payroll, which represents a decrease of 1.71% of payroll from the prior valuation.

Table I-C provides a breakdown of the sources of change in the contribution rate. Significantly, the rate decreased by 4.72% of payroll due to investment gains, decreased by another 3.43% of payroll due to demographic experience, and increased by 6.44% of payroll due to the assumption changes described below. The market value of assets earned



14.70% during the 2012/13 plan year, whereas a 7.75% annual investment return was required to maintain a stable contribution rate.

Georgia Code Section 47-20-10 sets forth many of the rules concerning the minimum required contribution for public pension plans within the state. Essentially, the City will meet the minimum funding requirement if the employer contributions are at least equal to the annual required contribution under GASB 25/27. In addition, Georgia Code Section 47-20-13 exempts public plan sponsors from the minimum funding requirements if the plan's actuarial value of assets exceeds 150% of the present value of accumulated retirement system benefits.

Based on the current assets, participant data, and actuarial assumptions and methods that are used to value the plan, the present-day value of the total long-term funding requirement is \$880,224,771. As illustrated in Table I-A, current assets are sufficient to cover \$561,450,000 of this amount, the employer's expected contribution for the 2013/14 plan year will cover \$20,831,440 of this amount, the employer's expected contribution for the 2014/15 plan year will cover \$20,865,907 of this amount, and future employee contributions will cover \$43,957,389 of this amount, leaving \$233,120,035 to be covered by future employer funding. Again, demographic and investment experience that differs from that assumed will either increase or decrease the future employer funding requirement.

Contents of the Report

Tables I-D through I-G provide a detailed breakdown of various liability amounts by type of benefit and by participant group. Tables II-A through II-C provide information needed by both the plan's and the employer's accountants in order to prepare the relevant financial statements that cover the period July 1, 2013 through June 30, 2014. Tables III-A through III-F provide information concerning the assets of the trust fund. Specifically, Table III-A shows the development of the actuarial value of assets, which is based on the market value. Tables IV-A through IV-F provide statistical information concerning the plan's participant population. In particular, Table IV-F gives a 10-year projection of the cash that is expected to be required from the trust fund in order to pay benefits to the current group of participants. Finally, Tables V-A through VI-B provide a summary of the actuarial assumptions and methods that are used to value the plan's benefits and of the relevant plan provisions as of July 1, 2013, as well as a summary of the changes that have occurred since the previous valuation report was prepared.

Assumption Changes

Since the previous valuation report was prepared, two assumptions have been changed. First, the assumed interest (or discount) rate has been decreased from 7.75% per annum to 7.50% per annum. Second, the mortality basis was changed from the RP-2000 Mortality Table, projected to 2007 by Scale AA, to the RP-2000 Mortality Table, projected to 2015 by Scale AA, both as published by the Internal Revenue Service (IRS) for purposes of Internal Revenue Code (IRC) section 430. The combined effect of the assumption changes was to increase the minimum required contribution rate by 6.44% of payroll.



GASB 67/68

A new accounting standard, the Governmental Accounting Standards Board Statements Nos. 67 and 68 (GASB 67/68), will become effective for the plan's financial statements as of June 30, 2014 and will become effective for the City's financial statements as of June 30, 2015. GASB 67/68 replaces GASB 25/27 and makes major changes to the calculation of the accounting cost of the pension plan and mandates numerous new disclosures. A separate GASB 67/68 report will be prepared that will provide the accounting cost of the plan for the 2013/14 plan year.

Certification

This actuarial valuation was prepared by me or under my direct supervision and I acknowledge responsibility for the results. To the best of my knowledge, the results are complete and accurate and, in my opinion, the techniques and assumptions used are reasonable and meet the requirements and intent of Georgia Code Section 47-20-10. There is no benefit or expense to be provided by the plan and/or paid from the plan's assets for which liabilities or current costs have not been established or otherwise taken into account in the valuation. All known events or trends which may require a material change in plan costs or required contribution rates have been taken into account in the valuation.

For the firm,

Charles T. Carr

Consulting Actuary

Southern Actuarial Services Company, Inc.

Enrolled Actuary No. 11-04927

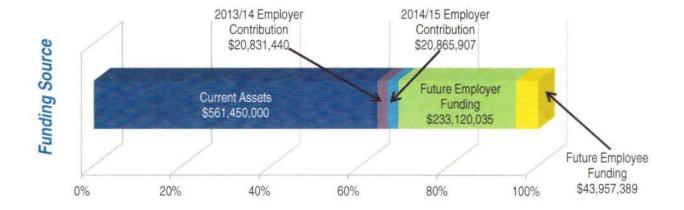
Chal J. Cm

The individual above is a member of the American Academy of Actuaries and meets the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein.



Minimum Required Contribution

Table I-A



For the 2014/15 Fiscal Year

Minimum Required Contribution Rate	44.70%
Expected Payroll for the 2014/15 Fiscal Year	÷ \$46,681,099
Preliminary Employer Contribution for the 2014/15 Fiscal Year	\$20,865,907
One Year's Interest Charge/(Credit) on the Remaining Contribution	\$2,405
	x 0.075
Remaining Contribution Due/(Credit) for the 2013/14 Plan Year	\$32,062
Expected Employer Contribution for the 2013/14 Plan Year	(\$20,831,440)
	\$20,863,502
Adjustment to Reflect Semi-Monthly Employer Contributions	\$766,878
Expected Employee Contribution for the 2013/14 Plan Year	(\$5,229,181)
Expense Allowance for the 2013/14 Plan Year	\$224,428
Unfunded Liability Amortization Payment for the 2013/14 Plan Year	\$12,057,185
Entry Age Normal Cost for the 2013/14 Plan Year	\$13,044,192

(The actual contribution should be based on the minimum required contribution rate multiplied by the actual payroll for the fiscal year.)

