

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

October 1, 2010 Actuarial Report

**For the Fiscal and Plan Year
October 1, 2011
through
September 30, 2012**

Prepared By:

**STANLEY, HOLCOMBE & ASSOCIATES, INC.
2000 RiverEdge Parkway/ Suite 540
Atlanta, GA 30328
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June 16, 2011

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June 16, 2011

Board of Trustees
City of Miami Fire Fighters' and
Police Officers' Retirement Trust
1895 SW 3 Avenue
Miami, FL 33129-1456

October 1, 2010 Actuarial Report

Dear Board Members:

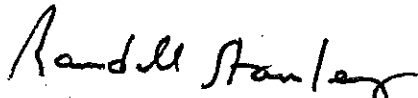
Enclosed is our report on the actuarial valuation of the City of Miami Fire Fighters' and Police Officers' Retirement Trust as of October 1, 2010, for the fiscal year beginning October 1, 2011.

The report is based upon the terms of Ordinance No. 10002 and the Amended Final Judgment in the matter of Gates v. City of Miami, as well as ordinance 13202, as applicable. This report reflects 10% member contributions from Fire Fighters as well as the 70 point retirement eligibility requirement for Fire Fighters who had not attained 68 points as of September 30, 2010.

The City contribution requirement for the 2011/2012 fiscal year is \$42,353,775, compared to \$65,551,615 for the 2010/2011 fiscal year.

When expressed as a percentage of total payroll (for active members and members in DROP), the City contribution rate decreased from 44.18% as of October 1, 2009 to 29.89% as of October 1, 2010. The percentages of total payroll reflect the hypothetical impact on funding if there were no DROP, since members who are presently in DROP could well be more likely be retired and replaced with active members. The ordinance and State law do not permit funding after members enter DROP.

Respectfully submitted,



Randall L. Stanley, FSA, MAAA, EA
Actuary



Frans Christ, FSA, MAAA, EA
Actuary

RLS/FC/di
MIAMI01B

Enclosures (20)

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

OCTOBER 1, 2010 ACTUARIAL REPORT

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**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
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Comparative Summary of Principal Valuation Results - Regular Fund

	Actuarial Valuation	
	Prepared as of	
	<u>10/1/2010</u>	<u>10/1/2009</u>
A. <u>Participant Data (Ex. 7)</u>		
Active Members	1,227	1,517
Covered Payroll	\$80,152,355	\$122,212,346
Members in DROP	549	241
DROP Payroll	\$61,549,206	\$26,164,287
Projected Total Payroll	\$141,701,561	\$148,376,633
Retired Members and Beneficiaries	2,062	1,758
Total Annualized Benefits	\$117,265,525	\$86,149,422
Disabled Members	186	196
Total Annualized Benefits	\$3,789,189	\$3,900,431
Terminated Vested Members	16	20
Total Annualized Benefits	\$404,409	\$512,331
B. <u>Assets</u>	-\$-	-\$-
Actuarial Value (Ex. 2A)	1,180,649,632	1,164,973,724
Market Value (Ex. 4)	1,027,739,486	970,811,437
C. <u>Liabilities (Excl. COLA)</u>		
Present Value of Benefits (Ex. 1)		
Active Members - Retirement	348,453,640	917,777,253
Vesting	23,446,447	19,807,807
Disability	42,403,883	36,815,319
Death	3,564,506	9,839,784
Return of Contributions	2,041,068	2,068,805
Total	<u>419,909,544</u>	<u>986,308,968</u>
Inactive Members - Retired and Beneficiaries	1,323,426,300	906,759,019
Disabled	33,684,331	34,328,843
Terminated Vested	3,231,775	4,282,512
Total	<u>1,360,342,406</u>	<u>945,370,374</u>
Total	<u>1,780,251,950</u>	<u>1,931,679,342</u>
Actuarial Accrued Liability	N/A	N/A
Unfunded Actuarial Accrued Liability	N/A	N/A

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Comparative Summary of Principal Valuation Results - Regular Fund
(Continued)

	Actuarial Valuation	
	Prepared as of	
	<u>10/1/2010</u>	<u>10/1/2009</u>
D. <u>Actuarial Present Value of Accrued Benefits</u> (Exhibit 5)	-\$-	-\$-
Vested Accrued Benefits		
Inactive Members and Beneficiaries	1,360,342,406	945,370,374
Active Members	154,433,888	416,609,449
Total	<u>1,514,776,294</u>	<u>1,361,979,823</u>
Non-Vested Accrued Benefits	29,769,852	29,207,048
Total	<u>1,544,546,146</u>	<u>1,391,186,871</u>
E. <u>Pension Cost (Exhibit 1)</u>		
Normal Cost	48,958,986	75,189,626
Payment to Amortize Unfunded Liability	N/A	N/A
Expected Plan Sponsor Contribution	42,353,775	65,551,615
As % of Covered Payroll	52.84%	53.64%
As % of Total Payroll	31.86%	46.39%
Expected Member Contribution	6,605,211	9,638,011
As % of Payroll	8.24%	7.89%
F. <u>Past Contributions</u>	Year Ending <u>9/30/2009</u>	Year Ending <u>9/30/2008</u>
Required Plan Sponsor Contribution	-\$-	-\$-
Required Member Contributions	55,095,791	36,993,395
Actual Contributions	10,436,367	9,769,139
Plan Sponsor	54,342,926	36,993,395
Members	10,436,367	9,769,139
G. <u>Net Actuarial Gain (Loss)</u>	N/A	N/A
H. <u>Other Disclosures</u>		
Active Members:		
Present Value Future Salaries (at attained age)	1,103,177,771	1,325,848,007
Present Value Future Contributions (at attained age)	87,615,425	101,158,464

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Comparative Summary of Principal Valuation Results – COLA Fund

	Actuarial Valuation		
	<u>Prepared as of</u>		
	<u>10/1/2010</u>	<u>10/1/2009</u>	
A. <u>Participant Data</u>			
Active Members			
Total Annual Payroll			
Retired Members and Beneficiaries	2,062	1,758	
Total Annualized Benefits	15,732,846	\$14,483,876	
Disabled Members	186	196	
Total Annualized Benefits	2,740,960	\$2,820,516	
Table	\$1,312	\$1,312	
B. <u>Assets</u>			
	-\$	-\$	
Actuarial Value (Ex. 13C)	343,766,397	316,220,411	
Market Value (Ex. 13C)	311,770,987	296,317,281	
C. <u>Liabilities (COLA Only)</u>			
Present Value of Benefits (Ex. 13C)			
Active Members -	Reserve for Current Actives	29,956,033	44,537,865
	Reserve for Contribution Refunds	N/A	N/A
	Reserve for Future Actives	<u>4,493,405</u>	<u>6,680,680</u>
	Total (excl. 457 Service)	34,449,438	51,218,545
Inactive Members -	Frozen COLA I Benefits	1,464,977	1,554,180
	COLA II Benefits	<u>279,732,820</u>	<u>237,207,751</u>
	Total	281,197,797	238,761,931
Total		<u>315,647,235</u>	<u>289,980,476</u>

Comparative Summary of Total Assets - Combined

Market Value (Ex. 4)	<u>1,339,510,472</u>	<u>1,267,128,718</u>
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**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

REVIEW OF COSTS

Summary Discussion

This is the actuarial report for the fiscal year beginning October 1, 2011 for the City of Miami Fire Fighters' and Police Officers' Retirement Trust. This is the twenty-seventh annual actuarial report prepared by Stanley, Holcombe & Associates, Inc. This report is intended to reflect the provisions and requirements of Ordinance No. 10002, as well as Ordinance 13202, As Applicable.

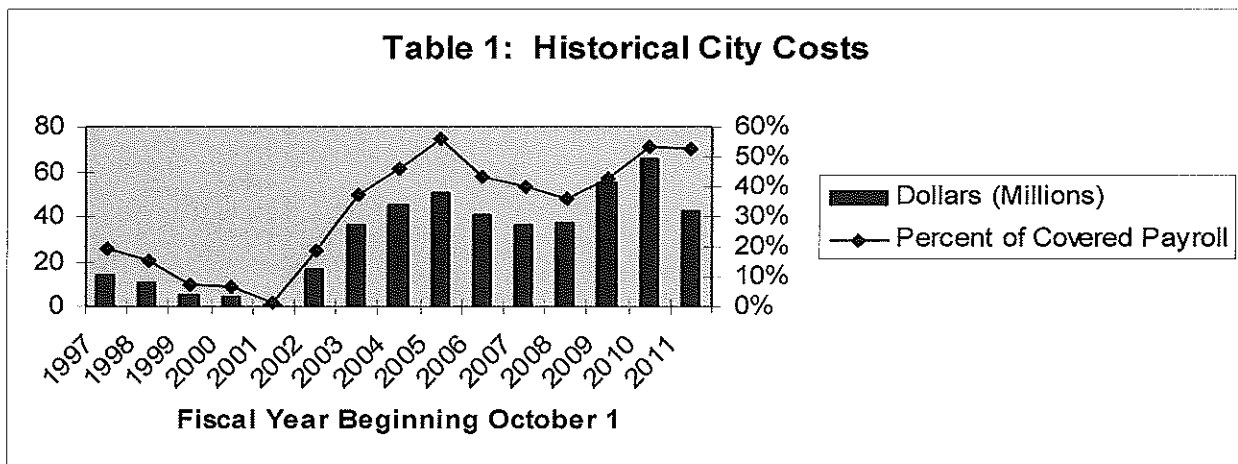
Comparison of Deposit Requirements

The City contribution requirements, and the results calculated for the 2011/2012 fiscal year, are as follows:

	<u>2011/2012</u>	<u>2010/2011 Impact Statement</u>	<u>2010/2011 Report</u>	<u>2009/2010</u>
	-\$-	-\$-	-\$-	-\$-
Past Service Cost	N/A	N/A	N/A	N/A
Normal Cost	42,353,775	42,287,046	65,551,615	55,095,791
Payment Timing	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	42,353,775	42,287,046	65,551,615	55,095,791
Percentage of Covered Payroll	52.84%	49.19%	53.64%	42.59%
Percentage of Total Payroll	29.89%	28.50%	44.18%	N/A

The 2011/2012 deposit amount of \$42,353,775 is approximately \$23.2 million less than the \$65,551,615 for the prior year. However, it should be noted that the new position of the Division of Retirement is that the minimum contribution is the percentage of payroll, applied to the actual payroll in the 2011/2012 fiscal year (See Exhibit 18, page 75).

As may be seen from Table 1, the decreases in City costs are substantial, due primarily to the slashes in compensation and benefits.



Analysis of Cost Changes

The Normal Cost element of FIPO costs is expected to remain level as a percentage of covered payroll, if the actual Plan experience is the same as the actuarial assumptions and there are no Plan or assumption changes. In the absence of Plan or assumption changes, an increase in the Normal Cost rate indicates that experience has been less favorable than assumed, while a decrease indicates more favorable experience.

Quantification of the reasons for the changes is as follows:

	<u>Normal Cost</u>	
	-\$-	-%-
2009/2010 Normal Cost		
Including 9% Firefighter Contributions	65,551,615	53.64*
2010/2011 Normal Cost Expected (for continuing participants)	65,302,840	54.13
<u>Element of Experience</u>		
Salary Increases	-8,271,925	+1.43
Turnover	+1,396,121	+0.71
Mortality	-1,178,959	-1.32
Retirement	-9,589,125	+7.01
New Participants	-49,267	-1.06
Disability	-22,286	-0.23
Investment Return	+3,159,161	+3.43
Contribution Lag	+1,214,123	+1.01
Other, Data	<u>+137,689</u>	<u>-0.11</u>
Total	-13,204,468	+10.87
Assumption Changes	+9,361,151	+11.68
Plan Amendment	-19,105,748	-23.84
2010/2011 Normal Cost (10% Fire member contributions, 70 points)	42,353,775	52.84* 29.89**

* Percentage of Covered Payroll

** Percentage of Total Payroll

Projected Total Payroll of \$135,494,022 is equal to 103.25% of Covered Payroll of \$80,152,355 plus \$52,764,593 payroll for members in DROP.

Following is a more detailed description of the elements of experience:

Salary Increases - During the period October 1, 2009 through September 30, 2010, covered payroll for the continuing actives increased less than expected, resulting in a decrease of \$1,732,791 in the Normal Cost. Covered payroll for continuing active participants at September 30, 2010 decreased 9.33% compared to an expected 7.51% increase.

Mortality - For active members there was one death, as compared to 2 expected; for inactive members there were 47 deaths (17 with survivors), as compared to 51 expected. This decreased the normal cost by \$1,178,959.

Disability - During the past year there was one disability, as compared to 5 expected. This decreased the normal cost by \$22,286.

Turnover - From October 1, 2009 to September 30, 2010, there were 3 employee terminations, as compared to 19 predicted by the actuarial assumptions. This increased the normal cost by \$1,396,121. Following is a comparison of the expected and actual turnover rates for the past eleven years:

Table 3 – Expected and Actual Turnover by Duration

<u>Age</u>	<u>1999/20002</u>		<u>2002/2005</u>		<u>2005/2008</u>		<u>2008/2009</u>		<u>2009/2010</u>	
	<u>Exp.</u>	<u>Act.</u>	<u>Exp.</u>	<u>Act.</u>	<u>Exp.</u>	<u>Act.</u>	<u>Exp.</u>	<u>Act.</u>	<u>Exp.</u>	<u>Act.</u>
20-24	3.7	3	1.3	0	3.2	4	1.7	2	1.2	0
25-29	12.3	11	9.8	12	9.0	12	4.2	6	4.3	1
30-34	17.9	21	15.7	26	13.5	19	5.0	5	5.0	1
35-39	20.2	13	15.7	10	15.3	13	5.1	5	4.9	0
40+	<u>13.8</u>	<u>19</u>	<u>13.5</u>	<u>18</u>	<u>11.5</u>	<u>8</u>	<u>4.0</u>	<u>4</u>	<u>3.9</u>	<u>1</u>
	67.9	67	56.0	66	52.5	56	20.0	22	19.3	3

Retirement - There were 324 retirements during the period (151 firefighters, 173 police), as compared to 54 expected. This large number of retirements caused an increase in costs of 7.01% of payroll. However, the corresponding significant decline in payroll resulted in the dollar cost decreasing \$9,589,125.

Following is a comparison of the expected and actual retirements during the past year:

Table 4 – Expected and Actual Retirements by Duration

Service*	Firefighters			Police Officers			Combined		
	Expected	Actual	A/E	Expected	Actual	A/E	Expected	Actual	A/E
0	0.30	15	5000.0%	6.60	95	1439.4%	6.90	110	1594.2%
1	0.50	9	1800.0%	4.20	23	547.6%	4.70	32	680.9%
2	1.35	19	1407.4%	3.05	15	491.8%	4.40	34	772.7%
3	1.15	20	1739.1%	1.60	8	500.0%	2.75	28	1018.2%
4	4.20	20	476.2%	0.95	4	421.1%	5.15	24	466.0%
5	2.50	9	360.0%	1.75	7	400.0%	4.25	16	376.5%
6	4.25	17	400.0%	0.25	1	400.0%	4.50	18	400.0%
7	3.75	15	400.0%	3.00	12	400.0%	6.75	27	400.0%
8	2.75	11	400.0%	1.00	4	400.0%	3.75	15	400.0%
9	1.25	5	400.0%	1.00	3	300.0%	2.25	8	355.6%
10+	7.75	11	141.9%	0.50	1	200.0%	8.25	12	145.5%
Total	29.75	151	507.6%	23.90	173	723.9%	53.65	324	603.9%

*After attainment of Rule of 64 and 20 years

Investment Return - The rate of return for the year ending September 30, 2010 was 4.48% on actuarial asset value (Exhibit 2A).

As shown in Exhibit 2C, there will not be a COLA transfer as of January 1, 2011 or January 1, 2012, resulting in City minimum contributions of \$4,869,751 and \$5,064,541 due to the COLA fund as of those dates.

New Members – During the year there were 32 new members, who decreased the City contribution requirement for the Fund by 1.06%. Last year, 54 new members decreased the rate by 0.67%.

