

CITY OF COOPER CITY GENERAL EMPLOYEES RETIREMENT PLAN
ACTUARIAL VALUATION REPORT AS OF OCTOBER 1, 2012

ANNUAL EMPLOYER CONTRIBUTION IS DETERMINED BY THIS VALUATION
FOR THE YEAR ENDING SEPTEMBER 30, 2014



January 22, 2013

Board of Trustees
City of Cooper City General Employees
Retirement Plan
Cooper City, Florida

Dear Board Members:

The results of the October 1, 2012 Annual Actuarial Valuation of the City of Cooper City General Employees Retirement Plan are presented in this report.

This report was prepared at the request of the Board and is intended for use by the Pension Plan and those designated or approved by the Board. This report may be provided to parties other than the Plan only in its entirety and only with the permission of the Board.

The purpose of the valuation is to measure the Plan's funding progress, to determine the employer contribution rate for the fiscal year ending September 30, 2014, and to determine the actuarial information for Governmental Accounting Standards Board (GASB) Statement No. 25 and No. 27.

This report should not be relied on for any purpose other than the purpose described above.

The findings in this report are based on data or other information through September 30, 2012. Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law.

The valuation was based upon information furnished by the Plan Administrator concerning Plan benefits, financial transactions, plan provisions and active members, terminated members, retirees and beneficiaries. We checked for internal and year-to-year consistency, but did not otherwise audit the data. We are not responsible for the accuracy or completeness of the information provided by the Plan Administrator.

This report was prepared using certain assumptions prescribed by the Board as described in Section B.

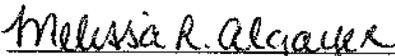
The undersigned actuaries are members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein. The signing actuaries are independent of the plan sponsor.

This report has been prepared by actuaries who have substantial experience valuing public employee retirement systems. To the best of our knowledge the information contained in this report is accurate and fairly presents the actuarial position of the Retirement Plan as of the valuation date. All calculations have been made in conformity with generally accepted actuarial principles and practices, with the Actuarial Standards of Practice issued by the Actuarial Standards Board and with applicable statutes.

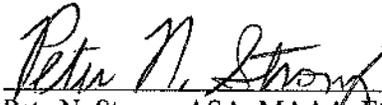
This actuarial valuation and/or cost determination was prepared and completed by me or under my direct supervision, and I acknowledge responsibility for the results. To the best of my knowledge, the results are complete and accurate. In my opinion, the techniques and assumptions used are reasonable, meet the requirements and intent of Part VII, Chapter 112, Florida Statutes, and are based on generally accepted actuarial principles and practices. 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.

Respectfully submitted,

GABRIEL, ROEDER, SMITH AND COMPANY



Melissa R. Algayer, MAAA, FCA
Enrolled Actuary No. 11-6467



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TABLE OF CONTENTS

Section	Title	Page
A	Discussion of Valuation Results	1
B	Valuation Results	
	1. Participant Data	4
	2. Annual Required Contribution	5
	3. Actuarial Value of Benefit and Assets	6
	4. Calculation of Employer Normal Cost	8
	5. Liquidation of the Unfunded Frozen Actuarial Accrued Liability	9
	6. Actuarial Gains and Losses	11
	7. Actuarial Assumptions and Cost Method	15
	8. Glossary of Terms	19
C	Pension Fund Information	
	1. Summary of Assets	22
	2. Summary of Fund's Income and Disbursements	23
	3. Actuarial Value of Assets	24
	4. Reconciliation of DROP Accounts	25
	5. Allocation of Assets	26
	6. Investment Rate of Return	27
D	Financial Accounting Information	
	1. FASB No. 35	28
	2. GASB No. 25	29
	3. GASB No. 27	31
E	Miscellaneous Information	
	1. Reconciliation of Membership Data	33
	2. Age and Service Distributions	34
	3. Inactive Participant Scatter	36
F	Summary of Plan Provisions	37

SECTION A
DISCUSSION OF VALUATION RESULTS

DISCUSSION OF VALUATION RESULTS

Closed Plan

In reviewing this Report, it is important for the reader to keep in mind that this System was closed to new members on October 25, 2011. One consequence of this closure is that the annual payment on the unfunded accrued liability for the City will continue to increase as a percentage of covered payroll as such payroll decreases from year to year. Therefore, the overall cost as a percentage of covered payroll will be increasing each year.