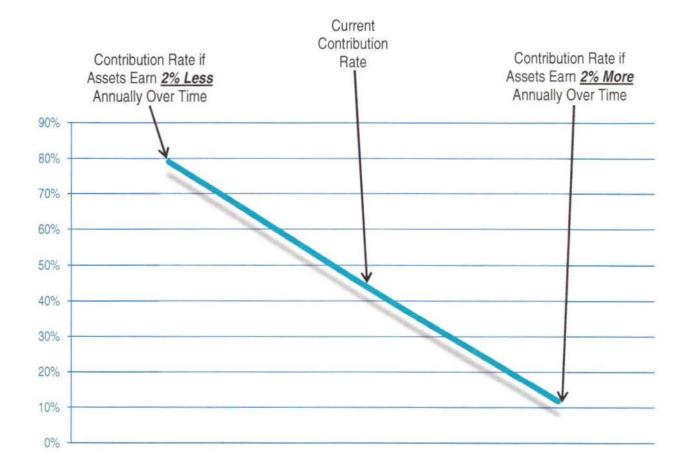
Additional Disclosures

Present Value of Future Compensation	\$377,192,481
Present Value of Future Employer Contributions	\$274,817,382
Present Value of Future Employee Contributions	\$43,957,389



Sensitivity Analysis

Table I-B



The line above illustrates the sensitivity of the contribution rate to changes in the long-term investment return.



Gain and Loss Analysis

Table I-C

Source of Change in the Contribution Rate

Previous minimum required contribution rate	46.41%
Increase (decrease) due to investment gains and losses	-4.72%
Increase (decrease) due to demographic experience	-3.43%
Increase (decrease) due to plan amendments	0.00%
Increase (decrease) due to actuarial assumption changes	6.44%
Increase (decrease) due to actuarial method changes	0.00%
Current minimum required contribution rate	44.70%

Source of Change in the Unfunded Liability

Previous unfunded liability	\$222,111,073
Increase due to interest	\$17,213,608
Decrease due to amortization payments	(\$12,040,362)
Increase (decrease) due to plan experience	(\$35,260,473)
Increase (decrease) due to plan amendments	\$0
ncrease (decrease) due to actuarial assumption changes	\$31,721,244
Increase (decrease) due to actuarial method changes	\$0
Current unfunded liability	\$223,745,090



Present Value of Future Benefits

Table I-D

	Old Assumptions w/o Amendment	Old Assumptions w/ Amendment	New Assumptions w/ Amendment
Actively Employed Participants			
Retirement benefits	\$267,442,115	\$267,442,115	\$282,187,705
Termination benefits	\$12,432,309	\$12,432,309	\$13,281,855
Disability benefits	\$13,535,282	\$13,535,282	\$13,908,048
Death benefits	\$3,060,811	\$3,060,811	\$4,407,221
Refund of employee contributions	\$346,546	\$346,546	\$348,042
Sub-total	\$296,817,063	\$296,817,063	\$314,132,871
Deferred Vested Participants			
Retirement benefits	\$1,629,334	\$1,629,334	\$1,708,195
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	\$1,629,334	\$1,629,334	\$1,708,195
Due a Refund of Contributions	\$0	\$0	\$0
<u>Deferred Beneficiaries</u>	\$606,458	\$606,458	\$641,584
Retired Participants			
Service retirements	\$426,916,331	\$426,916,331	\$443,776,382
Disability retirements	\$72,469,400	\$72,469,400	\$75,314,338
Beneficiaries receiving	\$41,240,642	\$41,240,642	\$42,765,439
DROP participants	\$0	\$0	\$0
Sub-total	\$540,626,373	\$540,626,373	\$561,856,159
Grand Total	\$839,679,228	\$839,679,228	\$878,338,809



Present Value of Accrued Benefits

Table I-E

	Old Assumptions w/o Amendment	Old Assumptions w/ Amendment	New Assumptions w/ Amendment
Actively Employed Participants			
Retirement benefits	\$155,917,576	\$155,917,576	\$163,587,130
Termination benefits	\$6,659,727	\$6,659,727	\$7,096,609
Disability benefits	\$9,620,625	\$9,620,625	\$9,848,555
Death benefits	\$2,031,814	\$2,031,814	\$2,821,825
Refund of employee contributions	\$150,490	\$150,490	\$150,857
Sub-total	\$174,380,232	\$174,380,232	\$183,504,976
Deferred Vested Participants			
Retirement benefits	\$1,629,334	\$1,629,334	\$1,708,195
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	\$1,629,334	\$1,629,334	\$1,708,195
Due a Refund of Contributions	\$0	\$0	\$0
<u>Deferred Beneficiaries</u>	\$606,458	\$606,458	\$641,584
Retired Participants			
Service retirements	\$426,916,331	\$426,916,331	\$443,776,382
Disability retirements	\$72,469,400	\$72,469,400	\$75,314,338
Beneficiaries receiving	\$41,240,642	\$41,240,642	\$42,765,439
DROP participants	\$0	\$0	\$0
Sub-total	\$540,626,373	\$540,626,373	\$561,856,159
Grand Total	\$717,242,397	\$717,242,397	\$747,710,914



Present Value of Vested Benefits

Table I-F

	Old Assumptions w/o Amendment	Old Assumptions w/ Amendment	New Assumptions w/ Amendment
Actively Employed Participants			
Retirement benefits	\$139,147,077	\$139,147,077	\$145,888,643
Termination benefits	\$6,165,476	\$6,165,476	\$6,548,777
Disability benefits	\$9,620,625	\$9,620,625	\$9,848,555
Death benefits	\$2,005,921	\$2,005,921	\$2,768,537
Refund of employee contributions	\$503,551	\$503,551	\$510,875
Sub-total	\$157,442,650	\$157,442,650	\$165,565,387
Deferred Vested Participants			
Retirement benefits	\$1,629,334	\$1,629,334	\$1,708,195
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	\$1,629,334	\$1,629,334	\$1,708,195
Due a Refund of Contributions	\$0	\$0	\$0
<u>Deferred Beneficiaries</u>	\$606,458	\$606,458	\$641,584
Retired Participants			
Service retirements	\$426,916,331	\$426,916,331	\$443,776,382
Disability retirements	\$72,469,400	\$72,469,400	\$75,314,338
Beneficiaries receiving	\$41,240,642	\$41,240,642	\$42,765,439
DROP participants	\$0	\$0	\$0
Sub-total	\$540,626,373	\$540,626,373	\$561,856,159
Grand Total	\$700,304,815	\$700,304,815	\$729,771,325