Assumption Changes and Plan Amendment

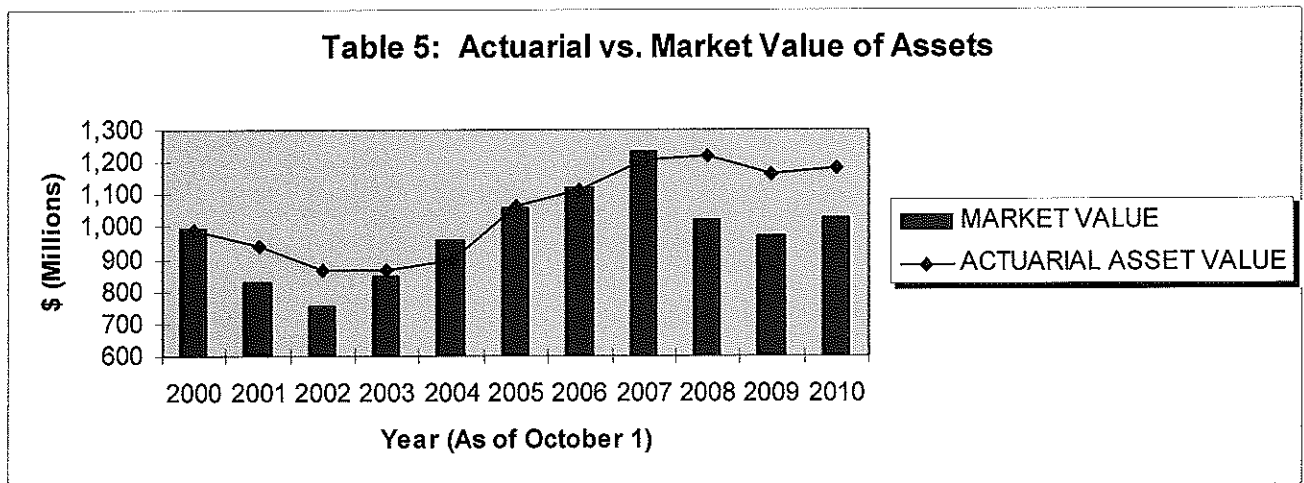
A number of very significant benefit and assumption changes were made in September 2010. These changes are shown in bold print in Exhibit 8 (benefit changes) and Exhibit 9B (assumption changes), since they are changed from our October 1, 2009 Actuarial Valuation Report. These changes were summarized and communicated to the City's actuary on September 22 and reflected in our September 24 Actuarial Impact Statement (As Applicable).

Plan Assets

Exhibits 3 and 4 show the asset transactions and investment results during the year. The rate of return on mean market value for the period ending September 30, 2010 was 9.8%.

The asset valuation method results in an actuarial asset value of \$1.181 billion as of October 1, 2010 (Exhibit 2A), 115% of the market value of \$1.028 billion. The rate of return on Actuarial Asset Value was 4.5%, as compared to the 7.75% assumption.

Table 5 illustrates the effect of using the asset smoothing methodology. The volatility of the market value of assets can be seen in the columns, while the actuarial value is illustrated by the line. The actuarial asset value line reflects the 20% Write-Up Method from September 30, 2005.



For COLA transfer purposes, the actuarial asset valuation method utilizes a 3-year moving average (Exhibit 2B). Under this method, the rate of return for the year ending September 30, 2010 was (1.04%). This results in no asset transfer from the Regular Fund to the COLA Fund on January 1, 2012 (Exhibit 2C).

Expected Ongoing Cost Levels

System costs have varied dramatically over the past several years, due almost exclusively to asset performance. Since the City's contribution requirement is the primary variable, it has been significantly impacted.

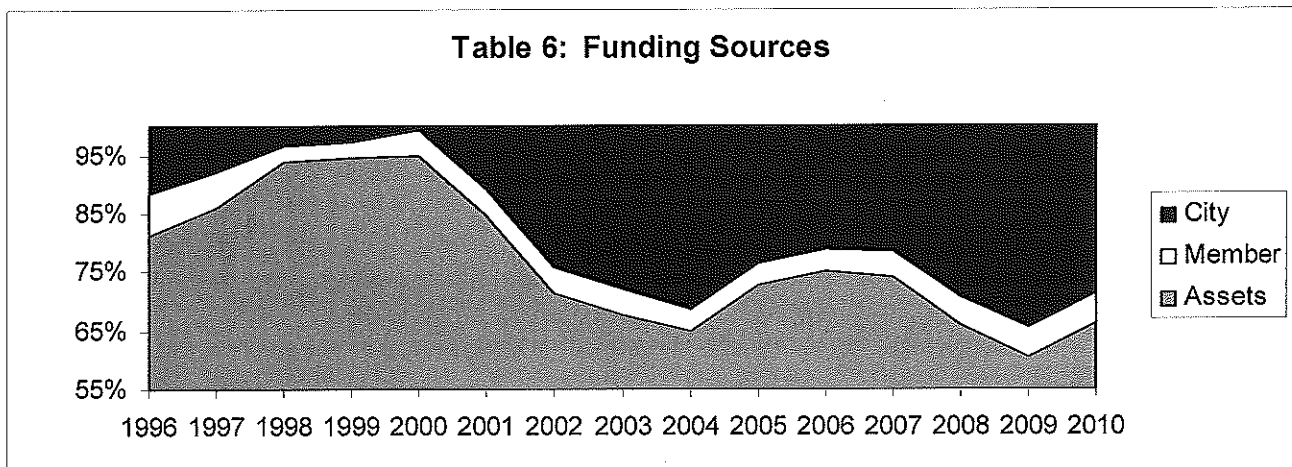
Nevertheless, it is important to distinguish between individual annual costs (which may be somewhat erratic) and expected ongoing annual costs. The following table compares the City contribution requirement as a percentage of payroll to the theoretical entry age normal City contribution percentages:

<u>Valuation Date</u>	<u>Contribution %</u>	<u>EAN %</u>
10/1/2010	53	12
10/1/2009	54	21
10/1/2008	43	21
10/1/2007	36	22
10/1/2006	40	23
10/1/2005 (Revised AAV)	44	23
10/1/2005 (Prior AAV)	60	23
10/1/2004	57	23
10/1/2003	46	21
10/1/2002	45	17
10/1/2001	20	19
10/1/2000	1	16
10/1/1999	5	17

As will be noted, contribution requirements in the two years before the 10/1/2002 valuation were below the System's theoretical contribution level. This was due to the System having accumulated more assets than expected. During the 2001-2005 period the contribution requirement (under the prior actuarial asset valuation method) had increased dramatically, due to erosion of assets and the delayed effect of asset smoothing.

Sources of Benefit Funding

Table 6 compares the sources of benefit funding for the past 14 years. The present value of benefits is equal to 100% in the Table. The present value of benefits is provided by three sources; the actuarial value of assets, the present value of member contributions, and the present value of future normal costs (city).



As seen in the table, the city portion of future benefit responsibility decreased as asset values climbed during the late nineties. When asset values started to decline, the city portion increased. As of October 1, 2010, the actuarial value of assets equals 66% of the present value of benefits, the present value of member contributions equals 5%, and the present value of future City normal costs equal 29% of the present value of future benefits.

Funding Progress

The comparison of the present values of vested and accrued benefits to FIPO assets from one year to the next, or over a period of time, is a measure of interim funding progress and the degree of benefit security.

Exhibit 6 contains the result of this comparison for the past three years. The market value of assets on October 1, 2010 is \$1,027,739,486, as compared to the value of accrued benefits of \$1,544,546,146 for a ratio of 66.5%. The ratio as of October 1, 2009 was 69.8%.

A ratio in excess of 100% typically is one indication of a well-funded program.

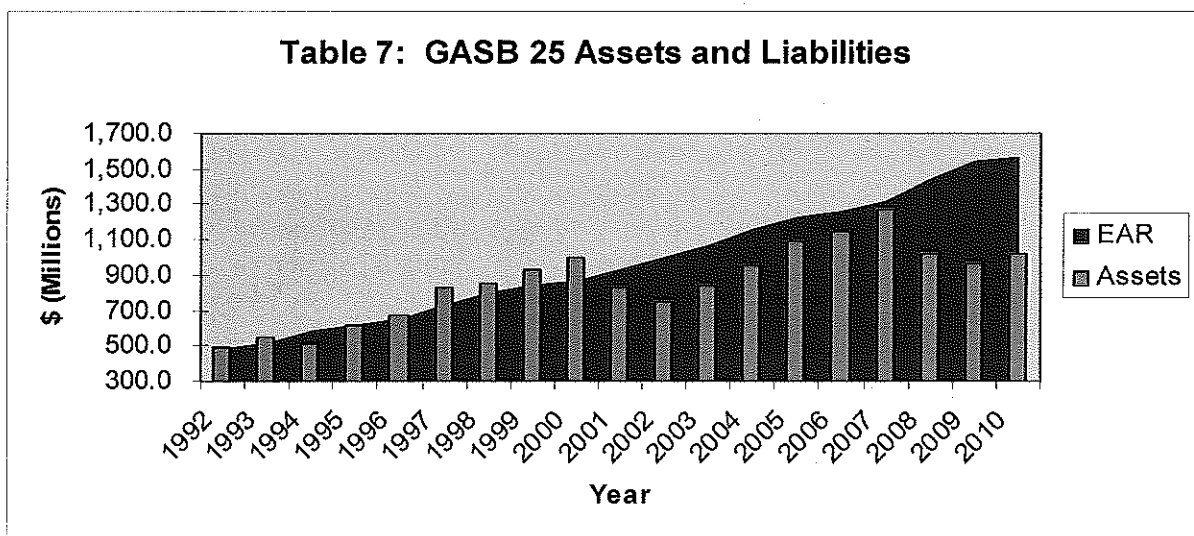
Governmental Accounting Standards

GASB issued Statement No. 25, Financial Reporting for Defined Benefit Pension Plans and Statement No. 27, Accounting for Pensions by State and Local Governmental Employers in 1994. Statement No. 25 provides parameters for financial reporting and comparison of actual contributions to "actuarially required contributions." Statement No. 27 provides standards for the financial reports of the state and local governmental employers. Statement No. 25 was effective for periods beginning after June 15, 1996; Statement No. 27, for periods beginning after June 15, 1997.

The Statements do not directly impact funding, although they do require calculation of an "actuarially required contribution," or "ARC" and amortization of any deficiency or excess of actual contributions made in relation to the ARC.

Since the FIPO Trust uses the Aggregate Cost Method, technically no Schedule of Funding Progress is required. However, such a Schedule of Funding Progress may be prepared using another acceptable cost method. Based on our recommendation in this report, the Schedule of Funding Progress is prepared using the Entry Age Normal Actuarial Accrued Liability, which is one of the acceptable measures under GASB 25. This Schedule is shown in Exhibit 11, Section III.

As of October 1, 2010 the entry age reserve is \$1,568.3 million. This compares to assets of \$1,027.7 million, for a funded ratio of 66%. Last year the funded ratio was 63%. These amounts, together with other disclosures, are contained in Exhibit 11 and illustrated in the following Table 7:



As recommended in the 1997 report, and reviewed by FIPO auditors, the employer contributions made in accordance with the requirements of the Florida Division of Retirement should be used as the Actuarially Required Contribution (ARC), since an exact calculation of the ARC would not differ materially from the required contribution amount. On this basis, a Schedule of Employer Contributions is included in Exhibit 11 in order to comply with the reporting requirements of GASB 25.

These calculations are made for GASB 25. It should be understood that they are only one approach to the measurement of funding progress. They should not be used for any other purpose, such as determination of compliance with City ordinances or State Statutes or the current or future solvency of the FIPO Trust.

Application of GASB 27

The provisions of GASB 27 are virtually identical to those of GASB 25. It is our understanding that the schedules used for GASB 25 disclosure may also be used for GASB 27 purposes.

COLA Fund

Calculations were made based on the information provided as of 10/1/2010. The calculations reflect the approach adopted with the Amended Final Judgment in the matter of Gates vs. City of Miami.

Exhibit 12, parts I and II, illustrate the general impact of the COLA increases which have been provided thus far (under the \$1,312 table as of 1/1/2011), by duration since retirement and by age, respectively.

As discussed in earlier reports, there is probably no completely acceptable index for measuring the impact of inflation on retirees' benefits. Although the CPI is the most widely used inflation index, it is generally considered to distort inflation for retirees, since it includes components which are not typically germane to them, such as home purchases. In the absence of a suitable alternative, a percentage of the CPI is often used as a target. If the cumulative CPI were used as a target, the current COLA averages 52% of the target. A comparison of COLA increases to the CPI is shown in Exhibit 12, part III. Historical data on the CPI is shown in Exhibit 12, part IV.

Cumulative Experience Position

Ordinance Section 40-204(C) (4) provides that transfers of excess investment return from the Regular Fund to the COLA Fund may be made only if the System remains in a net positive experience position on a cumulative basis from October 1, 1982. Since the aggregate cost method is used for determining funding requirements, the determination of the experience position is measured under the entry age normal method.

The cumulative experience loss increased from \$60,270,194 as of October 1, 2009, to a cumulative loss of \$91,170,378 as of October 1, 2009 (Exhibit 14).

COLA Transfer Calculations

Exhibit 2C shows the transfer calculations as of this valuation. As will be noted, the excess return transfer as of January 1, 2011 and January 1, 2012 are scheduled to be \$0. Therefore, there will be City contributions to the COLA fund of \$4,869,751 as of January 1, 2011 and \$5,064,541 as of January 1, 2012.

Enrolled Actuary's Statement

This report has been prepared in accordance with standards established by the American Academy of Actuaries. To the best of our knowledge, it reflects the actuarial condition of the City of Miami Fire Fighters' and Police Officers' Retirement Trust as of October 1, 2010 for the Retirement Fund and for the COLA Fund.

All costs and cost components are calculated on the basis of actuarial assumptions which reasonably reflect the experience of the Trust.

This actuarial valuation and/or cost determination was prepared and completed 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 Part VII, Chapter 112, Florida Statutes. 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 increase in plan costs or required contribution rates have been taken into account in the valuation.