Comparison of Required Employer Contributions

A comparison of the required employer contribution developed in this and the last actuarial valuation is shown below.

	For FYE 9/30/2014 Based on 10/1/2012 Valuation	For FYE 9/30/2013 Based on 10/1/2011 Valuation	Increase (Decrease)
Required City Contribution	\$ 1,035,101	\$ 1,081,091	\$ (45,990)
As % of Covered Payroll	24.40 %	23.34 %	1.06 %
Required BSO Contribution Including Employee Portion	\$ 285,479	\$ 269,073	\$ 16,406
As % of Covered Payroll	74.54 %	70.75 %	3.79 %
Total Required Contribution	\$ 1,320,580	\$ 1,350,164	\$ (29,584)
As % of Covered Payroll	28.55 %	26.94 %	1.61 %

The required employer contribution was calculated under the assumption that payment would be made in equal installments at the end of each calendar quarter. The actual employer contribution for the fiscal year ending September 30, 2012 was \$1,403,241 compared to the required contribution of \$1,403,241 (based on \$312,138.75 paid on December 31, 2011 and the remainder paid on January 31, 2012).

Revisions in Benefits

There have been no revisions in benefits since the prior valuation.

Revisions in Actuarial Assumptions and Methods

The investment return assumption was reduced from 7.5% last year to 7.4% this year. This assumption will be reduced by 0.1% each year in subsequent valuations.

Since the Plan is closed, we recommend the number of years used to amortize changes in the Unfunded Actuarial Accrued Liability (UAAL) be reduced from 30 years to no more than 25 years, with the goal of having the UAAL paid off by the time the last active member retires. This could be done for all UAAL bases or for all existing bases which have more than 25 years remaining. If the maximum number of years used to amortize the UAAL was lowered to 25 years this year, the required contribution would increase by about \$2,200, or 0.05% of covered payroll. Additionally, we recommend the number of years used to amortize changes in the UAAL continue to be reduced in future years to 24 next year, 23 the following year, etc.

Actuarial Experience

There was a net actuarial gain of \$38,783 for the year which means that actual experience was more favorable than expected. Gains primarily due to lower than expected salary increases were partially offset by losses due to recognized investment return below the assumed rate of 7.5%. The investment return was 16.4% based on market value of assets, but only 6.0% based on actuarial value of assets.

Funded Ratio

The funded ratio this year is 75.9% compared to 73.9% last year. The funded ratio was 76.7% before the change in the investment return assumption. The funded ratio is equal to the actuarial value of assets divided by the actuarial accrued (past service) liability.

Variability of Future Contribution Rates

The Actuarial Cost Method used to determine the contribution rate is intended to produce contribution rates which are generally level as a percent of payroll. Even so, when experience differs from the assumptions, as it often does, the employer's contribution rate can vary significantly from year-to-year. Over time, if the year-to-year gains and losses offset each other, the contribution rate would be expected to return to the current level, but this does not always happen.

Relationship to Market Value

If Market Value had been the basis for the valuation, the contribution rate would have been 28.40% and the funded ratio would have been 76.1%. In the absence of other gains and losses, the employer contribution rate should decrease to that level over the next several years, but will increase due to further phase-in of the investment return assumption change.

Conclusion

The remainder of this Report includes detailed actuarial valuation results, financial information, miscellaneous information and statistics, and a summary of plan provisions.