Entry Age Normal Accrued Liability

Table I-G

	Old Assumptions w/o Amendment	Old Assumptions w/ Amendment	New Assumptions w/ Amendment
Actively Employed Participants			
Retirement benefits	\$191,739,590	\$191,739,590	\$200,491,032
Termination benefits	\$8,182,389	\$8,182,389	\$8,715,460
Disability benefits	\$8,365,648	\$8,365,648	\$8,509,890
Death benefits	\$2,160,338	\$2,160,338	\$3,108,961
Refund of employee contributions	\$163,716	\$163,716	\$163,809
Sub-total	\$210,611,681	\$210,611,681	\$220,989,152
Deferred Vested Participants			
Retirement benefits	\$1,629,334	\$1,629,334	\$1,708,195
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	\$1,629,334	\$1,629,334	\$1,708,195
Due a Refund of Contributions	\$0	\$0	\$0
Deferred Beneficiaries	\$606,458	\$606,458	\$641,584
Retired Participants			
Service retirements	\$426,916,331	\$426,916,331	\$443,776,382
Disability retirements	\$72,469,400	\$72,469,400	\$75,314,338
Beneficiaries receiving	\$41,240,642	\$41,240,642	\$42,765,439
DROP participants	\$0	\$0	\$0
Sub-total	\$540,626,373	\$540,626,373	\$561,856,159
Grand Total	\$753,473,846	\$753,473,846	\$785,195,090
less Actuarial Value of Assets	(\$561,450,000)	(\$561,450,000)	(\$561,450,000)
Unfunded Accrued Liability	\$192,023,846	\$192,023,846	\$223,745,090



Entry Age Normal Cost

Table I-H

	Old Assumptions w/o Amendment	Old Assumptions w/ Amendment	New Assumptions w/ Amendment
Actively Employed Participants			
Retirement benefits	\$10,192,511	\$10,192,511	\$10,883,247
Termination benefits	\$722,805	\$722,805	\$767,474
Disability benefits	\$1,050,189	\$1,050,189	\$1,084,784
Death benefits	\$155,563	\$155,563	\$214,898
Refund of employee contributions	\$93,257	\$93,257	\$93,789
Sub-total	\$12,214,325	\$12,214,325	\$13,044,192
Deferred Vested Participants			
Retirement benefits	\$0	\$0	\$0
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	\$0	\$0	\$0
Due a Refund of Contributions	\$0	\$0	\$0
<u>Deferred Beneficiaries</u>	\$0	\$0	\$0
Retired Participants			
Service retirements	\$0	\$0	\$0
Disability retirements	\$0	\$0	\$0
Beneficiaries receiving	\$0	\$0	\$0
DROP participants	\$0	\$0	\$0
Sub-total	\$0	\$0	\$0
Grand Total	\$12,214,325	\$12,214,325	\$13,044,192



GASB 25/27 Results

Table II-A

Development of the Net Pension Obligation (Asset)

Net Pension Obligation (Asset) as of July 1, 2013	\$0
Net Increase (Decrease) in NPO	\$0
Employer Contributions for the 2012/13 Plan Year	(\$17,491,000)
Annual Pension Cost for the 2012/13 Plan Year	\$17,491,000
Net Pension Obligation (Asset) as of July 1, 2012	\$0

For the 2014/15 Plan Year

Development of the Annual Required Contribution (ARC)

Annual Required Contribution (ARC)	\$20,865,907
Interest Adjustment	\$769,283
Amortization of the Net Pension Obligation (Asset)	\$0
Expense Allowance	\$224,428
Amortization of the UAAL	\$12,057,185
Employer Normal Cost	\$7,815,011

Development of the Annual Pension Cost (APC)

\$20,865,907
\$0
\$0
\$20,865,907



GASB 25/27 Disclosures

Table II-B

Schedule of Employer Contributions

	Annual		Annual	
Year Ended	Required	%	Pension	%
June 30	Contribution	Contrib.	Cost	Contrib
2008	\$26,373,000	100%	\$26,373,000	100%
2009	\$28,752,000	100%	\$28,752,000	100%
2010	\$25,865,000	100%	\$25,865,000	100%
2011	\$24,912,000	100%	\$24,912,000	100%
2012	\$21,092,000	100%	\$21,092,000	100%
2013	\$17,491,000	100%	\$17,491,000	100%

Schedule of Funding Progress

	(1)	(2)	(3)	(4)	(5)	(6)
		Actuarial				UAAL
Actuarial	Actuarial	Accrued	Unfunded			as % of
Valuation	Value of	Liability	AAL	Funded	Covered	Covered
Date	Assets	(AAL)	(UAAL)	Ratio	Payroll	Payroll
			(2) - (1)	$(1) \div (2)$		$(3) \div (5)$
January 1, 2009	\$408,090,000	\$708,347,000	\$300,257,000	57.61%	\$43,275,000	693.83%
January 1, 2010	\$422,791,314	\$699,174,482	\$276,383,168	60.47%	\$43,910,390	629.43%
January 1, 2011	\$481,640,221	\$732,356,772	\$250,716,551	65.77%	\$42,963,376	583.56%
July 1, 2011	\$509,590,000	\$730,535,169	\$220,945,169	69.76%	\$39,482,064	559.61%
July 1, 2012	\$505,692,000	\$727,803,073	\$222,111,073	69.48%	\$42,797,394	518.98%
July 1, 2013	\$561,450,000	\$785,195,090	\$223,745,090	71.50%	\$44,885,672	498.48%

Additional Information

Valuation Date July 1, 2013

Actuarial Cost Method Entry age normal

Amortization Method Level percentage, closed

Remaining Amortization Period 28 years

Asset Valuation Method Market value

Discount Rate 7.50%

Salary Increase Rate 4.00%



SFAS 35 Disclosures

Table II-C

Actuarial Present Value of Accrued Benefits

	As of July 1, 2012	As of July 1, 2013
Vested Benefits		
Participants currently receiving benefits	\$514,623,370	\$561,856,159
Other participants	\$151,459,241	\$167,915,166
Sub-total	\$666,082,611	\$729,771,325
Non-Vested Benefits	\$16,010,460	\$17,939,589
<u>Total Benefits</u>	\$682,093,071	\$747,710,914
Funded Percentage	74.14%	75.09%
(based on the market value of assets)		