Randall L. Stanley
Signature

Enrolled Actuary No. 11-602

June 16, 2011
Date

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

City Contribution Requirement for 2011/2012 Fiscal Year

	<u>2010/2011</u> <u>Report</u>	<u>2011/2012</u>	
		<u>No Changes</u>	<u>Pay Reductions</u>
	-\$-	-\$-	-\$-
I. <u>Unfunded Actuarial Accrued Liability</u>	N/A	N/A	N/A
II. <u>Normal Cost</u>			
A. Present Value of Future Benefits			
1. <u>Active Members</u>			
a. Retirement	917,777,253	615,749,897	536,683,160
b. Disability	36,815,319	36,100,829	31,856,294
c. Death	9,839,784	8,099,079	7,076,755
d. Turnover	19,807,807	19,410,641	17,337,531
e. Return of Contributions	<u>2,068,805</u>	<u>2,187,326</u>	<u>2,078,572</u>
f. Total	986,308,968	681,547,772	595,032,312
2. <u>Retired Members and Beneficiaries</u>			
a. Service Retirements + Beneficiaries	906,759,019	1,263,998,105	1,263,998,105
b. Disability Retirements	34,328,843	33,016,085	33,016,085
c. Terminated Vested Members	<u>4,282,512</u>	<u>3,065,124</u>	<u>3,065,124</u>
d. Total	945,370,374	1,300,079,314	1,300,079,314
3. Total	<u>1,931,679,342</u>	<u>1,981,627,086</u>	<u>1,895,111,626</u>

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

City Contribution Requirement for 2011/2012 Fiscal Year

	<u>2010/2011 Report</u> -\$-	<u>2011/2012</u>	
		<u>No Changes</u> -\$-	<u>Pay Reductions</u> -\$-
II. <u>Normal Cost (Cont'd)</u>			
A. Total Present Value of Future Benefits	1,931,679,342	1,981,627,086	1,895,111,626
B. Present Value of Future Member Contributions	101,158,464	91,432,281	79,683,639
C. Actuarial Asset Value	1,164,973,724	1,180,649,632	1,180,649,632
D. Unfunded Actuarial Accrued Liability	<u>0</u>	<u>0</u>	<u>0</u>
E. Present Value of Future Normal Costs (A-B-C-D)	665,547,154	709,545,173	634,778,355
F. Present Value of Future Payrolls	1,325,848,007	1,200,248,088	1,052,280,512
G. Current Payroll for those under Expected Retirement Age	121,193,974	92,055,381	80,152,355
H. Current Normal Cost - Payable 10/1/2011 [(E)x(G) / (F)] (1.0775)	65,551,615	58,637,506	52,098,372
I. Covered Payroll	122,212,346	92,055,381	80,152,355
J. Normal Cost as Percentage of Payroll (H)/ (I)	53.64%	63.70%	65.00%
III. <u>Quarterly City Contribution Schedule</u>			
A. Past Service Cost	0	0	
B. Normal Cost	65,551,615	58,637,506	52,098,372
C. Payment Timing	<u>0</u>	<u>0</u>	<u>0</u>
D. Total	65,551,615	58,637,506	52,098,372

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

City Contribution Requirement for 2011/2012 Fiscal Year

	2011/2012		
	<u>Pay Reductions</u>	<u>Pay Reductions, Assumption Changes</u>	<u>All Changes</u>
	-\$-	-\$-	-\$-
I. <u>Unfunded Actuarial Accrued Liability</u>	N/A	N/A	N/A
II. <u>Normal Cost</u>			
A. Present Value of Future Benefits			
1. <u>Active Members</u>			
a. Retirement	536,683,160	535,944,048	348,453,640
b. Disability	31,856,294	30,995,357	42,403,883
c. Death	7,076,755	4,215,832	3,564,506
d. Turnover	17,337,531	18,580,394	23,446,447
e. Return of Contributions	<u>2,078,572</u>	<u>1,994,972</u>	<u>2,041,068</u>
f. Total	595,032,312	591,730,603	419,909,544
2. <u>Retired Members and Beneficiaries</u>			
a. Service Retirements + Beneficiaries	1,263,998,105	1,323,426,300	1,323,426,300
b. Disability Retirements	33,016,085	33,684,331	33,684,331
c. Terminated Vested Members	<u>3,065,124</u>	<u>3,231,775</u>	<u>3,231,775</u>
d. Total	1,300,079,314	1,360,342,406	1,360,342,406
3. Total	<u>1,895,111,626</u>	<u>1,952,073,009</u>	<u>1,780,251,950</u>

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

City Contribution Requirement for 2011/2012 Fiscal Year

	<u>2011/2012</u>		
	<u>Pay Reductions</u> -\$-	<u>Pay Reductions, Assumption Changes</u> -\$-	<u>All Changes</u> -\$-
II. <u>Normal Cost (Cont'd)</u>			
A. Total Present Value of Future Benefits	1,895,111,626	1,952,073,009	1,780,251,950
B. Present Value of Future Member Contributions	79,683,639	76,667,975	87,615,425
C. Actuarial Asset Value	1,180,649,632	1,180,649,632	1,180,649,632
D. Unfunded Actuarial Accrued Liability	<u>0</u>	<u>0</u>	<u>0</u>
E. Present Value of Future Normal Costs (A-B-C-D)	634,778,355	694,755,402	511,986,893
F. Present Value of Future Payrolls	1,052,280,512	1,013,000,015	1,103,177,771
G. Administrative Expense	0	2,200,000	2,200,000
H. Current Payroll for those under Expected Retirement Age	80,152,355	80,152,355	80,152,355
I. Interest Rate	7.5%	7.5%	7.5%
J. Current Normal Cost - Payable 10/1/2011 ([(E)x(H) / (F)] + (G)) (H (I))	52,098,372	61,459,523	42,353,775
K. Covered Payroll	80,152,355	80,152,355	80,152,355
L. Normal Cost as Percentage of Payroll (H)/ (I)	65.00%	76.68%	52.84%
III. <u>Quarterly City Contribution Schedule</u>			
A. Past Service Cost	0	0	0
B. Normal Cost	52,098,372	61,459,523	42,353,775
C. Payment Timing	<u>0</u>	<u>0</u>	<u>0</u>
D. Total	52,098,372	61,459,523	<u>42,353,775</u>

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Actuarial Asset Value – 20% Write Up Method

I. Determination of Actuarial Asset Value as of October 1, 2010

	-\$-
A. Actuarial Value of Assets as of 10/01/2009	1,164,973,724
B. City Contributions	54,342,926
C. Member Contribution	10,436,367
D. Benefits Paid	101,438,423
E. Contributions Refunded	174,358
F. Expected Return *	<u>90,736,932</u>
G. Expected Actuarial Value of Assets (A+B+C-D-E+F)	1,218,877,168
H. Market Value of Assets at 9/30/2010	1,027,739,486
I. Present Value of 01/01/11 COLA Transfer	0
J. Present Value of 01/01/12 COLA Transfer	0
K. Difference (H-I-J-G)	(191,137,682)
L. 20% of Difference	(38,227,536)
M. Preliminary Actuarial Asset Value (G+L)	1,180,649,632
N. Maximum Actuarial Asset Value (120% of H-I-J)	1,233,287,383
O. Minimum Actuarial Asset Value (80% of H-I-J)	822,191,589
P. Actuarial Asset Value at 10/1/2010	1,180,649,632
Q. Contribution Surplus Account Balance	0
R. Final Actuarial Value at 10/01/2010 (P – Q)	<u>1,180,649,632</u>

II. Rate of Return on Actuarial Asset Value

	-\$-
A. Actuarial Asset Value at 10/01/2009	1,164,973,724
B. Contributions	
1. City	54,342,926
2. Members	<u>10,436,367</u>
3. Total	64,779,293
C. Benefits and Refunds	101,612,781
D. Contribution Surplus	0
E. Actuarial Asset Value at 10/01/2010	1,180,649,632
F. Net Return on Investment [E+D+C-B-A]	52,509,396
G. Rate of Return (II F/I F) (.0775)	4.48%

*[1,164,973,724 + 54,342,926 + (10,436,367) (2.5/4) – (101,438,423 + 174,358) (13/24)] (.0775)

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

I. Development of Actuarial Asset Value (3 Years, for COLA Transfer Purposes)

	<u>9/30/2010</u>	<u>9/30/2009</u>	<u>9/30/2008</u>
A. Book Value	992,423,802	970,698,193	1,031,726,793
B. Market Value	1,027,739,486	970,811,437	1,018,935,217
C. B/A	1.0355853	1.0001167	0.9876018
<hr style="border-top: 1px dashed black;"/>			
D. $1/3 \sum (C)$		1.0077679	
E. Adjusted Market Value at 9/30/2010 D x \$992,423,802		1,000,132,851	
F. Contribution Surplus at 9/30/2010		0	
G. 1. 80% of Market Value 2. 120% of Market Value		822,191,589 1,233,287,383	
H. Preliminary Actuarial Asset Value		1,000,132,851	
I. Present Value of 1/1/2012 COLA Transfer, discounted at 7.75%		0	
J. Actuarial Asset Value (H-I)		1,000,132,851	

II. Rate of Return on Actuarial Asset Value

A. Actuarial Asset Value at 10/01/2009	1,047,755,613
B. Contributions	
1. City	54,342,926
2. Members	10,436,367
3. Total	<u>64,779,293</u>
C. Benefits and Refunds	101,612,781
D. Present Value of 1/1/2011 COLA Transfer	0
E. Contribution Surplus	0
F. Actuarial Asset Value at 10/01/2010	1,000,132,851
G. Net Return on Investment [F+E+D+C-B-A]	(10,789,274)
H. Rate of Return [2 x G/ (A+F-G)]	(1.04%)

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Calculation of Excess Investment Return
On Membership and Benefits Accounts for 2009/2010 Fiscal Year
2012 COLA Transfer

I.	Net Actual Return on Actuarial Asset Value		-\$-
	A. Preliminary Actuarial Asset Value as of 10/1/2010		1,000,132,851
	B. Benefits Paid During Plan Year		101,438,423
	C. Contributions Refunded During Plan Year		174,358
	D. City Contributions During Plan Year (Required)		54,342,926
	E. Member Contributions During Plan Year		10,436,367
	F. Actuarial Asset Value as of 10/1/2009		<u>1,047,755,613</u>
	G. Total Actual Return During Plan year (A)+(B)+(C)-(D)-(E)-(F)		(10,789,274)
II.	Net Expected Return on Actuarial Asset Value		
	A. Actuarial Asset Value as of 10/1/2009		1,047,755,613
	B. Benefits Paid During Plan Year		101,438,423
	C. Contributions Refunded During Plan Year		174,358
	D. City Contributions During Plan Year		54,342,926
	E. Member Contributions During Plan Year		10,436,367
	F. Expected Rate of Return		7.75%
	G. Expected Return During Plan Year		81,652,528 *
	H. Base Amount for Expected Return (G)/.0775		1,053,581,006
	I. Excess Return on Assets (I(G) - II(G))		(92,441,802)
	J. Excess Return as % of II(H)		(8.774057)%**
III.	Amount to be Transferred to COLA Fund		
	A.	<u>Excess Return</u>	<u>COLA Transfer</u>
		%	%
		\$	-\$-
	First	2.5	75
		0	0
	Next	2.5	50
		0	0
	Next	2.5	25
		0	0
	Remainder	0	0
			<u>0</u>
	B.	Total Transfer Amount at 1/1/2012	<u>0</u>

*Assumes Uniform Quarterly Contributions and Monthly Benefits
 $[1,047,755,613 + 54,342,926 + (10,436,367) (2.5/4) - (101,438,423 + 74,358) (13/24)](.0775) =$

81,652,528

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Summary of Asset Transactions for Year Ending September 30, 2010 *

	<u>Membership and Benefits Accounts</u>	<u>COLA I Account</u>	<u>COLA II Account</u>
	-\$-	-\$-	-\$-
A. Market Value as of October 1, 2009	970,811,437	36,111,767	260,205,514
B. Book Value as of October 1, 2009	970,698,193	36,107,555	260,175,161
C. Income During Year			
1. City Contributions	54,342,926		4,682,453
2. Member Contributions	10,436,367		
3. Other Member Contributions	0		
4. Interest	19,407,969	716,461	5,069,190
5. Dividends	7,556,186	227,440	1,968,383
6. Net Realized Gains (Losses)	34,620,377	1,262,837	8,939,042
7. Securities Lending Income	383,531	14,152	100,181
8. Rental and Other Income	491,853	18,024	128,178
9. COLA Transfer at January 1, 2010	0	--	0
	<u>127,239,209</u>	<u>2,288,914</u>	<u>20,887,427</u>
D. Disbursements During Years			
1. Benefit Payments	101,438,423	272,395	16,964,523
2. Contribution Refunds	174,358	0	0
3. Custodial and Investment Expenses	3,773,616	139,154	987,175
4. Other Expense			
5. Securities Lending Fees	94,397	3,483	24,647
6. Building Depreciation	32,806	1,246	8,674
	<u>105,513,600</u>	<u>416,278</u>	<u>17,985,019</u>
E. Book Value as of 9/30/2010 (B)+(C)-(D)	992,423,802	37,980,191	263,077,569
F. Net Change in Unrealized Gains (Losses)	35,202,440	1,347,324	9,331,338
G. Market Value as of September 30, 2010 (A)+(C)-(D)+(F)	1,027,739,486	39,331,727	272,439,260
H. January 1, 2011 Allocation to COLA II (discounted)	<u>0</u>	<u>N/A</u>	<u>0</u>
I. Net Market Value as of September 30, 2010	1,027,739,486	39,331,727	272,439,260

*Based on unaudited financial statements.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Distribution of Assets as of September 30, 2010⁽¹⁾

Membership and Benefits and Cost-of-Living Adjustment Accounts

<u>Description</u>	<u>Market</u>	<u>Book</u>
	-\$-	-\$-
Bills, Bonds, Notes	460,713,850	435,748,785
Domestic Stocks	558,489,953	513,507,758
International Stocks	130,611,437	135,076,604
Private Equity	31,255,519	34,350,061
Money Market Funds and Time Deposits	19,443,775	17,998,325
Mutual Funds	97,041,662	114,845,753
Real Estate ⁽²⁾	2,085,364	2,085,364
Securities Lending Adjustment	<u>0</u>	<u>0</u>
A: Sub-Total	1,299,641,560	1,253,612,650
B: Cash	43,709,432	43,700,432
Receivables:		
City Contributions	526,720	526,720
Accounts Receivable	2,551	2,551
Member Contributions	0	0
Accrued Interest	4,556,129	4,556,129
Accrued Dividend	905,101	905,101
Securities Proceeds	<u>7,037,560</u>	<u>7,037,560</u>
C: Sub-Total	13,028,061	13,028,061
Payables:		
Budget Advance	(945,307)	(945,307)
Transfer	0	0
Tax Withheld	(377)	(377)
Accounts Payable	268,395	268,395
Securities Purchased	<u>17,536,870</u>	<u>17,536,870</u>
D: Sub-Total	<u>16,859,581</u>	<u>16,859,581</u>
E. Total (A+B+C-D)	1,339,510,472	1,293,481,562
Accounts:		
COLA I Account	39,331,727	37,980,191
COLA II Account	272,439,259	263,077,569
COLA II Transfer (1/1/2010)	0	0
F: Membership & Benefits Account	1,027,739,486	992,423,802

⁽¹⁾Based on unaudited financial statements.

⁽²⁾Carried at depreciated cost for Book Value and at appraised value for Market Value.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Investment Results

Yield on Mean Values for 12-Month Period Ending September 30, 2010

	-\$-	<u>Market</u> -%-	<u>Book</u> -%-
<u>Membership and Benefits Accounts*</u>			
Interest	19,407,969	2.0	2.0
Dividends	7,556,186	0.8	0.8
Rental and Other Income, less Depreciation	459,047	0.1	0.1
Realized Gains	34,620,377	3.6	3.6
Securities Lending (Net)	289,134	0.0	0.0
Increase in Unrealized Gains	35,202,440	3.7	--
Custodial and Investment Expenses	(3,773,616)	(0.4)	(0.4)
Real Estate Adjustment to Appraised Value	<u>0</u>	<u>0.0</u>	<u>--</u>
	93,761,537	9.8	6.1
 <u>COLA I Account</u>			
Interest	716,461	2.0	2.0
Dividends	277,440	0.8	0.8
Rental and Other Income, less Depreciation	16,778	0.1	0.1
Realized Gains	1,262,837	3.5	3.5
Securities Lending (Net)	10,669	0.0	0.0
Increase in Unrealized Gains	1,347,324	3.7	--
Custodial and Investment Expenses	<u>(139,154)</u>	<u>(0.4)</u>	<u>(0.4)</u>
	3,492,355	9.7	6.0
 <u>COLA II Account</u>			
Interest	5,069,190	2.0	2.0
Dividends	1,968,383	0.8	0.8
Rental and Other Income, less Depreciation	119,504	0.1	0.1
Realized Gains	8,939,042	3.5	3.5
Securities Lending (Net)	75,534	0.0	0.0
Increase in Unrealized Gains	9,331,338	3.7	--
Custodial and Investment Expenses	<u>(987,175)</u>	<u>(0.4)</u>	<u>(0.4)</u>
	24,515,816	9.7	6.0

*Before 1/1/2010 COLA transfer

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Summary of Accounting Information
As of October 1