SECTION B
VALUATION RESULTS

PARTICIPANT DATA		
	October 1, 2012	October 1, 2011
ACTIVE MEMBERS - City Employees		
Number	79	86
Covered Annual Payroll	\$ 4,242,090	\$ 4,631,136
Average Annual Payroll	\$ 53,697	\$ 53,850
Average Age	48.6	47.9
Average Past Service	10.7	9.8
Average Age at Hire	37.9	38.1
ACTIVE MEMBERS - BSO Employees		
Number	8	8
Covered Annual Payroll	\$ 382,997	\$ 380,339
Average Annual Payroll	\$ 47,875	\$ 47,542
Average Age	52.0	51.0
Average Past Service	14.3	13.3
Average Age at Hire	37.7	37.7
RETIREES & BENEFICIARIES & DROP		
Number	66	63
Annual Benefits	\$ 1,222,047	\$ 1,126,394
Average Annual Benefit	\$ 18,516	\$ 17,879
Average Age	65.8	65.2
DISABILITY RETIREES		
Number	2	2
Annual Benefits	\$ 34,089	\$ 34,089
Average Annual Benefit	\$ 17,045	\$ 17,045
Average Age	54.8	53.8
TERMINATED VESTED MEMBERS		
Number	5	5
Annual Benefits	\$ 86,287	\$ 86,225
Average Annual Benefit	\$ 17,257	\$ 17,245
Average Age	48.8	47.8

ANNUAL REQUIRED CONTRIBUTION (ARC)						
A Valuation Date	October 1, 2012		October 1, 2012		October 1, 2011	
	<i>After Assumption Change</i>		<i>Before Assumption Change</i>			
	<i>City Employees</i>	<i>BSO Transfers</i>	<i>City Employees</i>	<i>BSO Transfers</i>	<i>City Employees</i>	<i>BSO Transfers</i>
B. ARC to Be Paid During Fiscal Year Ending	9/30/2014	9/30/2014	9/30/2014	9/30/2014	9/30/2013	9/30/2013
C. Assumed Dates of Employer Contributions	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly
D Annual Payment to Amortize Unfunded Actuarial Liability	\$ 400,994	\$ 0	\$ 383,099	\$ 0	\$ 398,305	\$ 0
E. Employer Normal Cost	589,533	273,186	574,686	266,253	635,648	257,341
F. ARC if Paid on the Valuation Date: D+E	990,527	273,186	957,785	266,253	1,033,953	257,341
G. ARC Adjusted for Frequency of Payments	1,035,101	285,479	1,001,450	278,391	1,081,091	269,073
H ARC as % of Covered Payroll	24.40 %	74.54 %	23.61 %	72.69 %	23.34 %	70.75 %
I. Assumed Rate of Increase in Covered Payroll to Contribution Year	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %
J. Covered Payroll for Contribution Year	4,242,090	382,997	4,242,090	382,997	4,631,136	380,339
K ARC for Contribution Year: H x J	1,035,101	285,479	1,001,450	278,391	1,081,091	269,073
L. ARC as % of Covered Payroll in Contribution Year: K ÷ J	24.40 %	74.54 %	23.61 %	72.69 %	23.34 %	70.75 %