Statement of Change in Actuarial Present Value of Accrued Benefits

Actuarial Present Value as of July 1, 2012	\$682,093,071
Increase (Decrease) Due To:	
Interest	\$52,862,213
Benefits accumulated	\$22,467,113
Benefits paid	(\$40,180,000)
Plan amendments	\$0
Changes in actuarial methods and assumptions	\$30,468,517
Net increase (decrease)	\$65,617,843
Actuarial Present Value as of July 1, 2013	\$747,710,914



Actuarial Value of Assets

Table III-A

Market Value of Assets	as of July 1, 2013	\$561,450,000
------------------------	--------------------	---------------

Minus advance employer contributions \$0

Actuarial Value of Assets as of July 1, 2013 \$561,450,000

Historical Actuarial Value of Assets

January 1, 2005	N/A
January 1, 2006	N/A
January 1, 2007	N/A
January 1, 2008	\$340,075,000
January 1, 2009	\$408,090,000
January 1, 2010	\$422,791,314
January 1, 2011	\$481,640,221
January 1, 2012	\$509,590,000
July 1, 2012	\$505,692,000
July 1, 2013	\$561,450,000

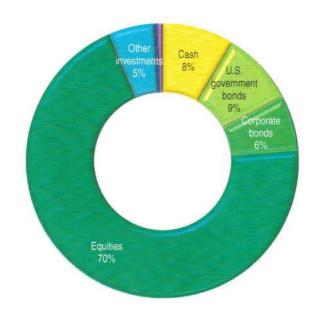


Market Value of Assets

Table III-B

As of July 1, 2013

Market Value of Assets	\$561,450,000
Cash	\$48,240,000
U.S. government bonds	\$49,634,000
Corporate bonds	\$36,763,000
Equities	\$396,461,000
Other investments	\$30,942,000
Interest receivable	\$1,142,000
Other receivables	\$29,000
Employer contribution receivable	\$1,044,000
Employee contribution receivable	\$244,000
Due to brokers	(\$2,896,000)
Other accounts payable	(\$153,000)



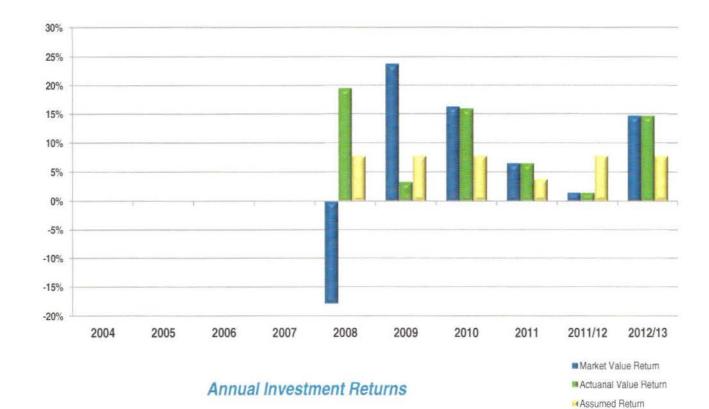
Historical Market Value of Assets

motoriou market	Value of Assets
January 1, 2005	N/A
January 1, 2006	N/A
January 1, 2007	N/A
January 1, 2008	\$411,686,841
January 1, 2009	\$339,458,639
January 1, 2010	\$421,599,215
January 1, 2011	\$481,640,221
January 1, 2012	\$509,590,000
July 1, 2012	\$505,692,000
July 1, 2013	\$561,450,000



Investment Return

Table III-C



Plan	Market Value	Actuarial Value	Assumed
Year	Return	Return	Return
2004	N/A	N/A	N/A
2005	N/A	N/A	N/A
2006	N/A	N/A	N/A
2007	N/A	N/A	N/A
2008	-17.86%	19.54%	7.75%
2009	23.77%	3.28%	7.75%
2010	16.33%	16.00%	7.75%
2011	6.52%	6.52%	3.80%
2011/12	1.49%	1.49%	7.75%
2012/13	14.70%	14.70%	7.75%
5.5yr. Avg.	7.21%	11.01%	7.75%



Asset Reconciliation		Table III-D
	Market Value	Actuarial Value
As of July 1, 2012	\$505,692,000	\$505,692,000
Increases Due To:		
Employer Contributions	\$17,491,000	\$17,491,000
Employee Contributions	\$5,676,000	\$5,676,000
Total Contributions	\$23,167,000	\$23,167,000
Interest and Dividends	\$11,134,000	
Gains (Losses) Total Investment Income	\$64,208,000 \$75,342,000	\$73,072,000
Other Income	\$17,000	
Total Income	\$98,526,000	\$96,239,000
Decreases Due To:		
Benefit Payments	(\$40,180,000)	(\$40,180,000)
Total Benefit Payments	(\$40,180,000)	(\$40,180,000)
Investment Expenses Administrative Expenses	(\$2,287,000) (\$301,000)	(\$301,000)
Advance Employer Contribution		\$0
Total Expenses	(\$42,768,000)	(\$40,481,000)
As of July 1, 2013	\$561,450,000	\$561,450,000



Historical Trust Fund Detail

Table III-E

Income

Plan	Employer	Employee	Interest /	Gains /	Other
Year	Contribs.	Contribs.	Dividends	Losses	Income
2004	N/A	N/A	N/A	N/A	N/A
2005	N/A	N/A	N/A	N/A	N/A
2006	N/A	N/A	N/A	N/A	N/A
2007	N/A	N/A	N/A	N/A	N/A
2008	\$28,752,000	\$2,920,034	\$11,864,299	-\$82,726,401	\$476,858
2009	\$22,826,650	\$3,566,186	\$11,622,333	\$70,709,177	\$469,298
2010	\$23,803,695	\$3,496,705	\$10,227,517	\$60,161,207	\$152,680
2011	\$12,456,000	\$1,785,000	\$4,531,000	\$27,924,279	\$0
2011/12	\$21,092,000	\$4,891,000	\$10,283,000	-\$324,000	\$75,000
2012/13	\$17,491,000	\$5,676,000	\$11,134,000	\$64,208,000	\$17,000