	<u>2010</u>	<u>2009</u>
	-\$-	-\$-
I. <u>Present Value of Vested Accrued Benefits</u>		
A. Service Retirements and Beneficiaries	1,323,426,300	906,759,019
B. Disability Retirements	33,684,331	34,328,843
C. Vested Terminated Members	3,231,775	4,282,512
D. Active Members	<u>154,433,888</u>	<u>416,609,449</u>
E. Total	1,514,776,294	1,361,979,823
II. <u>Present Value of Non-Vested Accrued Benefits</u>	29,769,852	29,207,048
III. <u>Present Value of Accrued Benefits</u>	1,544,546,146	1,391,186,871
IV. The values of accumulated plan benefits were determined in accordance with the Academy of Actuaries Interpretations and FASB Statement No. 35, <u>Accounting and Reporting by Defined Benefit Pension Plans</u> .		
V. <u>Statement of Changes in Accrued Benefits</u>		
A. Present Value of Accrued Benefits at Beginning of Year		1,391,186,871
B. Increase (Decrease) During the Year Attributable to:		
1. Benefits Accumulated		115,864,164
2. Benefits Paid and Contributions Refunded		(101,612,781)
3. Plan Amendment		(36,127,749)
4. Assumption/Method Changes		71,356,154
5. Increase Due to Decrease in Discount Period		<u>103,879,487</u>
6. Net Increase		153,359,275
C. Present Value of Accrued Benefits at End of Year		1,544,546,146

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Comparison of Funding Progress
(\$000)

I. <u>Assets</u>	<u>10/1/2010</u>	<u>10/1/2009</u>	<u>10/1/2008</u>
	-\$-	-\$-	-\$-
A. Book Value	992,424	970,698	1,031,727
B. Market Value	1,027,740	970,811	1,018,935
II. <u>Liabilities</u>			
A. Retired and Vested	1,360,342	945,370	802,313
B. Active			
Employee Contributions	64,629	117,247	133,288
Other Vested	89,805	299,363	292,390
Non-Vested Accrued	<u>29,770</u>	<u>29,207</u>	<u>28,79975</u>
C. Total Accrued	1,544,546	1,391,187	1,256,790
III. <u>Ratios</u>	%	%	%
IA/IIC	64.3	69.8	82.1
IB/IIC	66.5	69.8	81.1

Note: Item II amounts are present values of accrued benefits.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Member Statistics

I. Active Members

	<u>10/1/2010</u>	<u>10/1/2009</u>	<u>10/1/2008</u>
Number of			
Males	1,039	1,288	1,391
Females	<u>188</u>	<u>229</u>	<u>242</u>
Total	1,227	1,517	1,633

Averages

Current Age	36.0	38.1	38.4
Past Service	9.1	11.4	11.8
Credited Past Service	9.1	11.4	11.8
Annual Earnings	\$65,324	\$80,562	\$79,222

II. Inactive Members

A. Retirees and Beneficiaries

Number	2,062	1,758	1,643
Average Annual Benefit	\$56,870	\$49,004	\$44,503
Average Age	62.1	63.7	64.2

B. Disabled

Number	186	196	204
Average Annual Benefit	\$20,372	\$19,900	\$19,563
Average Age	68.2	67.7	67.2

C. Vested Terminated

Number	16	20	23
Average Deferred Benefit	\$25,276	\$25,617	\$20,294
Average Age	43.6	44.0	44.2

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Age-Service Distribution

<u>Age</u>	<u>Completed Years of Service</u>										<u>Earnings</u>	
	<u>0-1</u>	<u>2-4</u>	<u>5-9</u>	<u>10-14</u>	<u>15-19</u>	<u>20-24</u>	<u>25-29</u>	<u>30-34</u>	<u>35+</u>	<u>Total</u>	<u>Total</u>	<u>Average</u>
											-\$-	-\$-
15-24	5	47	0	0	0	0	0	0	0	52	2,605,392	50,104
25-29	18	189	35	1	0	0	0	0	0	243	12,917,868	53,160
30-34	3	107	94	57	1	0	0	0	0	262	16,326,243	62,314
35-39	3	47	62	118	49	4	0	0	0	283	19,402,436	68,560
40-44	3	29	31	84	86	33	0	0	0	266	19,349,008	72,741
45-49	0	7	10	30	33	14	3	0	0	97	7,585,272	78,199
50-54	0	0	4	3	9	3	2	0	0	21	1,770,270	84,299
55-59	0	0	1	0	1	1	0	0	0	3	195,867	65,289
60-64	0	0	0	0	0	0	0	0	0	0	0	0
65+	0	0	0	0	0	0	0	0	0	0	0	0
Total	32	426	237	293	179	55	5	0	0	1,227	80,152,355	65,324

Average Age: 36.0

Average Service: 9.1

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Reconciliation of Participant Counts

	<u>Actives</u>	<u>Retirees & Beneficiaries</u>	<u>Disableds</u>	<u>Vested Terminated</u>
10/1/2009	1,517	1,758	196	20
Changes due to:				
Retirement	-324	+328		-4
Withdrawal	-9			
Disability	-1		+1	
Death	-1	-37	-10	
New Beneficiary		+13		
New Hires	+44			
Data Changes	+1		-1	
	<hr/>	<hr/>	<hr/>	<hr/>
10/1/2010	1,227	2,062	186	16

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Summary of Principal System Provisions

(Based on Ordinance No. 10002, as Amended
through Ordinance No. 13202)

- Effective Date:** January 1, 1940, as restated effective May 23, 1985, and amended through September 30, 2010.
- Fiscal Year:** October 1 - September 30.
- Membership:** Police officers and fire fighters.
- Covered Compensation:** An employee's base salary, including pick-up contributions, for all straight time hours worked, plus assignment pay and payments received for vacation and sick leave taken, jury duty, and death-in-family leave taken. Earnable compensation shall not include overtime pay; payments for accrued sick leave, accrued vacation leave, or accrued compensatory leave; holiday pay; premium pay for holidays worked; the value of any employment benefits or non-monetary entitlements; or any other form of remuneration.
- Contributions:** Members: 7% of Compensation for Police Officers,
10% for Fire Fighters.
City: Balance, as actuarially determined.
- Creditable Service:** Service credited under Retirement System; military service (maximum of four years) during wartime for which Member makes contributions; maternity leave (maximum of 180 days for each leave) for which Member makes contributions; up to 5 years, without member contributions, if member was an employee before period of military service.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Summary of Principal System Provisions
(continued)

Average Final
Compensation:

For members who retire or terminate employment with ten or more years of creditable service prior to October 1, 2010, the annual earnable compensation of a member during either the last one year or the highest year of membership service, whichever is greater. Effective September 30, 2010, for members who retire on or after October 1, 2010, average final compensation shall mean the average of the highest 5 years of service, to be phased in over the next 4 years as follows: for members who retire on or after October 1, 2010 and on or before September 30, 2011, the average of the highest 2 years of membership service; for members who retire on or after October 1, 2011 and on or before September 30, 2012, the average of the highest 3 years of membership service; for members who retire on or after October 1, 2012 and on or before September 30, 2013, the average of the highest 4 years of membership service; and for members who retire on or after October 1, 2013, the average of the highest 5 years of membership service. Provided, in no event shall the average final compensation of any member who was employed as a police officer or firefighter on September 30, 2010 and retires on or after October 1, 2010, be less than the highest year of membership service prior to September 30, 2010.

Normal Service Age:

Age 50

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Summary of Principal System Provisions
(Continued)

Service Retirement:

For Police Officers who have reached Rule of 64 by September 30, 2010, for Fire Fighters who had reached Rule of 64 by September 30, 2009, and for Fire Fighters who have reached Rule of 68 by September 30, 2010: 3% of Average Final Compensation for each of the first fifteen years of Creditable Service plus 3.5% of Average Final Compensation for each year of Creditable Service after the fifteenth year; maximum of 100% of Average Final Compensation.

For all others, for service prior to October 1, 2010: 3% of Average Final Compensation for each of the first fifteen years of Creditable Service plus 3.5% of Average Final Compensation for each of Creditable Service after the fifteenth year; for service after September 30, 2010: 3% of Average Final Compensation for each year of Creditable Service; The combined percentage for service before October 1, 2010 and service after September 30, 2010 may not exceed 100% of Average Final Compensation.

Early Service Retirement:

After 20 years of Creditable Service. Benefits are based on Average Final Compensation and Creditable Service at retirement date. Actuarial equivalence for early commencement.

Rule of 64 Retirement:

Service retirement on the basis of combined age and Creditable Service equaling 64 or more. Rule of 64 applies to Fire Fighters who had obtained 64 points by September 30, 2009 and Police Officers who had 64 points by September 30, 2010. **Rule of 64 also applies to the accrued benefit as of September 30, 2010 of Police Officers who were active members as of September 29, 2010.**

Rule of 68 Retirement:

Service retirement on the basis of combined age and Creditable Service equaling 68 or more. Rule of 68 applies to **Fire Fighters who had not attained 64 points by September 30, 2009 and had attained 68 points by September 30, 2010.** Rule of 68 also applies to the accrued benefit as of September 30, 2010 of Fire Fighters who were active members as of September 29, 2010.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Summary of Principal System Provisions
(Continued)

Rule of 70 Retirement:

Service retirement on the basis of combined age and Creditable Service equaling 70 or more. Rule of 70 applies to all new members hired on or after October 1, 2010, as well as to all benefits accrued after September 30, 2010 by Fire Fighters who had not attained 68 points on September 30, 2010 and Police Officers who had not attained 64 points on September 30, 2010.

Disability:

Ordinary Disability: After 10 or more years of Creditable Service, and not eligible for service retirement. Not incurred as accident in performance of duties. 90% of benefit rate times Average Final Compensation times Creditable Service, with a minimum benefit of 30% of Average Final Compensation; 10 years' certain and life normal form.

Accidental Disability: Incurred as accident in performance of duties. 66 2/3% of Average Final Compensation, or 66 2/3% of Final Compensation, whichever is greater. 40% joint & survivor normal form, with a minimum of 10 years' certain and life.

**Deferred Retirement
Option Plan:**

Members who are eligible for Service Retirement or Rule of 64 Retirement after September 1998 may elect self-directed Deferred Retirement Option Plan, for a maximum of 4 years. An actuarially equivalent Back DROP option (maximum of 4 years) may be elected prior to DROP entry; combined years of DROP may not exceed 4.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Summary of Principal System Provisions
(Continued)

Death:

Ordinary Death: (a) Between 3 and 10 years of Creditable Service, and death not accidentally incurred in performance of duties: Lump sum benefit equal to 50% of Compensation received in year preceding death. (b) After 10 years of Creditable Service and before eligibility for Early Service or Rule of 64 Retirement, accrued benefit, deferred to earlier of member's 50th birthday or Rule of 64 eligibility, payable for 10 years. Beneficiary does not have to survive deferred period or 10 years' certain period. (c) If eligible for Service, Early Service, or Rule of 64 retirement, considered to have retired on the date of death. Surviving spouse would receive 40% of the member's monthly retirement allowance.

Accidental Death: Incurred in performance of duties. (a) Pension of 50% of Average Final compensation to spouse until death or remarriage. If there is no spouse, or if spouse dies or remarries before youngest child is 18, payable until attainment of age 18. If no spouse or no children under 18, benefit is payable to dependent parents. (b) After 10 years of Creditable Service and before eligibility for Early Service or Rule of 64 Retirement, accrued benefit, deferred to earlier of member's 50th birthday or Rule of 64 eligibility, payable for 10 years. Beneficiary does not have to survive deferral period or 10 years' certain period.

Employment Termination:

After 10 years of Creditable Service, based on Creditable Service and Average Final Compensation at termination date. If Member contributions are withdrawn, benefit is forfeited. Benefits are deferred to Normal Retirement Age.

Optional Allowances:

Normal Form: For Police Officers who have reached Rule of 64 by September 30, 2010, for Fire Fighters who had reached Rule of 64 by September 30, 2009, and for Fire Fighters who have reached Rule of 68 by September 30, 2010: Normal Form is joint and 40% contingent survivor, with a minimum of 10 years' certain and life.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Summary of Principal System Provisions
(Continued)

**Optional Allowances:
(Continued)**

For all others, for benefits based on service prior to October 1, 2010: Normal Form is joint and 40% contingent survivor, with a minimum of 10 years' certain and life; for benefits based on service after **September 30, 2010, Normal Form is 10 years' certain and life.**

Option 1 is cash refund annuity, based on present value at retirement. Option 2 is joint and 100% survivor. Option 3 is joint and 50% contingent survivor. Option 4 is open option. Option 5 is determined by Board due to incapacity of Member. Option 6 is withdrawal of member contributions with credited interest; monthly benefit is ½ of normal level.

**Transfer of Compensated
Leave Balances:**

Accumulated leave balances may be transferred into system immediately prior to retirement to purchase additional Creditable Service, on an actuarially equivalent basis.

Transfer of 457 Balances:

457 balances of Firefighters may be transferred into System at retirement to purchase additional Service for multiplier purposes.

**Changes Since Prior
Valuation:**

(In bold print)

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Summary of Actuarial Basis – Prior Basis

Valuation Date: October 1, 2010 for Fiscal Year beginning October 1, 2011.

Valuation Method: Aggregate Cost Method.

Asset Valuation Method: 20% Write-Up Method: Expected value is based on the Interest Discount/Investment Return rate applied to the actuarial asset value as of previous valuation date and cash flow during the year. 20% of the difference between the Expected Value and the Market Value (net of pending transfers to the COLA Fund) is added to the Expected Value.

The result cannot be greater than 120% of market value or less than 80% of market value (net of pending COLA transfers).

Actuarial Assumptions:

Interest Discount/
Investment Return: 7.75%, compounded annually.

Inflation: 3.5%, compounded annually.

Mortality: 1994 Group Annuity Mortality Table, producing following specimen rates:

<u>Age</u>	<u>Male</u>	<u>Female</u>
20	.0507%	.0284%
30	.0801%	.0351%
40	.1072%	.0709%
50	.2579%	.1428%
60	.7976%	.4439%
70	2.3730%	1.3730%

Disabled Mortality:

In accordance with Pension Benefit Guaranty Corporation non-OASDI basis, producing following specimen rates:

<u>Age</u>	<u>Male</u>	<u>Female</u>
30	0.13%	0.11%
40	0.31%	0.19%
50	0.83%	0.51%
60	2.05%	1.30%
70	4.85%	3.21%

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Summary of Actuarial Basis – Prior Basis
(Continued)

<u>Age</u>	<u>Disability</u>	<u><5</u>	<u>Turnover</u>	<u>5+</u>
31	.00200	.0240		.0192
32	.00220	.0240		.0192
33	.00245	.0240		.0192
34	.00265	.0240		.0192
35	.00285	.0240		.0192
36	.00305	.0228		.0182
37	.00325	.0216		.0173
38	.00345	.0204		.0163
39	.00370	.0192		.0154
40	.00390	.0180		.0144
41	.00470	.0168		.0134
42	.00555	.0156		.0125
43	.00635	.0144		.0115
44	.00720	.0132		.0106
45	.00800	.0120		.0096
46	.00880	.0096		.0077
47	.00965	.0072		.0057
48	.01045	.0048		.0038
49	.01130	.0024		.0019
50	.01210	.0000		.0000
51	.01295	.0000		.0000
52	.01375	.0000		.0000
53	.01455	.0000		.0000
54	.01540	.0000		.0000
55	.01620	.0000		.0000
56	.01785	.0000		.0000
57	.01870	.0000		.0000
58	.01950	.0000		.0000
59	.02030	.0000		.0000
60	.00000	.0000		.0000

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Summary of Actuarial Basis – Prior Basis
(Continued)

Retirement: Fire Fighters who have attained 64 points by September 30, 2009 and all Police Officers are subject to the Rule of 64; the rest of the Fire Fighters are subject to the Rule of 68. If eligible for Retirement, the following decrements apply, based on service:

<u>Years of Service</u>	<u>Police %</u>	<u>Fire %</u>
<20	0	0
20-24	20	5
25-29	25	25
30-31	50	25
32	100	100

There is no explicit assumption on the percentage of retirements expected to enter the DROP. No distinction is necessary, since funding is calculated to expected retirement or expected DROP entry.