ACTUARIAL VALUE OF BENEFITS AND ASSETS						
A. Valuation Date	October 1, 2012			October 1, 2012		
	<i>After Assumption Change</i>			<i>Before Assumption Change</i>		
	<i>City Employees</i>	<i>BSO Transfers</i>	<i>Totals</i>	<i>City Employees</i>	<i>BSO Transfers</i>	<i>Totals</i>
Projected Benefits for						
1. Active Members						
a. Service Retirement Benefits	\$ 16,136,959	\$ 1,544,827	\$ 17,681,786	\$ 15,891,912	\$ 1,522,732	\$ 17,414,644
b. Vesting Benefits	1,053,733	71,461	1,125,194	1,030,337	70,167	1,100,504
c. Disability Benefits	695,401	67,727	763,128	685,003	66,823	751,826
d. Preretirement Death Benefits	211,856	20,279	232,135	208,898	20,033	228,931
e. Return of Member Contributions	20,426	14	20,440	20,414	14	20,428
f. Total	18,118,375	1,704,308	19,822,683	17,836,564	1,679,769	19,516,333
2. Inactive Members						
a. Service Retirees & Beneficiaries	10,916,154	2,283,414	13,199,568	10,825,258	2,264,507	13,089,765
b. Disability Retirees	365,979	-	365,979	362,995	-	362,995
c. Terminated Vested Members	563,403	113,986	677,389	555,719	112,328	668,047
d. Total	11,845,536	2,397,400	14,242,936	11,743,972	2,376,835	14,120,807
3. Total for All Members	29,963,911	4,101,708	34,065,619	29,580,536	4,056,604	33,637,140
C. Actuarial Accrued (Past Service) Liability per GASB No. 25	24,894,293	3,755,435	28,649,728	24,630,559	3,718,865	28,349,424
D. Actuarial Value of Accumulated Plan Benefits per FASB No. 35						
1. Based on Plan's Interest Rate	22,954,262	3,494,162	26,448,424	22,716,363	3,459,371	26,175,734
2. Based on the FRS Interest Rate	22,140,247	3,374,975	25,515,222	22,140,247	3,374,975	25,515,222
E. Plan Assets						
1. Market Value	19,230,493	2,558,379	21,788,872	19,230,493	2,558,379	21,788,872
2. Actuarial Value	19,193,694	2,553,531	21,747,225	19,193,694	2,553,531	21,747,225
F. Actuarial Present Value of Projected Covered Payroll	26,036,342	2,197,108	28,233,450	25,917,936	2,189,400	28,107,336
G. Actuarial Present Value of Projected Member Contributions	2,715,590	0	2,715,590	2,703,240	0	2,703,240

ACTUARIAL VALUE OF BENEFITS AND ASSETS			
A. Valuation Date	October 1, 2011		
	<i>City Employees</i>	<i>BSO Transfers</i>	<i>Totals</i>
Projected Benefits for			
1. Active Members			
a. Service Retirement Benefits	\$ 16,366,005	\$ 1,436,478	\$ 17,802,483
b. Vesting Benefits	1,074,116	80,163	1,154,279
c. Disability Benefits	710,218	63,989	774,207
d. Preretirement Death Benefits	220,878	19,326	240,204
e. Return of Member Contributions	35,715	23	35,738
f. Total	<u>18,406,932</u>	<u>1,599,979</u>	<u>20,006,911</u>
2. Inactive Members			
a. Service Retirees & Beneficiaries	9,802,294	2,297,841	12,100,135
b. Disability Retirees	368,580	-	368,580
c. Terminated Vested Members	515,761	104,328	620,089
d. Total	<u>10,686,635</u>	<u>2,402,169</u>	<u>13,088,804</u>
3. Total for All Members	29,093,567	4,002,148	33,095,715
C. Actuarial Accrued (Past Service) Liability per GASB No. 25	23,445,865	3,646,976	27,092,841
D. Actuarial Value of Accumulated Plan Benefits per FASB No. 35			
1. Based on Plan's Interest Rate	21,438,313	3,369,103	24,807,416
2. Based on the FRS Interest Rate	20,887,164	3,286,184	24,173,348
E. Plan Assets			
1. Market Value	15,967,709	2,225,476	18,193,185
2. Actuarial Value	17,562,471	2,446,524	20,008,995
F. Actuarial Present Value of Projected Covered Payroll	29,332,636	2,326,401	31,659,037
G. Actuarial Present Value of Projected Member Contributions	3,059,394	0	3,059,394