Expenses

Other Actuarial Adjustments

				Advance
Plan	Benefit	Admin.	Invest.	Employer
Year	<u>Payments</u>	Expenses	Expenses	Contribs.
200	4 N/A	N/A	N/A	N/A
200	5 N/A	N/A	N/A	N/A
200	6 N/A	N/A	N/A	N/A
200	7 N/A	N/A	N/A	N/A
200	8 \$29,504,175	\$735,779	\$3,275,038	\$0
200	9 \$24,722,331	\$379,592	\$1,951,145	\$0
201	0 \$35,226,102	\$230,473	\$2,344,223	\$0
201	1 \$17,573,000	\$24,500	\$1,149,000	\$0
2011/1	2 \$37,333,000	\$60,000	\$2,522,000	\$0
2012/1	3 \$40,180,000	\$301,000	\$2,287,000	\$0

Note: Amounts shown for the 2011 short plan year are estimated.

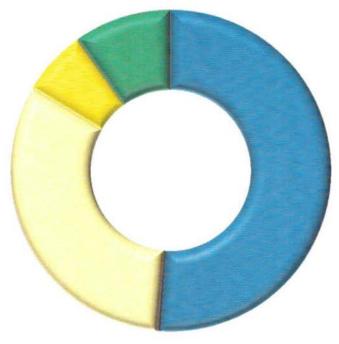


2,048

Summary of Participant Data

Table IV-A

As of July 1, 2013



Partici	nant	Distribution	by Status
raille	parit	DISTIDUTION	by Status

Actively Employed Participants	
Active Participants	1,045
DROP Participants	0
Inactive Participants	
Deferred Vested Participants	7
Due a Refund of Contributions	0
Deferred Beneficiaries	2
Participants Receiving a Benefit	
Service Retirements	657
Disability Retirements	137
Beneficiaries Receiving	200

Total Participants

	Active	DROP	Inactive	Retired	Total
January 1, 2005	901	0	0	749	1,650
January 1, 2006	861	0	0	814	1,675
January 1, 2007	997	0	0	863	1,860
January 1, 2008	991	0	0	918	1,909
January 1, 2009	896	0	0	1,002	1,898
January 1, 2010	864	0	0	924	1,788
January 1, 2011	830	0	3	966	1,799
January 1, 2012	884	0	3	1,001	1,888
July 1, 2012	849	0	3	992	1.844
July 1, 2013	1,045	0	9	994	2,048



Active Participant Data

Male

■ Female

Table IV-B

Gender Mix 2% 98%

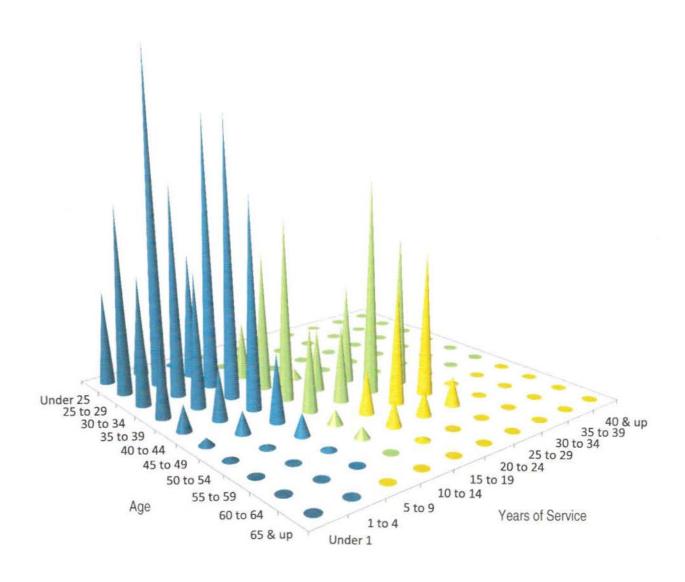
As of July 1, 2013

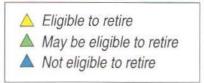
Average Age
Average Service
Total Annualized Compensation for the Prior Year
Total Expected Compensation for the Current Year
Average Increase in Compensation for the Prior Year
Expected Increase in Compensation for the Current Year
Accumulated Contributions for Active Employees
38.1 years
9.6 years
\$44,885,672
N/A

\$44,885,672
\$44,00%

				Average	Average
				Expected	Actual
	Average	Average	Average	Salary	Salary
	Age	Service	Salary	Increase	Increase
January 1, 2005	41.6	15.1	\$46,708	N/A	N/A
January 1, 2006	41.4	14.7	\$53,415	4.50%	6.50%
January 1, 2007	39.9	13.1	\$55,881	4.00%	8.42%
January 1, 2008	40.2	13.2	\$52,130	4.00%	1.60%
January 1, 2009	40.4	13.4	\$51,624	4.00%	1.81%
January 1, 2010	40.8	12.8	\$50,638	4.00%	7.92%
January 1, 2011	40.5	12.2	\$52,793	4.00%	7.42%
January 1, 2012	39.2	11.1	\$43,527	1.98%	N/A
July 1, 2012	39.8	11.9	\$52,217	4.00%	N/A
uly 1, 2013	38.1	9.6	\$41,912	4.00%	N/A