Salary Merit Scale

<u>Service</u>	<u>Police</u>	<u>Fire</u>
0	.0500	.0500
1	.0500	.0500
2	.0500	.0500
3	.0500	.0500
4	.0500	.0500
5	.0500	.0500
6	.0500	.0500
7	.0250	.0500
8	.0500	.0500
9	.0500	.0500
10	.0100	.0000
11	.0100	.0000
12	.0100	.0000
13	.0100	.0000
14	.0100	.0000
15	.0125	.0250
16	.0125	.0250
17	.0100	.0100
18	.0100	.0100
19	.0100	.0100
20	.0100	.0100
21	.0100	.0100
22 +	.0000	.0000

Salary Merit Scale is combined with 3.5% inflation and 1.5% for promotions and other increases. There is also a 7.0% increase at retirement.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Summary of Actuarial Basis) – Prior Basis
(Continued)

Type of Disability:	100% of the disabilities are expected to be accidental disabilities.
Recovery:	No probabilities of recovery are used.
Type of Death:	100% of the assumed deaths are expected to be ordinary deaths.
Remarriage:	No probabilities of remarriage are used.
Spouse's Ages:	Females are assumed to be 3 years younger than males.
Marital Status:	All employees are assumed to be married.
Investment Expenses:	None; the investment return assumption of 7.75% is net of investment expenses.
Withdrawal of Employee Contributions:	It is assumed that employees do not withdraw their contribution balances upon employment termination or retirement.
Compensated Absence Balance Transfers:	No liabilities or costs are included for the provision to transfer compensated absence balances into FIPO to purchase additional creditable service, based on our understanding that assets will be transferred immediately prior to retirement to cover 100% of the liability for the additional service.
Adjustments from Valuation Date:	One year's interest is added to the calculated deposit to reflect ordinance provision.
Sources of Data:	Asset data is from unaudited financial statements and includes an appraised value for the real estate to be used for Market Value. Membership data was furnished by Administrator. Member compensation used is final bi-weekly pay in the year, annualized.
Changes Since Prior Valuation:	None.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Summary of Actuarial Basis – Revised Basis

Valuation Date: October 1, 2010 for Fiscal Year beginning October 1, 2011.

Valuation Method: Aggregate Cost Method. Percentage of actual payroll, if greater than calculated dollar City contributions, if greater than dollar amount calculated under the provision of Gates.

Asset Valuation Method: 20% Write-Up Method: Expected value is based on the Interest Discount/Investment Return rate applied to the actuarial asset value as of previous valuation date and cash flow during the year. 20% of the difference between the Expected Value and the Market Value (net of pending transfers to the COLA Fund) is added to the Expected Value.

The result cannot be greater than 120% of market value or less than 80% of market value (net of pending COLA transfers).

Actuarial Assumptions:

Interest Discount/
Investment Return: 7.50%, compounded annually.

Inflation: 3.25%, compounded annually.

Mortality: RP 2000 Mortality Table, Employees and Annuitants Combined, projected by scale AA to 2020, producing following specimen rates:

<u>Age</u>	<u>Male</u>	<u>Female</u>
20	.0235%	.0138%
30	.0402%	.0216%
40	.0919%	.0522%
50	.1487%	.1189%
60	.4887%	.4573%
70	1.6413%	1.5145%
80	5.7647%	3.9866%

Disabled Mortality: RP 2000 Disabled Mortality Table projected by scale AA to 2020, producing following specimen rates:

<u>Age</u>	<u>Male</u>	<u>Female</u>
20	1.5696%	.5287%
30	2.0418%	.6093%
40	1.9221%	.5507%
50	2.0149%	.8186%
60	3.0450%	1.9756%
70	4.6257%	3.4045%
80	8.9456%	6.2834%

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Summary of Actuarial Basis – Revised Basis
(Continued)

<u>Age</u>	<u>Disability</u>	<u>Turnover</u>	
		<u><5</u>	<u>5+</u>
31	.00200	.0240	.0192
32	.00220	.0240	.0192
33	.00245	.0240	.0192
34	.00265	.0240	.0192
35	.00285	.0240	.0192
36	.00305	.0228	.0182
37	.00325	.0216	.0173
38	.00345	.0204	.0163
39	.00370	.0192	.0154
40	.00390	.0180	.0144
41	.00470	.0168	.0134
42	.00555	.0156	.0125
43	.00635	.0144	.0115
44	.00720	.0132	.0106
45	.00800	.0120	.0096
46	.00880	.0096	.0077
47	.00965	.0072	.0057
48	.01045	.0048	.0038
49	.01130	.0024	.0019
50	.01210	.0000	.0000
51	.01295	.0000	.0000
52	.01375	.0000	.0000
53	.01455	.0000	.0000
54	.01540	.0000	.0000
55	.01620	.0000	.0000
56	.01785	.0000	.0000
57	.01870	.0000	.0000
58	.01950	.0000	.0000
59	.02030	.0000	.0000
60	.00000	.0000	.0000

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Summary of Actuarial Basis – Revised Basis

(Continued)

Retirement: Fire Fighters who have attained 64 points by September 30, 2009 and all Police Officers are subject to the Rule of 64; the rest of the Fire Fighters are subject to the Rule of 68. If eligible for Retirement, the following decrements apply, based on service:

<u>Years of Service</u>	<u>Police %</u>	<u>Fire %</u>
<20	0	0
20-24	40	5
25-29	50	25
30-31	100	25
32		100

There is no explicit assumption on the percentage of retirements expected to enter the DROP. No distinction is necessary, since funding is calculated to expected retirement or expected DROP entry.

Salary Merit Scale

<u>Service</u>	<u>Police</u>	<u>Fire</u>
0	.0500	.0500
1	.0500	.0500
2	.0500	.0500
3	.0500	.0500
4	.0500	.0500
5	.0500	.0500
6	.0500	.0500
7	.0250	.0500
8	.0500	.0500
9	.0500	.0500
10	.0100	.0000
11	.0100	.0000
12	.0100	.0000
13	.0100	.0000
14	.0100	.0000
15	.0125	.0250
16	.0125	.0250
17	.0100	.0100
18	.0100	.0100
19	.0100	.0100
20	.0100	.0100
21	.0100	.0100
22 +	.0000	.0000

Salary Merit Scale is combined with 3.25% inflation and 1.5% for promotions and other increases.
There is no additional increase at retirement.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Summary of Actuarial Basis – Revised Basis
(Continued)

Type of Disability:	100% of the disabilities are expected to be accidental disabilities.
Recovery:	No probabilities of recovery are used.
Type of Death:	100% of the assumed deaths are expected to be ordinary deaths.
Remarriage:	No probabilities of remarriage are used.
Spouse's Ages:	Females are assumed to be 3 years younger than males.
Marital Status:	All employees are assumed to be married.
Investment Expenses:	None; the investment return assumption of 7.75% is net of investment expenses.
Administration Expenses:	Equal to amount from previous fiscal year (\$2.2 million)
Withdrawal of Employee Contributions:	It is assumed that employees do not withdraw their contribution balances upon employment termination or retirement.
Compensated Absence Balance Transfers:	No liabilities or costs are included for the provision to transfer compensated absence balances into FIPO to purchase additional creditable service, based on our understanding that assets will be transferred immediately prior to retirement to cover 100% of the liability for the additional service.
Adjustments from Valuation Date:	One year's interest is added to the calculated deposit to reflect ordinance provision. For purposes of minimum City contributions as specified by State Division of Retirement (Exhibit 18), additional interest discount is included to reflect monthly contributions.
Sources of Data:	Asset data is from unaudited financial statements and includes an appraised value for the real estate to be used for Market Value. Membership data was furnished by Administrator. Member compensation used is final bi-weekly pay in the year, annualized, with estimated reductions for each active member as of October 1, 2010 based on approach summarized in Tables 2 and 3 in September 24, 2010 Actuarial Impact Statement.
Changes Since Prior Valuation:	Inflation assumption reduced from 3.5% to 3.25%; Salary increase assumption reduced by .25%; Investment return/interest discount reduced from 7.75% to 7.5%; Retirement decrements increased for police; Mortality tables changed to RP 2000 projected to 2020; Disabled mortality table changed to RP 2000 disabled mortality table projected to 2020; 7% compensation increase at retirement eliminated; Administration fee assumption added.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Information Under Florida Statutes

I. Comparison of Salary Increases

<u>Year Ending</u>	<u>Actual</u>	<u>Assumed</u>
	-%-	-%-
9/30/10	(9.33)	7.51
9/30/09	6.35	7.26
9/30/08	18.20	7.17
9/30/07	18.19*	5.81
9/30/06	2.84	5.79
9/30/05	8.15	5.77
9/30/04	10.20	5.78
9/30/03	5.38	4.00
9/30/02	2.43	2.00
9/30/01	4.79	2.00
9/30/00	7.12	2.00
9/30/99	0.52	2.75
9/30/98	(1.35)	2.75
9/30/97	(1.07)	2.75
9/30/96	0.76	2.75
9/30/95	5.50	2.75
9/30/94	2.86	3.00
9/30/93	6.37	6.80
9/30/92	3.48	6.80
9/30/91	2.65	6.80
9/30/90	2.79	7.00
9/30/89	8.64	7.00
9/30/88	6.05	7.00
9/30/87	7.45	7.50
9/30/86	7.49	7.50
9/30/85	14.28	7.50
9/30/84	11.53	7.50

* Including impact of change in valuation pay definition.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Information Under Florida Statutes

II. Comparison of Investment Returns

<u>Year Ending</u> -%-	<u>Actual MV</u> -%-	<u>Actual AAV*</u> -%-	<u>Assumed</u> -%-
9/30/10	9.8	4.48	7.75
9/30/09	(0.3)	(1.31)	7.75
9/30/08	(14.3)	3.65	7.75
9/30/07	14.2	8.27	7.75
9/30/06	9.1	7.57	7.75
9/30/05 (Revised)	15.6	7.83	7.75
9/30/05 (Prior)	15.6	8.43	7.75
9/30/04	12.9	4.29	7.75
9/30/03	15.7	3.26	7.75
9/30/02	(5.5)	(3.93)	7.75
9/30/01	(10.6)	(1.29)	7.75
9/30/00	12.7	16.01	7.75
9/30/99	13.8	13.40	7.75
9/30/98	6.9	19.45	7.75
9/30/97	28.3	26.34	8.00
9/30/96	13.2	11.27	8.00
9/30/95	21.0	12.86	7.75
9/30/94	(1.7)	5.18	7.75
9/30/93	15.8	13.73	7.75
9/30/92	9.9	12.48	7.75
9/30/91	25.9	20.93	7.75
9/30/90	0.4	1.89	7.50
9/30/89	N.A.	16.09	7.50
9/30/88	N.A.	0.08	7.50
9/30/87	N.A.	22.64	7.00
9/30/86	N.A.	21.66	7.00

* Based on mean actuarial asset values for periods ending 9/30. Rates of return on AAV prior to 9/30/05 are based on prior asset valuation methods, with COLA transfers treated as cash flow.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Information Under Florida Statutes
(Continued)

III. Comparison of Payroll Growth

<u>Year Ending</u>	<u>Actual</u> -%-	<u>Assumed</u> -%-
9/30/10	(34.4)	N.A.
9/30/09	(5.5)	N.A.
9/30/08	24.8	N.A.
9/30/07	14.7	N.A.
9/30/06	(1.3)	N.A.
9/30/05	2.6	N.A.
9/30/04	(9.9)	N.A.
9/30/03	2.1	N.A.
9/30/02	8.1	N.A.
9/30/01	6.3	N.A.
9/30/00	8.5	N.A.
9/30/99	4.6	N.A.
9/30/98	6.8	N.A.
9/30/97	(4.5)	N.A.
9/30/96	1.9	N.A.
9/30/95	(1.9)	N.A.
9/30/94	1.1	N.A.
9/30/93	7.5	N.A.
9/30/92	2.1	N.A.
9/30/91	(7.6)	5.00
9/30/90	(0.8)	5.00
9/30/89	9.5	5.00
9/30/88	3.4	5.00
9/30/87	5.9	5.00
9/30/86	5.8	5.00
9/30/85	7.8	5.00
9/30/84	9.7	5.00

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Disclosure Information Under GASB 25
(Excluding COLA Fund)

I. Funding Status and Progress as of September 30, 2010 and 2009

Entry Age Accrued Liability:	<u>\$(Millions)</u>	
	<u>Sept. 30, 2010</u>	<u>Sept. 30, 2009</u>
	-\$-	-\$-
- Retirees and beneficiaries currently receiving benefits and terminated employees not yet receiving benefits	1,360.3	945.4
- Current employees - Accumulated employee contributions including interest	64.6	117.2
Employer - financed vested	89.8	299.4
Employer - financed nonvested	<u>53.6</u>	<u>177.3</u>
Total Actuarial Accrued Liability	1,568.3	1,539.3
Net assets available for benefits (market value)	<u>1,027.7</u>	<u>970.8</u>
Unfunded Actuarial Accrued Liability	540.6	568.5

The actuarial accrued liability was determined as part of actuarial valuations at September 30, 2010 and September 30, 2009. Significant actuarial assumptions used include (a) a rate of return on the investment of present and future assets of 7.50 percent (7.75% in 2009) per year compounded annually, (b) projected salary increases of 3.25 percent (3.50% in 2009) per year compounded annually, attributable to inflation, (c) additional projected salary increases of 0.0 percent to 5.0 percent per year, attributable to seniority/merit and (d) 1.5% for promotions and other increases.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Disclosure Information Under GASB 25
(Excluding COLA Fund)

II. Contributions Required and Contributions Made

The funding policy provides for periodic employer contributions at actuarially determined rates that are sufficient to pay benefits when due. Contributions for normal costs are determined using the aggregate actuarial cost method. This cost method does not provide for an unfunded actuarial accrued liability.

Contributions totaling \$64,779,293 (\$54,342,926 employer and \$10,436,367 employee) were made for the year ending September 30, 2010. These contributions consisted of (a) \$64,779,293 normal cost, (b) \$0 amortization of the unfunded actuarial accrued liability, and (c) \$0 noninvestment expenses.

Significant actuarial assumptions used to compute contribution requirements are the same as those used to compute the standardized measure of the pension obligation as of the beginning of the preceding year.

III. Analysis of Funding Progress (\$ Millions)

<u>Fiscal Year</u>	(1) <u>Net Assets Available for Benefits</u> (\$)	(2) <u>Entry Age Reserve</u> (\$)	(3) <u>Percent Funded</u> (%)	(4) <u>Unfunded EAR</u> <u>(2)-(1)</u> (\$)	(5) <u>Annual Covered Payroll</u> (\$)	<u>(4)/(5)</u> (%)
1992	492.0	483.7	102	(8.3)	67.1	(12)
1993	550.6	513.4	107	(37.2)	72.0	(52)
1994	516.4	587.5	88	71.1	72.9	98
1995	616.5	614.4	100	(2.1)	71.5	(3)
1996	674.7	650.0	104	(24.7)	72.9	(34)
1997	835.3	727.1	115	(108.2)	69.6	(155)
1998	857.7	800.7	107	(57.0)	74.3	(77)
1999	932.8	843.2	111	(89.6)	77.7	(115)
2000	994.6	863.4	115	(131.2)	84.3	(156)
2001	828.9	932.7	89	103.8	89.7	116
2002	753.2	999.8	75	246.6	96.9	254
2003	844.9	1,067.9	79	223.0	98.9	225
2004	957.9	1,152.8	83	194.9	89.2	218
2005	1,091.9	1,221.6	89	129.7	91.5	142
2006	1,147.9	1,260.5	91	112.6	90.4	125
2007	1,268.9	1,318.4	96	49.5	103.6	48
2008	1,018.9	1,452.5	70	433.6	129.4	335
2009	970.8	1,539.3	63	568.5	122.2	465
2010	1,027.7	1,568.3	66	540.6	80.2	674

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

(Excluding COLA Fund)

IV. Revenues and Expenses

<u>Fiscal Year</u> (\$)	<u>Revenues by Source</u>			
	<u>Employee Contributions</u> (\$)	<u>Employer Contributions</u> (\$)	<u>Investment Income</u> (\$)	<u>Total</u>
1992	6,115,655	10,029,747	44,569,353	60,714,755
1993	6,455,623	10,442,881	50,309,468	67,207,972
1994	7,435,034	9,296,175	36,915,202	53,646,411
1995	8,318,833	10,880,346	38,919,229	58,118,408
1996	7,852,469	16,547,235	55,421,603	79,821,307
1997	7,664,034	14,377,032	83,180,597	105,221,663
1998	7,692,571	14,155,472	96,007,011	117,855,054
1999	8,556,140	10,376,473	66,039,984	84,972,597
2000	6,257,588	5,400,784	129,752,337	141,410,709
2001	6,336,918	5,481,599	17,717,791	29,536,308
2002	6,721,236	5,400,784	(27,704,711)	(15,582,691)
2003	7,193,936	15,024,366	30,466,098	52,684,400
2004	24,415,150	32,959,003	53,963,150	111,337,303
2005	18,607,681	45,545,130	71,904,910	136,057,721
2006	7,698,594	50,635,213	71,669,124	130,002,931
2007	14,702,629	40,542,078	82,937,630	138,182,337
2008	9,719,896	36,040,251	62,728,078	108,488,225
2009	9,769,139	36,993,395	(58,111,291)	(11,348,757)
2010	10,436,367	54,342,926	62,459,916	127,239,209

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

(Excluding COLA Fund)

IV. Revenues and Expenses (Continued)

<u>Fiscal Year</u>	<u>Expenses by Type</u>			
	<u>Benefits</u> (\$)	<u>Administrative Expenses</u> (\$)	<u>Refunds</u> (\$)	<u>Total</u> (\$)
1992	22,345,166	1,137,047	751,088	24,233,301
1993	22,735,888	1,314,925	672,376	24,723,189
1994	23,787,091	1,420,693	510,074	25,717,858
1995	25,846,564	1,567,841	703,269	28,117,674
1996	29,506,924	1,870,188	822,497	32,199,609
1997	33,841,809	2,079,183	1,225,239	37,146,231
1998	35,593,108	2,543,855	391,524	38,537,297
1999	36,900,501	2,689,079	258,383	39,847,963
2000	41,237,423	2,710,752	258,804	44,206,979
2001	41,386,774	2,933,939	481,746	44,802,459
2002	42,766,860	2,825,903	364,256	45,957,019
2003	46,083,206	2,922,537	429,225	49,434,968
2004	53,249,450	3,334,460	301,580	56,885,490
2005	66,518,783	3,865,995	257,859	70,642,637
2006	69,825,105	4,687,601	573,228	75,085,934
2007	72,378,966	5,143,290	307,545	77,829,801
2008	77,794,816	5,469,431	664,235	83,928,482
2009	85,094,354	3,898,278	336,755	89,329,387
2010	101,438,423	3,900,819	174,358	105,513,600

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

(Excluding COLA Fund)

V. Schedule of Employer Contributions

<u>Fiscal Year</u>	<u>Annual Pension Cost (APC) (\$)</u>	<u>Percentage Contributed (%)</u>	<u>Net Pension Obligation (\$)</u>
1994	9,296,175	100	0
1995	10,880,346	100	0
1996	16,547,235	100	0
1997	14,377,032	100	0
1998	14,155,472	100	0
1999	10,376,473	100	0
2000	5,400,784	100	0
2001	4,003,892	100	0
2002	1,051,629	100	0
2003	18,163,588	100	0
2004	36,341,515	100	0
2005	45,545,130	100	0
2006	50,635,213	100	0
2007	40,542,078	100	0
2008	36,040,251	100	0
2009	36,993,395	100	0
2010	55,095,791	99	752,865
2011	65,551,615		

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

(COLA Fund)

I. COLA Increases by Duration Since Retirement

<u>Years Retired</u>	<u>No.</u>	<u>FIPO Benefits</u> <u>-\$-</u>	<u>COLA Benefits</u> <u>-\$-</u>	<u>%</u>
0 - 5	635	4,803,584	438	0.0
5 - 10	397	2,172,872	31,631	1.5
10-15	258	1,095,020	123,570	11.3
15-20	307	1,108,201	274,979	24.8
20-25	156	395,529	197,298	49.9
25-30	140	232,664	206,135	88.6
30-35	200	182,432	301,541	165.3
35-40	113	74,131	177,622	239.6
40-45	25	14,656	49,362	336.8
45-50	16	8,289	34,272	413.5
50+	1	515	2,165	420.1
Total	2,248	10,087,893	1,399,013	13.9

II. COLA Increases by Attained Age (2011 Table)

<u>Age</u>	<u>No.</u>	<u>FIPO Benefits</u> <u>-\$-</u>	<u>COLA Benefits</u> <u>-\$-</u>	<u>%</u>
<45	46	288,538	955	0.0
45-50	288	2,010,050	899	0.0
50-54	425	2,719,694	18,094	0.1
55-59	326	1,884,130	66,107	3.5
60-64	293	1,263,486	141,184	11.2
65-69	247	872,225	214,140	24.6
70-74	168	422,142	185,128	43.9
75-79	181	325,925	282,818	86.8
80-84	176	217,856	301,599	138.4
85-89	78	68,841	148,422	215.6
>90	20	15,006	39,667	264.3
Total	2,248	10,087,893	1,399,013	13.9

CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST
(COLA Fund)

III. COLA Increases vs. CPI

<u>Years Retired</u>	<u>No.</u>	<u>COLA</u> <u>-%-</u>	<u>CPI</u> <u>-%-</u>	<u>COLA/CPI</u> <u>%</u>
0 - 5	635	0.0	1.9	0.5
5 -10	397	1.5	15.5	9.4
10-15	258	11.3	33.0	34.2
15-20	307	24.8	51.0	48.7
20-25	156	49.9	81.2	61.5
25-30	140	88.6	114.4	77.4
30-35	200	165.3	212.0	78.0
35-40	113	239.6	341.4	70.2
40-45	25	336.8	511.5	65.8
45-50	16	413.5	604.1	68.4
50+	1	420.1	645.5	65.1
Total	2,248	13.9	26.9	51.6

IV. Consumer Price Index (CPI-U)

<u>Year</u>	<u>December Index</u>	<u>Annual %</u>	<u>Year</u>	<u>December Index</u>	<u>Annual %</u>
1956	27.600	2.9	1981	94.000	8.9
1957	28.400	3.0	1982	97.600	3.9
1958	28.900	1.8	1983	101.300	3.8
1959	29.400	1.5	1984	105.300	4.0
1960	29.800	1.5	1985	109.300	3.8
1961	30.000	0.7	1986	110.500	1.1
1962	30.400	1.2	1987	115.400	4.4
1963	30.900	1.6	1988	120.500	4.4
1964	31.200	1.2	1989	126.100	4.6
1965	31.800	1.9	1990	133.800	6.2
1966	32.900	3.4	1991	137.900	3.0
1967	33.900	3.0	1992	141.900	2.9
1968	35.500	4.7	1993	145.800	2.7
1969	37.700	6.1	1994	149.700	2.7
1970	39.800	5.5	1995	153.500	2.5
1971	41.100	3.4	1996	158.600	3.3
1972	42.500	3.4	1997	161.300	1.7
1973	46.200	8.7	1998	163.900	1.6
1974	51.900	12.2	1999	168.300	2.7
1975	55.500	7.0	2000	174.000	3.4
1976	58.200	4.8	2001	176.700	1.6
1977	62.100	6.8	2002	180.900	2.4
1978	67.700	9.0	2003	184.300	1.9
1979	76.700	13.3	2004	190.300	3.3
1980	86.300	12.4	2005	196.800	3.4
			2006	201.800	2.5
			2007	210.036	4.1
			2008	210.228	0.1
			2009	215.949	2.7
			2010	219.179*	

*December 2010

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST
(COLA Fund – Prior Assumptions)**

I. <u>Summary of Assets Available for Benefits at October 1, 2010</u>		
		-\$-
A. COLA Accounts (Exhibit 2)		
1. COLA I Account at 9/30/2010		39,331,727
2. COLA II Account at 9/30/2010		272,439,260
B. Transfers of Excess Investment Income		
1. \$0 due on 1/1/2011		0
2. \$0 due on 1/1/2012		0
C. Minimum City Contributions ⁽¹⁾ \$5,267,123 beginning 1/1/2013, payable for 2 years, discounted		8,585,357
D. City Contribution		
1. Contribution of \$4,869,751 due on 1/1/2011, discounted		4,779,720
2. Contribution of \$5,064,541 due on 1/1/2012, discounted		4,613,372
E. Assets Available for COLA Benefits		329,749,436
II. <u>COLA Fund Liabilities for Benefits at October 1, 2010</u> ⁽³⁾		
A. Present Value of Existing COLA Benefits for inactives		
1. Frozen COLA I benefits		1,398,516
2. COLA II benefits		<u>262,350,175</u>
3. Total inactive COLA benefits		263,748,691
B. Present Value of Projected COLA Benefits for Actives		
1. Reserve for current actives		27,129,995
2. Reserve for future actives (15% of B1)		<u>4,069,499</u>
3. Total		31,199,494
C. Total Liability Allocated (A3+B4)		294,948,185
D. Contingency Reserve [20% of I(E)-I(B)(2)]		65,949,887
E. Unallocated Reserve ⁽²⁾		<u>(31,148,636)</u>
F. Total Liability for COLA Benefits		329,749,436

- Notes: (1) $(1/1.0775)^{2.25} \ddot{a}_{\overline{2}|} = 1.6299898$
(2) For \$1,312 Table, II(D)+II(E) = \$34,801,251
(3) Service for COLA excludes 457 buyback service.

CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST
(COLA Fund – Prior Assumptions)

III. Derivation of Increase in Table as of January 1, 2011

		-\$-
A.	Liability based on current \$1,312 table	
1.	Inactive COLA II Benefits	262,350,175
2.	Present Value of Projected COLA benefits for current actives	27,129,995
3.	Reserve for future actives [15% of (2)]	<u>4,069,499</u>
4.	Total	293,549,669
B.	Assets available to increase table	
1.	Total assets available for COLA Benefits	329,749,436
2.	Total Liability Allocated (current \$1,312 table)	294,948,185
3.	Contingency Reserve II(D)	<u>65,949,887</u>
4.	Available Assets [(1)-(2)-(3)]	(31,148,636)
5.	\$0 due on 1/1/2011, discounted	<u>0</u>
6.	Net Available Assets [(4)-(5)]	(34,148,636)
7.	Increase ratio [(B6)/ (A4)]	0
8.	Table increase [\$1,312x (7)]	0
9.	New table amount [\$1,312+ (8)]	1,312
10.	Actual new table amount	<u>1,312</u>

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST
(COLA Fund- Current Assumptions)**

I. Summary of Assets Available for Benefits at October 1, 2010

		-\$-
A.	COLA Accounts (Exhibit 2)	
	1. COLA I Account at 9/30/2010	39,331,727
	2. COLA II Account at 9/30/2010	272,439,260
B.	Transfers of Excess Investment Income	
	1. \$0 due on 1/1/2011	0
	2. \$0 due on 1/1/2012	0
C.	Minimum City Contributions ⁽¹⁾ \$5,267,123 beginning 1/1/2013, payable for 2 years, discounted	8,640,006
D.	City Contribution	
	1. Contribution of \$4,869,751 due on 1/1/2011, discounted	4,782,496
	2. Contribution of \$5,064,541 due on 1/1/2012, discounted	4,626,787
E.	Assets Available for COLA Benefits	329,820,276

II. COLA Fund Liabilities for Benefits at October 1, 2010 ⁽³⁾

A.	Present Value of Existing COLA Benefits for inactive	
	1. Frozen COLA I benefits	1,464,977
	2. COLA II benefits	279,732,820
	3. Total inactive COLA benefits	281,197,797
B.	Present Value of Projected COLA Benefits for Actives	
	1. Reserve for current actives	29,956,033
	2. Reserve for future actives (15% of B1)	4,493,405
	3. Total	34,449,438
C.	Total Liability Allocated (A3+B4)	315,647,235
D.	Contingency Reserve [20% of I(E)-I(B)(2)]	65,964,055
E.	Unallocated Reserve ⁽²⁾	(51,791,014)
F.	Total Liability for COLA Benefits	329,820,276

Notes: (1) $(1/1.0750)^{2.25} \ddot{a}_{\overline{2}|} = 1.6403654$

(2) For \$1,312 Table, II(D)+II(E) = \$14,173,041

(3) Service for COLA excludes 457 buyback service.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST
(COLA Fund – Current Assumptions)**

III. Derivation of Increase in Table as of January 1, 2011

A. Liability based on current \$1,312 table	-\$-
1. Inactive COLA II Benefits	279,732,820
2. Present Value of Projected COLA benefits for current actives	29,956,033
3. Reserve for future actives [15% of (2)]	<u>4,493,405</u>
4. Total	314,182,258
B. Assets available to increase table	
1. Total assets available for COLA Benefits	329,820,276
2. Total Liability Allocated (current \$1,312 table)	315,647,235
3. Contingency Reserve II(D)	<u>65,964,055</u>
4. Available Assets [(1)-(2)-(3)]	(51,791,014)
5. \$0 due on 1/1/2011, discounted	<u>0</u>
6. Net Available Assets [(4)-(5)]	(51,791,014)
7. Increase ratio [(B6)/ (A4)]	0
8. Table increase [\$1,312x (7)]	0
9. New table amount [\$1,312+ (8)]	1,312
10. Actual new table amount	<u>1,312</u>

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST
(COLA Fund- With New City Minimum)**

I. Summary of Assets Available for Benefits at October 1, 2010

A. COLA Accounts (Exhibit 2)	-\$-
1. COLA I Account at 9/30/2010	39,331,727
2. COLA II Account at 9/30/2010	272,439,260
B. Transfers of Excess Investment Income	
1. \$0 due on 1/1/2011	0
2. \$0 due on 1/1/2012	0
C. Minimum City Contributions ⁽¹⁾ \$5,267,123 beginning 1/1/2013, payable for 6 years, discounted	<u>22,586,127</u>
D. City Contribution	
1. Contribution of \$4,869,751 due on 1/1/2011, discounted	4,782,496
2. Contribution of \$5,064,541 due on 1/1/2012, discounted	4,626,787
E. Assets Available for COLA Benefits	<u>343,766,397</u>

II. COLA Fund Liabilities for Benefits at October 1, 2010 ⁽³⁾

A. Present Value of Existing COLA Benefits for inactives	
1. Frozen COLA I benefits	1,464,977
2. COLA II benefits	<u>279,732,820</u>
3. Total inactive COLA benefits	<u>281,197,797</u>
B. Present Value of Projected COLA Benefits for Actives	
1. Reserve for current actives	29,956,033
2. Reserve for future actives (15% of B1)	<u>4,493,405</u>
3. Total	<u>34,449,438</u>
C. Total Liability Allocated (A3+B4)	315,647,235
D. Contingency Reserve [20% of I(E)-I(B)(2)]	68,753,279
E. Unallocated Reserve ⁽²⁾	<u>(40,634,117)</u>
F. Total Liability for COLA Benefits	<u>343,766,397</u>

- Notes: (1) $(1/1.0750)^{2.25} \ddot{a}_{\overline{6}|} = 4.2881335$
(2) For \$1,312 Table, II(D)+II(E) = \$28,119,162
(3) Service for COLA excludes 457 buyback service.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**
(COLA Fund – With New City Minimum)

III. Derivation of Increase in Table as of January 1, 2011

		-\$-
A.	Liability based on current \$1,312 table	
1.	Inactive COLA II Benefits	279,732,820
2.	Present Value of Projected COLA benefits for current actives	29,956,033
3.	Reserve for future actives [15% of (2)]	<u>4,493,405</u>
4.	Total	314,182,258
B.	Assets available to increase table	
1.	Total assets available for COLA Benefits	343,766,397
2.	Total Liability Allocated (current \$1,312 table)	315,647,235
3.	Contingency Reserve II(D)	<u>68,753,279</u>
4.	Available Assets [(1)-(2)-(3)]	(40,634,117)
5.	\$0 due on 1/1/2011, discounted	<u>0</u>
6.	Net Available Assets [(4)-(5)]	(40,634,117)
7.	Increase ratio [(B6)/ (A4)]	0
8.	Table increase [\$1,312x (7)]	0
9.	New table amount [\$1,312+ (8)]	1,312
10.	Actual new table amount	1,312

EXHIBIT 15

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

(COLA Fund)

Summary of Principal COLA Provisions

- Effective Date: January 1, 1994, amended January 1, 1995.
- Eligibility: All inactive members in Miami Fire Fighters' and Police Officers' Retirement Trust.
- Prior COLA: Benefits granted through 1993 continue to be paid, in addition to benefits to be granted in the future.
- Available Assets: Existing COLA assets as of January 1, 1995; beginning with the 1991/92 fiscal year, a percentage of excess investment return on FIPO assets (75% of first 2.5%, 50% of next 2.5%, 25% of next 2.5%), subject to a minimum City contribution of \$2.5 million, increasing 4% annually.
- Allocated Assets: Current COLA assets as of September 30, 2009, plus present value of \$2.5 million minimum guarantee. The 4% future annual increases is not pre-allocated. A contingency reserve of 9% has been established for adverse experience.
- COLA Benefits: In addition to prior COLA, benefits are based on attached table, with \$1,312 monthly benefit for 25 years of creditable service and 22 completed years of retirement (after age 46). The \$1,312 amount is reduced by 5% for each year of retirement less than 22 and each year of creditable service less than 25 and increased similarly for years of retirement greater than 22 and years of creditable service greater than 25.
- Benefits are based on the FIPO option elected. Tabular amounts are adjusted, based on the FIPO adjustments at the time of FIPO benefit commencement, for options other than Option 8 (Joint & 40%). Surviving spouses receive the percentage of the table amount determined under the FIPO election.
- Service-incurred and accidental disabilities and deaths receive benefits based on the greater of 25 years or actual creditable service.
- Changes from Prior Year Valuation: None.