Active Age-Service-Salary Table

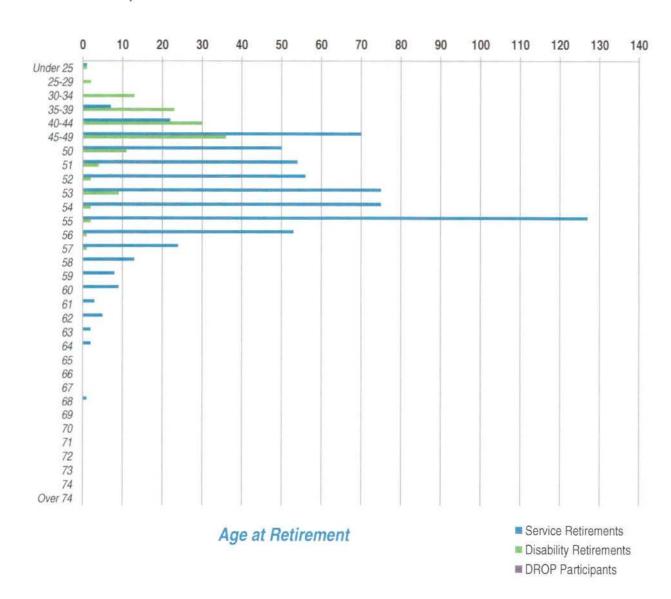
Table IV-D

Attained					Complet	ed Years o	f Service				
Age	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 & up	Total
Under 25	26	24	1	0	0	0	0	0	0	0	51
Avg.Pay	18,532	31,096	35,374	0	0	0	0	0	0	0	24,774
25 to 29	51	91	35	0	0	0	0	0	0	0	177
Avg.Pay	15,483	32,999	35,580	0	0	0	0	0	0	0	28,463
30 to 34	35	57	74	16	0	0	0	0	0	0	182
Avg.Pay	15,923	34,046	38,391	42,335	0	0	0	0	0	0	33,056
35 to 39	21	36	74	38	3	0	0	0	0	0	172
Avg.Pay	18,613	35,683	43,141	47,324	50,819	0	0	0	0	0	39,643
40 to 44	7	14	56	49	17	27	0	0	0	0	170
Avg.Pay	20,207	33,829	43,707	47,427	58,845	60,956	0	0	0	0	47,252
45 to 49	2	6	18	23	21	58	41	0	0	0	169
Avg.Pay	13,328	38,029	42,625	44,305	57,325	63,896	61,565	0	0	0	56,065
50 to 54	1	1	6	4	12	33	39	1	0	0	97
Avg.Pay	25,013	165,385	39,925	55,467	55,218	60,205	61,633	59,648	0	0	59,428
55 to 59	0	0	1	3	7	7	8	0	0	0	26
Avg.Pay	0	0	40,163	42,291	51,300	54,724	53,505	0	0	0	51,432
60 to 64	0	0	0	0	1	0	0	0	0	0	1
Avg.Pay	0	0	0	0	52,750	0	0	0	0	0	52,750
65 & up	0	0	0	0	0	0	0	0	0	0	0
Avg.Pay	0	0	0	0	0	0	0	0	0	0	0
Total	143	229	265	133	61	125	88	1	0	0	1,045
Avg.Pay	16,873	34,243	40,787	46,371	56,248	61,773	60,863	59,648	0	0	41,912



Inactive Participant Data

Table IV-E



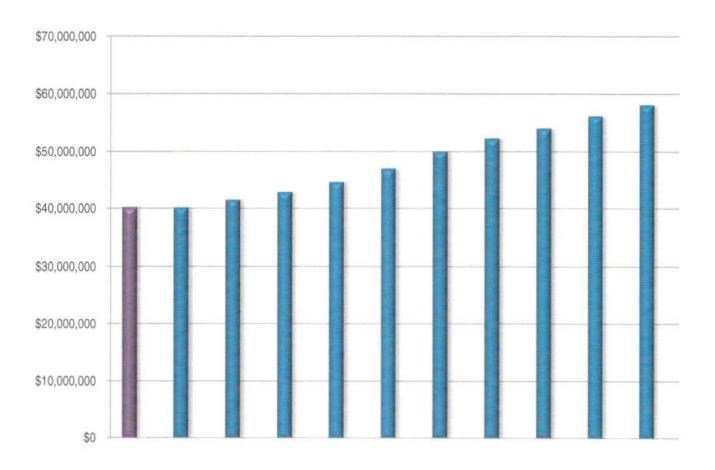
Average Monthly Benefit

\$3,859.47
\$3,099.25
\$1,712.33
Not applicable
\$1,458.23
\$2,832.71



Projected Benefit Payments

Table IV-F



A	C	tu	a	1	
	_			_	

For the period July 1, 2012 through June 30, 2013

\$40,180,000

Projected

For the period July 1, 2013 through June 30, 2014	
For the period July 1, 2014 through June 30, 2015	j
For the period July 1, 2015 through June 30, 2016	j
For the period July 1, 2016 through June 30, 2017	
For the period July 1, 2017 through June 30, 2018	
For the period July 1, 2018 through June 30, 2019	J
For the period July 1, 2019 through June 30, 2020)
For the period July 1, 2020 through June 30, 2021	
For the period July 1, 2021 through June 30, 2022	
For the period July 1, 2022 through June 30, 2023	

\$40,161,849 \$41,520,692 \$42,873,952 \$44,625,448 \$47,022,204 \$50,015,079 \$52,333,155 \$54,101,541 \$56,210,032 \$58,130,334



Summary of Actuarial Methods and Assumptions

Table V-A

1. Actuarial Cost Method

Individual entry age normal cost method. Under this actuarial cost method, a level funding cost is developed with respect to each benefit for each participant. The level funding cost for each benefit applies to the period beginning when the participant's service commences and ending when the participant is assumed to cease active participation due to each respective decrement. The actuarial accrued liability is equal to the accumulated level funding cost to the valuation date for all participants. The normal cost is equal to the level funding cost for the year immediately following the valuation date for all active participants.

2. Asset Method

The actuarial value of assets is equal to the market value of assets

3. Interest (or Discount) Rate

7.50% per annum

4. Salary Increases

Plan compensation is assumed to increase at the rate of 4.00% per annum, unless actual plan compensation is known for a prior plan year.

5. Decrements

Pre-retirement mortality: Sex-distinct rates set forth in the RP-2000 Mortality Table for annuitants,

projected to 2015 by Scale AA, as published by the Internal Revenue Service (IRS) for purposes of Internal Revenue Code (IRC) section 430; deaths prior to retirement are assumed not to be service-connected; future generational

improvements in mortality have not been reflected.