Miami Firefighters' and Police Officers' Retirement Trust
 2011 Monthly Retirement Supplements (\$1312 Table)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
10	0	0	0	33	49	66	82	98	115	131	148	164	180	197	213	230	246	262	279	295	312	328	344	361	377
11	0	0	0	39	59	79	98	118	138	157	177	197	216	236	256	276	295	315	335	354	374	394	413	433	453
12	0	0	0	46	69	92	115	138	161	184	207	230	253	276	298	321	344	367	390	413	436	459	482	505	528
13	0	0	0	52	79	105	131	157	184	210	236	262	289	315	341	367	394	420	446	472	499	525	551	577	604
14	0	0	0	59	89	118	148	177	207	236	266	295	325	354	384	413	443	472	502	531	561	590	620	649	679
15	0	0	0	66	98	131	164	197	230	262	295	328	361	394	426	459	492	525	558	590	623	656	689	722	754
16	0	0	0	72	108	144	180	216	253	289	325	361	397	433	469	505	541	577	613	649	686	722	758	794	830
17	0	0	0	79	118	157	197	236	276	315	354	394	433	472	512	551	590	630	669	708	748	787	827	866	905
18	0	0	0	85	128	171	213	256	298	341	384	426	469	512	554	597	640	682	725	768	810	853	895	938	981
19	0	0	0	92	138	184	230	276	321	367	413	459	505	551	597	643	689	735	781	827	872	918	964	1010	1056
20	0	0	0	98	148	197	246	295	344	394	443	492	541	590	640	689	738	787	836	886	935	984	1033	1082	1132
21	0	0	0	105	157	210	262	315	367	420	472	525	577	630	682	735	787	840	892	945	997	1050	1102	1155	1207
22	0	0	0	112	167	223	279	335	390	446	502	558	613	669	725	781	836	892	948	1004	1059	1115	1171	1227	1282
23	0	0	0	118	177	236	295	354	413	472	531	590	649	708	768	827	886	945	1004	1063	1122	1181	1240	1299	1358
24	0	0	0	125	187	249	312	374	436	499	561	623	686	748	810	872	935	997	1059	1122	1184	1246	1309	1371	1433
25	0	0	0	131	197	262	328	394	459	525	590	656	722	787	853	918	984	1050	1115	1181	1246	1312	1378	1443	1509
26	0	0	0	138	207	276	344	413	482	551	620	689	758	827	895	964	1033	1102	1171	1240	1309	1378	1446	1515	1584
27	0	0	0	144	216	289	361	433	505	577	649	722	794	866	938	1010	1082	1155	1227	1299	1371	1443	1515	1588	1660
28	0	0	0	151	226	302	377	453	528	604	679	754	830	905	981	1056	1132	1207	1282	1358	1433	1509	1584	1660	1735
29	0	0	0	157	236	315	394	472	551	630	708	787	866	945	1023	1102	1181	1260	1338	1417	1496	1574	1653	1732	1811
30	0	0	0	164	246	328	410	492	574	656	738	820	902	984	1066	1148	1230	1312	1394	1476	1558	1640	1722	1804	1886
31	0	0	0	171	256	341	426	512	597	682	768	853	938	1023	1109	1194	1279	1364	1450	1535	1620	1706	1791	1876	1961
32	0	0	0	177	266	354	443	531	620	708	797	886	974	1063	1151	1240	1328	1417	1506	1594	1683	1771	1860	1948	2037
33	0	0	0	184	276	367	459	551	643	735	827	918	1010	1102	1194	1286	1378	1469	1561	1653	1745	1837	1929	2020	2112
34	0	0	0	190	285	380	476	571	666	761	856	951	1046	1141	1237	1332	1427	1522	1617	1712	1807	1902	1998	2093	2188
35	0	0	0	197	295	394	492	590	689	787	886	984	1082	1181	1279	1378	1476	1574	1673	1771	1870	1968	2066	2165	2263
36	0	0	0	203	305	407	508	610	712	813	915	1017	1118	1220	1322	1424	1525	1627	1729	1830	1932	2034	2135	2237	2339
37	0	0	0	210	315	420	525	630	735	840	945	1050	1155	1260	1364	1469	1574	1679	1784	1889	1994	2099	2204	2309	2414
38	0	0	0	216	325	433	541	649	758	866	974	1082	1191	1299	1407	1515	1624	1732	1840	1948	2057	2165	2273	2381	2490
39	0	0	0	223	335	446	558	669	781	892	1004	1115	1227	1338	1450	1561	1673	1784	1896	2007	2119	2230	2342	2453	2565
40	0	0	0	230	344	459	574	689	804	918	1033	1148	1263	1378	1492	1607	1722	1837	1952	2066	2181	2296	2411	2526	2640
41	0	0	0	236	354	472	590	708	827	945	1063	1181	1299	1417	1535	1653	1771	1889	2007	2125	2244	2362	2480	2598	2716
42	0	0	0	243	364	485	607	728	850	971	1092	1214	1335	1456	1578	1699	1820	1942	2063	2184	2306	2427	2549	2670	2791
43	0	0	0	249	374	499	623	748	872	997	1122	1246	1371	1496	1620	1745	1870	1994	2119	2244	2368	2493	2617	2742	2867
44	0	0	0	256	384	512	640	768	895	1023	1151	1279	1407	1535	1663	1791	1919	2047	2175	2303	2430	2558	2686	2814	2942
45	0	0	0	262	394	525	656	787	918	1050	1181	1312	1443	1574	1706	1837	1968	2099	2230	2362	2493	2624	2755	2886	3018
46	0	0	0	269	403	538	672	807	941	1076	1210	1345	1479	1614	1748	1883	2017	2152	2286	2420	2555	2690	2824	2959	3093
47	0	0	0	276	413	551	689	827	964	1102	1240	1378	1515	1653	1791	1929	2066	2204	2342	2480	2617	2755	2893	3031	3168
48	0	0	0	282	423	564	705	846	987	1128	1269	1410	1551	1692	1834	1975	2116	2257	2398	2539	2680	2821	2962	3103	3244
49	0	0	0	289	433	577	722	866	1010	1155	1299	1443	1588	1732	1876	2020	2165	2309	2453	2598	2742	2886	3031	3175	3319
50	0	0	0	295	443	590	738	886	1033	1181	1328	1476	1624	1771	1919	2066	2214	2362	2509	2657	2804	2952	3100	3247	3395

Y E A R S O F C R E D I T A B L E S E R V I C E

Miami Firefighters' and Police Officers' Retirement Trust
 2011 Monthly Retirement Supplements (\$1312 Table)

	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
10	394	410	426	443	459	476	492	508	525	541	558	574	590	607	623	640	656	672	689	705	722	738	754	771	787
11	472	492	512	531	551	571	590	610	630	649	669	689	708	728	748	768	787	807	827	846	866	886	905	925	945
12	551	574	597	620	643	666	689	712	735	758	781	804	827	850	872	895	918	941	964	987	1010	1033	1056	1079	1102
13	630	656	682	708	735	761	787	813	840	866	892	918	945	971	997	1023	1050	1076	1102	1128	1155	1181	1207	1233	1260
14	708	738	768	797	827	856	886	915	945	974	1004	1033	1063	1092	1122	1151	1181	1210	1240	1269	1299	1328	1358	1387	1417
15	787	820	853	886	919	951	984	1017	1050	1082	1115	1148	1181	1214	1246	1279	1312	1345	1378	1410	1443	1476	1509	1542	1574
16	866	902	938	974	1010	1046	1082	1118	1155	1191	1227	1263	1299	1335	1371	1407	1443	1479	1515	1551	1588	1624	1660	1696	1732
17	945	984	1023	1063	1102	1141	1181	1220	1260	1299	1338	1378	1417	1456	1496	1535	1574	1614	1653	1692	1732	1771	1811	1850	1889
18	1023	1066	1109	1151	1194	1237	1279	1322	1364	1407	1450	1492	1535	1578	1620	1663	1706	1748	1791	1834	1876	1919	1961	2004	2047
19	1102	1148	1194	1240	1286	1332	1378	1424	1469	1515	1561	1607	1653	1699	1745	1791	1837	1883	1929	1975	2020	2066	2112	2158	2204
20	1181	1230	1279	1328	1378	1427	1476	1525	1574	1624	1673	1722	1771	1820	1870	1919	1968	2017	2066	2116	2165	2214	2263	2312	2362
21	1260	1312	1364	1417	1469	1522	1574	1627	1679	1732	1784	1837	1889	1942	1994	2047	2099	2152	2204	2257	2309	2362	2414	2467	2519
22	1338	1394	1450	1506	1561	1617	1673	1729	1784	1840	1896	1952	2007	2063	2119	2175	2230	2286	2342	2398	2453	2509	2565	2621	2676
23	1417	1476	1535	1594	1653	1712	1771	1830	1889	1948	2007	2066	2125	2184	2244	2303	2362	2421	2480	2539	2598	2657	2716	2775	2834
24	1496	1558	1620	1683	1745	1807	1870	1932	1994	2057	2119	2181	2244	2306	2368	2430	2493	2555	2617	2680	2742	2804	2867	2929	2991
25	1574	1640	1706	1771	1837	1902	1968	2034	2099	2165	2230	2296	2362	2427	2493	2558	2624	2690	2755	2821	2886	2952	3018	3083	3149
26	1653	1722	1791	1860	1929	1998	2066	2135	2204	2273	2342	2411	2480	2549	2617	2686	2755	2824	2893	2962	3031	3100	3168	3237	3306
27	1732	1804	1876	1948	2020	2093	2166	2239	2312	2385	2458	2531	2604	2677	2750	2823	2896	2969	3042	3115	3188	3261	3334	3407	3480
28	1811	1886	1961	2037	2112	2188	2263	2339	2414	2490	2565	2640	2716	2791	2867	2942	3018	3093	3168	3244	3319	3395	3470	3546	3621
29	1889	1968	2047	2125	2204	2283	2362	2440	2519	2598	2676	2755	2834	2913	2991	3070	3149	3228	3306	3385	3464	3542	3621	3700	3779
30	1968	2050	2132	2214	2296	2378	2460	2542	2624	2706	2788	2870	2952	3034	3116	3198	3280	3362	3444	3526	3608	3690	3772	3854	3936
31	2047	2132	2217	2303	2388	2473	2558	2644	2729	2814	2900	2985	3070	3155	3241	3326	3411	3496	3582	3667	3752	3838	3923	4008	4093
32	2125	2214	2303	2391	2480	2568	2657	2745	2834	2922	3011	3100	3188	3277	3365	3454	3542	3631	3720	3808	3897	3985	4074	4162	4251
33	2204	2296	2388	2480	2572	2663	2755	2847	2939	3031	3123	3214	3306	3398	3490	3582	3674	3765	3857	3949	4041	4133	4225	4316	4408
34	2283	2378	2473	2568	2663	2758	2854	2949	3044	3139	3234	3329	3424	3519	3615	3710	3805	3900	3995	4090	4185	4280	4376	4471	4566
35	2362	2460	2558	2657	2755	2854	2952	3050	3149	3247	3346	3444	3542	3641	3739	3838	3936	4034	4133	4231	4330	4428	4526	4625	4723
36	2440	2542	2644	2745	2847	2949	3050	3152	3254	3355	3457	3559	3660	3762	3864	3966	4067	4169	4271	4372	4474	4576	4677	4779	4881
37	2519	2624	2729	2834	2939	3044	3149	3254	3359	3464	3569	3674	3779	3884	3988	4093	4198	4303	4408	4513	4618	4723	4828	4933	5038
38	2598	2706	2814	2922	3031	3139	3247	3355	3464	3572	3680	3788	3897	4005	4113	4221	4330	4438	4546	4654	4763	4871	4979	5087	5196
39	2676	2788	2900	3011	3123	3234	3346	3457	3569	3680	3792	3903	4015	4126	4238	4349	4461	4572	4684	4795	4907	5018	5130	5241	5353
40	2755	2870	2985	3100	3214	3329	3444	3559	3674	3788	3903	4018	4133	4248	4363	4477	4592	4707	4822	4936	5051	5166	5281	5396	5510
41	2834	2952	3070	3188	3306	3424	3542	3660	3779	3897	4015	4133	4251	4369	4487	4605	4723	4841	4959	5077	5196	5314	5432	5550	5668
42	2911	3116	3241	3365	3490	3615	3739	3864	3988	4113	4238	4362	4487	4612	4736	4861	4986	5110	5235	5360	5484	5609	5733	5858	5983
43	2991	3198	3326	3454	3582	3710	3838	3966	4093	4221	4349	4477	4605	4733	4861	4989	5117	5245	5373	5501	5628	5756	5884	6012	6140
44	3070	3280	3411	3542	3674	3805	3936	4067	4198	4330	4461	4592	4723	4854	4986	5117	5248	5379	5510	5642	5773	5904	6035	6166	6298
45	3149	3362	3496	3631	3765	3900	4034	4169	4303	4438	4572	4707	4841	4976	5110	5245	5379	5514	5648	5783	5917	6052	6186	6321	6455
46	3228	3444	3582	3720	3857	3995	4133	4271	4408	4546	4684	4822	4959	5097	5235	5373	5510	5648	5786	5924	6061	6199	6337	6475	6612
47	3306	3526	3667	3808	3949	4090	4231	4372	4513	4654	4795	4936	5077	5218	5360	5501	5642	5783	5924	6065	6206	6347	6488	6629	6770
48	3385	3608	3752	3897	4041	4185	4330	4474	4618	4763	4907	5051	5196	5340	5484	5628	5773	5917	6061	6206	6350	6494	6639	6783	6927
49	3464	3690	3838	3985	4133	4280	4428	4576	4723	4871	5018	5166	5314	5461	5609	5756	5904	6052	6199	6347	6494	6642	6790	6937	7085

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

(COLA Fund)

Summary of Actuarial Basis – Prior Basis

Valuation Date: January 1, 2011.

Valuation Method: Accrued Benefit Cost Method, based on benefits granted to date.

Asset Valuation Method: Market Value, plus present value of future minimum City contributions.

Actuarial Assumptions:

Investment Return: 7.75% compounded annually.

Mortality: 1994 Group Annuity Mortality Table, producing following specimen rates:

<u>Age</u>	<u>Male</u>	<u>Female</u>
20	.0507%	.0284%
30	.0801%	.0351%
40	.1072%	.0709%
50	.2579%	.1428%
60	.7976%	.4439%
70	2.3730%	1.3730%

Disabled Mortality: In accordance with Pension Benefit Guaranty Corporation non-OASDI basis, producing following specimen rates:

<u>Age</u>	<u>Male</u>	<u>Female</u>
30	0.13%	0.11%
40	0.31%	0.19%
50	0.83%	0.51%
60	2.05%	1.30%
70	4.85%	3.21%

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST
(COLA Fund)**

Summary of Actuarial Basis – Prior Basis
(Continued)

<u>Age</u>	<u>Disability</u>	<u>Turnover</u>	
		<u><5</u>	<u>5+</u>
20	.00085	.0240	.0192
21	.00095	.0240	.0192
22	.00105	.0240	.0192
23	.00110	.0240	.0192
24	.00125	.0240	.0192
25	.00130	.0240	.0192
26	.00140	.0240	.0192
27	.00150	.0240	.0192
28	.00160	.0240	.0192
29	.00170	.0240	.0192
30	.00180	.0240	.0192
31	.00200	.0240	.0192
32	.00220	.0240	.0192
33	.00245	.0240	.0192
34	.00265	.0240	.0192
35	.00285	.0240	.0192
36	.00305	.0228	.0182
37	.00325	.0216	.0173
38	.00345	.0204	.0163
39	.00370	.0192	.0154
40	.00390	.0180	.0144
41	.00470	.0168	.0134
42	.00555	.0156	.0125
43	.00635	.0144	.0115
44	.00720	.0132	.0106
45	.00800	.0120	.0096
46	.00880	.0096	.0077
47	.00965	.0072	.0057
48	.01045	.0048	.0038
49	.01130	.0024	.0019
50	.01210	.0000	.0000

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST
(COLA Fund)**

Summary of Actuarial Basis - Prior Basis
(Continued)

<u>Age</u>	<u>Disability</u>	<u>Turnover</u>	
		<u>< 5</u>	<u>5+</u>
51	.01295	.0000	.0000
52	.01375	.0000	.0000
53	.01455	.0000	.0000
54	.01540	.0000	.0000
55	.01620	.0000	.0000
56	.01785	.0000	.0000
57	.01870	.0000	.0000
58	.01950	.0000	.0000
59	.02030	.0000	.0000
60	.00000	.0000	.0000
61	.00000	.0000	.0000
62	.00000	.0000	.0000
63	.00000	.0000	.0000
64	.00000	.0000	.0000
65	.00000	.0000	.0000

Retirement: Fire Fighters who have attained 64 points by September 30, 2009 and all Police Officers are subject to the Rule of 64; the rest of the Fire Fighters are subject to the Rule of 68. If eligible for Retirement, the following decrements apply, based on service.

<u>Years of Service</u>	<u>Police %</u>	<u>Fire %</u>
<20	0	0
20-24	20	5
25-29	25	25
30-31	50	25
32	100	100

There is no explicit assumption on the percentage of retirements expected to enter the DROP. No distinction is necessary, since funding is calculated to expected retirement or expected DROP entry.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

(COLA Fund)

Summary of Actuarial Basis – Prior Basis
(Continued)

Type of Disability:	100% of the disabilities are expected to be accidental disabilities.
Recovery:	No probabilities of recovery are used.
Type of Death:	100% of the assumed deaths are expected to be ordinary deaths.
Remarriage:	No probabilities of remarriage are used.
Spouse's Ages:	Females are assumed to be 3 years younger than males.
Marital Status:	All employees are assumed to be married.
Investment Expenses:	Not provided for.
Withdrawal of Employee Contributions:	It is assumed that employees do not withdraw their contribution balances upon employment termination or retirement.
Adjustments from Valuation Date:	Liabilities are discounted for 3 months at the Investment Return assumption.
Sources of Data:	Asset data is from unaudited financial statements. Membership data was furnished by Administrator.
Changes from Prior Year Valuation:	None.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

(COLA Fund)

Summary of Actuarial Basis – Revised Basis

Valuation Date: January 1, 2011.

Valuation Method: Accrued Benefit Cost Method, based on benefits granted to date.

Asset Valuation Method: Market Value, plus present value of future minimum City contributions.

Actuarial Assumptions:

Investment Return: **7.50%, compounded annually.**

Mortality: RP 2000 Mortality Table, Employees and Annuitants Combined, projected by scale AA to 2020, producing following specimen rates:

<u>Age</u>	<u>Male</u>	<u>Female</u>
20	.0235%	.0138%
30	.0402%	.0216%
40	.0919%	.0522%
50	.1487%	.1189%
60	.4887%	.4573%
70	1.6413%	1.5145%
80	5.7647%	3.9866%

Disabled Mortality: RP 2000 Disabled Mortality Table projected by scale AA to 2020, producing following specimen rates:

<u>Age</u>	<u>Male</u>	<u>Female</u>
20	1.5696%	.5287%
30	2.0418%	.6093%
40	1.9221%	.5507%
50	2.0149%	.8186%
60	3.0450%	1.9756%
70	4.6257%	3.4045%
80	8.9456%	6.2834%

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST
(COLA Fund)**

Summary of Actuarial Basis – Revised Basis
(Continued)

<u>Age</u>	<u>Disability</u>	<u>Turnover</u>	
		<u><5</u>	<u>5+</u>
20	.00085	.0240	.0192
21	.00095	.0240	.0192
22	.00105	.0240	.0192
23	.00110	.0240	.0192
24	.00125	.0240	.0192
25	.00130	.0240	.0192
26	.00140	.0240	.0192
27	.00150	.0240	.0192
28	.00160	.0240	.0192
29	.00170	.0240	.0192
30	.00180	.0240	.0192
31	.00200	.0240	.0192
32	.00220	.0240	.0192
33	.00245	.0240	.0192
34	.00265	.0240	.0192
35	.00285	.0240	.0192
36	.00305	.0240	.0192
37	.00325	.0228	.0182
38	.00345	.0216	.0173
39	.00370	.0204	.0163
40	.00390	.0192	.0154
41	.00470	.0180	.0144
42	.00555	.0168	.0134
43	.00635	.0156	.0125
44	.00720	.0144	.0115
45	.00800	.0132	.0106
46	.00880	.0120	.0096
47	.00965	.0096	.0077
48	.01045	.0072	.0057
49	.01130	.0048	.0038
50	.01210	.0024	.0019
		.0000	.0000

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST
(COLA Fund)**

Summary of Actuarial Basis – Revised Basis
(Continued)

<u>Age</u>	<u>Disability</u>	<u>Turnover</u>	
		<u>< 5</u>	<u>5+</u>
51	.01295	.0000	.0000
52	.01375	.0000	.0000
53	.01455	.0000	.0000
54	.01540	.0000	.0000
55	.01620	.0000	.0000
56	.01785	.0000	.0000
57	.01870	.0000	.0000
58	.01950	.0000	.0000
59	.02030	.0000	.0000
60	.00000	.0000	.0000
61	.00000	.0000	.0000
62	.00000	.0000	.0000
63	.00000	.0000	.0000
64	.00000	.0000	.0000
65	.00000	.0000	.0000

Retirement: Fire Fighters who have attained 64 points by September 30, 2009 and all Police Officers are subject to the Rule of 64; the rest of the Fire Fighters are subject to the Rule of 68. If eligible for Retirement, the following decrements apply, based on service.

<u>Years of Service</u>	<u>Police %</u>	<u>Fire %</u>
<20	0	0
20-24	40	5
25-29	50	25
30-31	100	25
32	0	100

There is no explicit assumption on the percentage of retirements expected to enter the DROP. No distinction is necessary, since funding is calculated to expected retirement or expected DROP entry.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

(COLA Fund)

Summary of Actuarial Basis – Revised Basis
(Continued)

Type of Disability:	100% of the disabilities are expected to be accidental disabilities.
Recovery:	No probabilities of recovery are used.
Type of Death:	100% of the assumed deaths are expected to be ordinary deaths.
Remarriage:	No probabilities of remarriage are used.
Spouse's Ages:	Females are assumed to be 3 years younger than males.
Marital Status:	All employees are assumed to be married.
Investment Expenses:	Not provided for.
Withdrawal of Employee Contributions:	It is assumed that employees do not withdraw their contribution balances upon employment termination or retirement.
Adjustments from Valuation Date:	Liabilities are discounted for 3 months at the Investment Return assumption.
Sources of Data:	Asset data is from unaudited financial statements. Membership data was furnished by Administrator.
Changes from Prior Year Valuation:	Investment return/interest discount reduced from 7.75% to 7.5%; Retirement decrements increased for police; Mortality tables changed to RP 2000 projected to 2020; Disabled mortality table changed to RP 2000 disabled mortality table projected to 2020.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Disclosure Information Under GASB 5
(COLA Fund)
(Based on 01/01/2010 \$1,312 Table)

I. Funding Status and Progress as of September 30, 2010 and 2009

Pension benefit obligation:	<u>\$(Millions)</u>	
	<u>2010</u>	<u>2009</u>
- Retirees and beneficiaries currently receiving prior COLA benefits	1.5	1.6
- Retirees and beneficiaries receiving COLA tabular benefits (beginning January 1) and terminated employees not yet receiving tabular benefits	279.7	237.2
- Current Employees Accumulated employee contributions including interest	0.3	1.7
Employer - financed vested	0.0	0.0
Employer - financed non-vested	<u>34.1</u>	<u>49.5</u>
- Total pension benefit obligation	315.6	290.0
Net assets available for benefits	<u>311.8</u>	<u>296.3</u>
Unfunded pension benefit (obligation)/asset	(3.8)	6.3

The pension benefit obligations were determined as part of actuarial valuations at January 1, 2011 and January 1, 2010, based on data and asset information at September 30, 2010 and September 30, 2009. Significant actuarial assumptions used include (a) a rate of return on the investment of present and future assets of 7.50% per year (7.75% for 2009) compounded annually, (b) post retirement COLA benefits based on the table in effect at January 1, 2010 and January 1, 2009.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Disclosure Information Under GASB 5
(COLA Fund)
(Based on 01/01/2007 \$1,139 Table)

II. Contributions Required and Contributions Made

The funding policy provides for annual employer contributions for 21 years from January 1, 1994. The amount of the contribution was \$2.5 million, beginning January 1, 1994, increasing 4% per year each year thereafter, and reduced (but not below zero) by any excess investment income transfer due on the same date.

The excess investment income transfer consists of a portion of gains due to investment return exceeding the 7.75 percent assumption.

III. Analysis of funding Progress (\$ Millions)

Fiscal Year	(1) Net Assets Available for Benefits* (\$)	(2) Pension Benefit Obligation** (\$)	(3) Percent Funded (%)	(4) Unfunded PBO (2)-(1) (\$)	(5) Annual Covered Payroll (\$)	(4)/(5) (%)
1993	40.8	32.5	126	(8.3)	72.0	(12)
1994	42.6	51.5	83	8.9	72.9	12
1995	63.8	52.0	123	(11.8)	71.5	(17)
1996	83.9	65.7	128	(18.1)	72.9	(25)
1997	117.7	70.8	166	(46.9)	69.6	(67)
1998	144.2	90.9	159	(53.3)	74.3	(72)
1999	180.7	116.3	155	(64.4)	77.7	(83)
2000	220.5	137.0	161	(83.5)	84.3	(99)
2001	195.0	158.4	123	(36.6)	89.7	(41)
2002	174.1	164.5	106	(9.6)	96.9	(10)
2003	194.8	165.1	118	(29.7)	98.9	(30)
2004	210.3	185.7	113	(24.7)	89.2	(28)
2005	231.6	195.0	119	(36.6)	91.5	(40)
2006	249.0	216.8	115	(32.2)	90.4	(36)
2007	300.2	242.9	124	(57.3)	103.6	(55)
2008	305.8	279.4	109	(26.4)	129.4	(20)
2009	296.3	290.0	102	(6.3)	122.2	(5)
2010	311.8	315.6	99	3.8	80.2	5

* Excluding future City minimum contributions.

** Excluding new increment, contingency reserves, and reserves for future actives.

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Disclosure Information Under GASB 5
(COLA Fund)

IV. Revenues and Expenses

<u>Fiscal Year</u>	<u>Revenues by Source</u>			
	<u>Employee Contributions</u> (\$)	<u>Employer Contributions</u> (\$)	<u>Investment Income</u> (\$)	<u>Total</u> (\$)
1987	1,246,688	298,682	871,969	2,417,339
1988	1,272,000	0	393,935	1,665,935
1989	1,381,407	0	686,477	2,067,884
1990	1,457,451	0	694,749	2,152,200
1991	1,505,015	0	1,024,972	2,529,987
1992	1,422,192	0	1,031,806	2,453,998
1993	1,493,735	0	1,151,821	2,645,556
1994	474,233	9,481,546	1,313,750	11,269,529
1995	506	16,818,431	3,754,787	20,573,724
1996	0	2,622,149	3,795,508	6,417,657
1997	4,226	12,736,609	7,724,214	20,465,049
1998	1,094	14,344,834	10,325,730	24,671,658
1999	11,792	17,020,337	9,278,121	26,310,250
2000	293	23,437,048	18,932,095	42,369,436
2001	0	28,380,385	6,709,796	35,090,181
2002	0	32,080,031	571,271	32,651,302
2003	0	3,558,280	6,649,841	10,208,121
2004	0	3,700,611	9,923,222	13,623,833
2005	0	3,848,635	12,516,741	16,365,377
2006	0	0	25,340,983	25,340,983
2007	0	0	47,781,293	47,781,293
2008	0	0	44,539,016	44,539,016
2009	0	0	44,696,486	44,696,486
2010	0	4,682,453	18,493,888	23,176,341

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Disclosure Information Under GASB 5
(COLA Fund)
(Continued)

IV. Revenues and Expenses (Continued)

Fiscal Year	Expenses by Type			
	Benefits (\$)	Administrative Expenses (\$)	Refunds (\$)	Total (\$)
1987	183,548	7,301		
1988	321,908	387	36,679	227,528
1989	430,185	0	68,950	391,245
1990	534,058	0	46,021	476,206
1991	578,758	0	85,067	619,125
			76,730	655,488
1992	628,793	20,956		
1993	665,938	27,288	78,054	727,803
1994	1,657,947	7,430	84,945	778,171
1995	2,706,830	0	72,595	1,737,972
1996	3,051,315	0	101,814	2,808,644
			84,143	3,135,458
1997	3,676,801	0		
1998	4,695,927	0	124,925	3,801,726
1999	5,765,042	295,708	30,136	4,726,063
2000	7,016,378	334,588	17,974	6,078,724
2001	8,225,910	445,723	13,932	7,364,898
			16,796	8,688,429
2002	8,943,616	437,703		
2003	9,332,318	590,842	11,101	9,392,420
2004	9,916,255	609,251	9,806	9,932,966
2005	10,614,510	672,938	6,313	10,531,819
2006	11,760,071	807,594	1,182	11,288,630
			1,934	12,569,599
2007	13,304,749	944,477		
2008	15,666,175	1,053,599	388	14,249,614
2009	16,925,422	867,083	14,154	16,733,928
2010	17,236,918	1,164,379	0	17,795,505
			0	18,401,297

**CITY OF MIAMI
FIRE FIGHTERS' AND POLICE OFFICERS'
RETIREMENT TRUST**

Minimum Contribution Schedule (2011/2012)

	<u>Date</u>	<u>-\$-</u>
A. City Contribution	10/01/2011	42,353,775

Minimum Contribution Calculation

B. Net City Contribution	42,353,775
C. Minimum Contribution Rate at 10/01/2011	52.84%
D. Actual Payroll (10/1/2011 through 9/30/2012)	_____
E. Minimum Contribution at 10/01/2011 (greater of (A) and (C)X(D))	_____
F. Interest from 10/01/2011 to date of deposit ((E)-(A)) X .075 X (days from 10/01/2011 to deposit)/366	_____
G. Total Minimum Contributions	=====

Note: This Schedule reflects the City's practice of contributing the amount in (A) on the first business day of the Fiscal Year.