Post-retirement mortality: Sex-distinct rates set forth in the RP-2000 Mortality Table for annuitants,

projected to 2015 by Scale AA, as published by the Internal Revenue Service (IRS) for purposes of Internal Revenue Code (IRC) section 430; future

generational improvements in mortality have not been reflected.

Disability: Sex-distinct rates set forth in the Wyatt 1985 Disability Study (Class 4); 67%

of disabilities are assumed to be service-connected.



Summary of Actuarial Methods and Assumptions

Table V-A

(continued)

Termination:

Withdrawal rates were derived from a study of actual plan experience covering the period 1982 through 1986. A sample of the withdrawal rates is set forth in the following table:

Age	Rate	Age	Rate	Age	Rate	Age	Rate
20	5.454%	30	3.615%	40	1.804%	50	1.210%
25	4.218%	35	2.866%	45	1.313%	55	0.000%

Retirement:

Retirement is assumed to occur at normal retirement age.

6. Unused Vacation

All participants are assumed to have accumulated 30 days of unused vacation upon termination of employment, retirement, or death.

7. Payroll Increase and Amortization Period

Total payroll has been assumed to grow at the rate of 4.00% per year for purposes of amortizing the unfunded actuarial accrued liability as a level percentage of payroll; the amortization period is established by City ordinance as a closed 30-year period beginning July 1, 2011.

Expenses

Administrative expenses are assumed to be 0.50% of future payroll. In addition, the interest rate set forth in item 3. above is assumed to be net of investment expenses and commissions.

Cost-of-Living Adjustment

We have assumed that all eligible retirees will receive an automatic cost-of-living adjustment equal to 3.00% per annum.

Surviving Beneficiaries

Those active participants who are making the additional 1% employee contribution to provide a survivor benefit to their eligible beneficiaries are assumed to have only one surviving beneficiary of the opposite gender of the employee. Males are assumed to be three years older than females for this purpose.



Changes in Actuarial Methods and Assumptions

Table V-B

Since the previous valuation was completed, the following assumptions have been changed:

- (1) The assumed interest (or discount) rate was decreased from 7.75% per annum to 7.50% per annum.
- (2) The mortality basis was changed from the RP-2000 Mortality Table, projected to 2007 by Scale AA, to the RP-2000 Mortality Table, projected to 2015 by Scale AA, both as published by the Internal Revenue Service (IRS) for purposes of Internal Revenue Code (IRC) section 430.



Table VI-A

1. Monthly Accrued Benefit

For participants who are hired after August 31, 2011:

1% of Average Monthly Earnings multiplied by up to 80 years of Creditable Service

For participants who are hired during the period July 1, 2010 through August 31, 2011:

2% of Average Monthly Earnings multiplied by up to 50 years of Creditable Service

For all other participants who are covered by the '05 Amendment:

3% of Average Monthly Earnings multiplied by up to 26.667 years of Creditable Service

For all other participants who are not covered by the '05 Amendment:

2% of Average Monthly Earnings multiplied by Creditable Service earned through February 28, 2001 plus 3% of Average Monthly Earnings multiplied by Creditable Service earned thereafter

2. Normal Retirement Age and Benefit

Age

Any age with at least 30 years of Creditable Service (only for participants who are covered by the '05 Amendment); or

Age 55 with at least 10 years of Creditable Service (only for participants who are hired prior to July 1, 2010); or

Age 55 with at least 15 years of Creditable Service (only for participants who are hired prior to September 1, 2011); or

Age 57 with at least 15 years of Creditable Service; or

Age 65 with at least 5 years of Creditable Service

Amount

Monthly Accrued Benefit

Form of Payment

Life annuity (for those participants without an eligible beneficiary); or

75% joint and contingent annuity (for those participants with an eligible beneficiary; benefits continue in equal shares to the participant's dependent children upon the death of the participant's spouse or domestic partner or, for participants not covered by the '86 Amendment, upon the remarriage of the participant's spouse or domestic partner; survivor benefits are actuarially adjusted with respect to participants who are hired after August 31, 2011)

Note: All annuity forms of payment include an automatic cost-of-living adjustment effective each January 1 based on the increase in the Consumer Price Index as of the preceding November 1 and limited to 3% (*limited to 1% with respect to participants who are hired after August 31, 2011*). All annuity forms of payment also provide a minimum payout equal to the employee's accumulated contributions, with interest credited after 1985 at the rate of 5% per year (or less than 5% with respect to any year during which the trust fund earns less than 5% on its investments).



Table VI-A

(continued)

3. Early Retirement Age and Benefit

Age

Any age with at least 10 years of Creditable Service Service (15 years of Creditable Service for participants who are hired after June 30, 2010; minimum age of 47 for participants who are hired after August 31, 2011)

Amount

Monthly Accrued Benefit (payable at Normal Retirement Age); or

Monthly Accrued Benefit reduced by ½% for each of the first 60 months and by ¼% for each additional month by which the participant's Early Retirement Age precedes Normal Retirement Age (payable at Early Retirement Age and applicable only to those participants who are hired prior to September 1, 2011); or

Monthly Accrued Benefit reduced by ½% for each month by which the participant's Early Retirement Age precedes Normal Retirement Age (payable at Early Retirement Age and applicable only to those participants who are hired after August 31, 2011); or

Monthly Accrued Benefit reduced by ¼% for each month by which the participant's Early Retirement Age precedes age 55 (payable at Early Retirement Age and only applicable if the participant was hired prior to April 1, 1978 and has earned at least 25 years of Creditable Service)

Form of Payment

Same as for Normal Retirement

4. Delayed Retirement Age and Benefit

Age

After Normal Retirement Age

Amount

Monthly Accrued Benefit

Form of Payment

Same as for Normal Retirement



Table VI-A

(continued)

5. Disability Retirement Eligibility and Benefit

Eligibility

All active participants are eligible if the disability is service-connected; At least five years of Creditable Service is required otherwise.

Condition

The participant must become "totally and permanently disabled" and must remain so disabled until Normal Retirement Age. "Totally and permanently disabled" means the participant is in a continuous state of incapacity due to illness or injury, is prevented from performing his regular assigned or comparable duties during the first 12 months of his disability, and is thereafter prevented from engaging in any occupation for which he is or becomes reasonably qualified by education, training, or experience. With respect to participants who are not covered by the '86 Amendment, the participant must only be prevented from performing his regular assigned or comparable duties during the entire period of his disability.

Amount

For participants who incur a catastrophic injury in the line of duty:

100% of the top salary for the grade and position occupied by the participant at the time of disability

For participants who are covered by the '86 Amendment:

Greater of 50% of Average Monthly Earnings at the time of disability or Monthly Accrued Benefit, offset by worker's compensation payments such that the combination of payments does not exceed 75% of the participant's salary at the time of disability (payable until the earlier of recovery from disability or Normal Retirement Age); and

Monthly Accrued Benefit based on Average Monthly Earnings at the time of disability and Creditable Service including the period during which the participant was disabled, but excluding any cost-of-living adjustments that were previously applied to the participant's disability payments (payable at Normal Retirement Age)

For all other participants with a service-connected disability:

Greater of 70% of the top salary for the grade and position occupied by the participant at the time of disability or Monthly Accrued Benefit, offset by worker's compensation payments such that the combination of payments does not exceed 100% of the participant's salary at the time of disability

For all other participants:

Monthly Accrued Benefit, offset by worker's compensation payments such that the combination of payments does not exceed 100% of the participant's salary at the time of disability

Form of Payment

Same as for Normal Retirement



Table VI-A

(continued)

Deferred Vested Benefit

Age

Any age with at least five years of Creditable Service

Amount

Monthly Accrued Benefit multiplied by the participant's Vested Percentage and payable at age 60

Form of Payment

Same as for Normal Retirement

Pre-Retirement Death Benefit

For participants who die in the line of duty and who are covered by the '86 Amendment:

100% of the participant's base salary at the time of his death, offset by worker's compensation or other payments received for line of duty injuries prior to the participant's death (payable for the first two years after the participant's death); and

75% of the Monthly Accrued Benefit (payable thereafter)

For all other participants who die in the line of duty:

100% of the participant's base salary at the time of his death, offset by worker's compensation or other payments received for line of duty injuries prior to the participant's death (payable for the first two years after the participant's death); and

75% of the greater of: (a) the Monthly Accrued Benefit, or (b) 70% of the top salary for the grade and position occupied by the participant at his death (payable thereafter)

For all other participants:

75% of the Monthly Accrued Benefit



Table VI-A

(continued)

8. Vested Percentage

Retirement benefits with respect to those participants who are hired prior to July 1, 2010 become vested in accordance with the following schedule:

Years of Creditable Service	Vested Percentage
Less than five	0%
At least five, but less than six	25%
At least six, but less than seven	30%
At least seven, but less than eight	35%
At least eight, but less than nine	40%
At least nine, but less than 10	45%
At least 10	100%

Retirement benefits with respect to those participants who are hired after June 30, 2010 become vested in accordance with the following schedule:

Years of Creditable Service	Vested Percentage
Less than five	0%
At least five, but less than six	25%
At least six, but less than seven	30%
At least seven, but less than eight	35%
At least eight, but less than nine	40%
At least nine, but less than 10	45%
At least 10, but less than 11	50%
At least 11, but less than 12	55%
At least 12, but less than 13	60%
At least 13, but less than 14	65%
At least 14, but less than 15	70%
At least 15	100%



Table VI-A

(continued)

Average Monthly Earnings

The participant's Average Monthly Earnings is equal to: (a) the average of the participant's Base Salary for the highest 36 consecutive months during his period of Creditable Service; plus (b) the difference between the highest and lowest daily rate of pay during such 36-month period multiplied by the days of unused sick leave and divided by 36; plus (c) a credit based on accumulated unused vacation. (The averaging period is 120 months with respect to participants who are hired after August 31, 2011 and average monthly earnings does not include unused sick leave for these participants.)

Base Salary

The employee's basic salary excluding overtime pay and other special compensation; pursuant to IRC section 401(a)(17), total annual plan compensation is limited to \$200,000 as indexed.

11. Employee Contribution

All participating employees must make the required pre-tax contribution to the plan. The required contribution for participants who were hired prior to 1984 is 8% of basic salary for those participants who have an eligible beneficiary and 7% of basic salary for those participants who do not have an eligible beneficiary. The required contribution for participants who were hired during the period 1984 through August 31, 2011 is 13% of basic salary (8% prior to November 1, 2011) for those participants who have an eligible beneficiary and 12% of basic salary (7% prior to November 1, 2011) for those participants who do not have an eligible beneficiary. The required contribution for participants who are hired after August 31, 2011 is 8% of basic salary. An eligible beneficiary is the participant's legal spouse, registered domestic partner, or unmarried child under the age of 18. The participant must have been married or registered to his legal spouse or domestic partner for at least one year prior to his death in order for such individual to be an eligible beneficiary. (During the period March, 1994 through June, 2009, the required contribution was 1% lower for all participants; prior to March, 1994, the contribution was made on an after-tax basis.)



Table VI-A

(continued)

12. Creditable Service

Creditable Service includes "base creditable service" (plus an "unused sick leave service credit" for those participants who were hired prior to September 1, 2011) plus military service as required by federal law. Base creditable service is granted for all periods of full-time employment as a firefighter with the City of Atlanta provided that the employee has made the required contribution for such period of service. With respect to eligible participants, an unused sick leave service credit is granted by dividing the participant's days of unused sick leave by the number of work days set forth in the following chart:

Years of Base Creditable Service	Work Days
Less than five	239
At least five, but less than 10	236
At least 10, but less than 15	233
At least 15, but less than 20	230
At least 20	226

Creditable Service also includes other service with the City of Atlanta if the relevant contributions are transferred into this plan and may include prior service with the State of Georgia, Fulton County, Dekalb County, or as a teacher in a public school system or private college or university within the State of Georgia if the required contribution is made to the plan.

13. Participation Requirement

All full-time firefighters employed by the City of Atlanta are eligible to participate in the plan.

14. Plan Effective Date

April 1, 1978



Summary of Plan Amendments

Table VI-B

No plan changes have been adopted since the previous valuation was completed.