CALCULATION OF EMPLOYER NORMAL COST						
A. Valuation Date	October 1, 2012		October 1, 2012		October 1, 2011	
	<i>After Assumption Change</i>		<i>Before Assumption Change</i>			
	<i>City Employees</i>	<i>BSO Transfers</i>	<i>City Employees</i>	<i>BSO Transfers</i>	<i>City Employees</i>	<i>BSO Transfers</i>
B. Actuarial Present Value of Projected Benefits	\$ 29,963,911	\$ 4,101,708	\$ 29,580,536	\$ 4,056,604	\$ 29,093,567	\$ 4,002,148
C. Actuarial Value of Assets	19,193,694	2,553,531	19,193,694	2,553,531	17,562,471	2,446,524
D. Unfunded Actuarial Accrued Liability	4,577,990	0	4,314,256	0	4,570,010	0
E. Actuarial Present Value of Projected Member Contributions	2,715,590	0	2,703,240	0	3,059,394	0
F. Actuarial Present Value of Projected Employer Normal Costs: B-C-D-E	3,476,637	1,548,177	3,369,346	1,503,073	3,901,692	1,555,624
G. Actuarial Present Value of Projected Covered Payroll	26,036,342	2,197,108	25,917,936	2,189,400	29,332,636	2,326,401
H. Employer Normal Cost Rate: F/G	13.35 %	70.46 %	13.00 %	68.65 %	13.30 %	66.87 %
I. Covered Annual Payroll	4,242,090	382,997	4,242,090	382,997	4,631,136	380,339
J. Employer Normal Cost: H x I	566,319	269,860	551,472	262,927	615,941	254,333
K. Assumed Amount of Administrative Expenses	23,214	3,326	23,214	3,326	19,707	3,008
L. Total Employer Normal Cost: J+K	589,533	273,186	574,686	266,253	635,648	257,341
M. Employer Normal Cost as % of Covered Payroll	13.90 %	71.33 %	13.55 %	69.52 %	13.73 %	67.66 %

LIQUIDATION OF THE UNFUNDED ACTUARIAL ACCRUED LIABILITY

A. Derivation of the Current UAAL	
1. Last Year's UAAL	\$ 4,570,010
2. Last Year's Employer Normal Cost	635,648
3. Last Year's Contributions	1,219,648
4. Interest at the Assumed Rate on:	
a. 1 and 2 for one year	390,424
b. 3 from dates paid	62,178
c. a - b	<u>328,246</u>
5. This Year's UAAL Prior to Revision: 1 + 2 - 3 + 4c	4,314,256
6. Change in UAAL Due to Plan Amendments and/or Changes in Actuarial Assumptions	263,734
7. This Year's Revised UAAL: 5 + 6	4,577,990

B. UAAL Amortization Period and Payments					
Original UAAL			Current UAAL		
Years	Amortization Period (Years)	Amount	Years Remaining	Amount	Payment
10/1/1996	30	\$ (220,148)	14	\$ (136,774)	\$ (14,913)
10/1/1999	27	411,423	14	306,021	33,367
10/1/2000	30	920,235	18	758,724	72,270
10/1/2001	30	(111,846)	19	(94,555)	(8,775)
10/1/2002	30	651,970	20	563,819	51,105
10/1/2003	30	767,426	21	677,424	60,095
10/1/2004	30	697,594	22	629,899	54,794
10/1/2007	30	524,531	25	489,089	40,496
10/1/2007	30	795,472	25	741,724	61,413
10/1/2009	30	1,007,865	27	922,556	74,390
10/1/2009	30	(593,944)	27	(543,671)	(43,838)
10/1/2012	30	263,734	30	263,734	20,590
		<u>5,114,312</u>		<u>4,577,990</u>	<u>400,994</u>

C. Amortization Schedule

The UFAAL is being amortized as a level dollar amount over the number of years remaining in the amortization period. The expected amortization schedule is as follows:

Amortization Schedule	
Year	Expected UAAL
2012	\$ 4,577,990
2013	4,486,113
2014	4,387,417
2015	4,281,419
2016	4,167,576
2017	4,045,309
2022	3,284,102
2027	2,216,184
2032	936,793
2037	148,706
2042	0

ACTUARIAL GAINS AND LOSSES

When the actual plan experience differs from the actuarial assumptions, an actuarial gain or loss is the result. The net actuarial gain (loss) for the past year is computed as follows:

	<i>City Employees</i>	<i>BSO Transfers</i>	<i>Total</i>
A. Employer Normal Cost as a Percentage of Covered Payroll			
1. Prior Valuation	13.30 %	66.87 %	-
2. Current Valuation	13.00	68.65	-
3. Difference: 1 - 2	0.30	(1.78)	-
B. Actuarial Present Value of Projected Covered Payroll	\$25,917,936	\$2,189,400	\$28,107,336
C. Net Actuarial Gain (Loss): A3 x B	77,754	(38,971)	38,783
D. Gain (Loss) due to Investments	-	-	(305,321)
E. Gain (Loss) due to Other Causes	-	-	344,104

Net actuarial gains in previous years are on the following page.

Year Ending 9/30	Change in Employer Normal Cost Rate	Net Gain (Loss)
1981	0.35 %	\$ 8,072
1982	0.35	12,528
1983	0.20	9,760
1984	(0.85)	(81,158)
1985	(0.02)	(2,777)
1986	0.03	4,460
1987	(0.24)	(41,465)
1988	0.13	24,866
1989	0.16	33,689
1990	(0.03)	(6,649)
1991	(0.19)	(42,692)
1992	(0.11)	(27,945)
1993	(0.02)	(5,269)
1994	0.52	157,739
1995	0.29	84,210
1996	(0.23)	(70,865)
1997	0.65	211,531
1998	0.37	128,546
1999	0.74	256,936
2000	0.26	87,617
2001	0.42	153,442
2002	(1.78)	(665,219)
2003	(2.21)	(778,018)
2004	(0.70)	(199,189)
2005	0.05	16,158
2006	(0.66)	(239,145)
2007	0.65	241,481
2008	(3.14)	(1,179,079)
2009	(0.75)	(279,745)
2010	(0.91)	(319,581)
2011	(0.79)	(248,878)
2012	0.14	38,783

The fund earnings and salary increase assumptions have considerable impact on the cost of the Plan so it is important that they are in line with the actual experience. The following table shows the actual fund earnings and salary increase rates compared to the assumed rates for the last few years:

Year Ending 9/30	Investment Return		Salary Increases	
	Actual	Assumed	Actual	Assumed
1987	7.4 %	8.0 %	7.2 %	8.00 %
1988	6.9	8.0	7.6	8.00
1989	10.1	8.0	5.6	8.00
1990	5.5	8.0	3.0	8.00
1991	15.0	8.0	10.2	8.00
1992	10.3	8.0	8.8	8.00
1993	8.7	8.0	6.7	8.00
1994	5.9	8.0	5.9	8.00
1995	8.9	8.0	4.6	7.25
1996	8.4	8.0	6.4	7.25
1997	10.1	8.0	5.2	7.25
1998	8.5	8.0	4.4	7.25
1999	10.7	8.0	5.0	7.25
2000	5.7	8.0	6.0	7.25
2001	8.5	8.0	5.6	7.25
2002	3.2	8.0	5.8	6.50
2003	3.7	8.0	6.5	6.50
2004	3.0	8.0	3.6	6.50
2005	3.9	8.0	5.4	6.50
2006	5.0	8.0	11.1	6.50
2007	8.6	8.0	5.5	6.50
2008	3.4	8.0	5.9	6.50
2009	2.2	8.0	2.9	6.50
2010	5.2	7.5	3.2	6.00
2011	4.0	7.5	1.8	6.00
2012	6.0	7.5	0.4	6.00
Averages	6.8 %	---	5.5 %	---

The actual investment return rates shown above are based on the actuarial value of assets. The actual salary increase rates shown above are the increases received by those active members who were included in the actuarial valuation both at the beginning and the end of each period.

Actual (A) Compared to Expected (E) Decrements Among Active Employees													
Year Ended	Number Added During Year		Service & DROP Retirement		Disability Retirement		Death		Terminations				Active Members End of Year
	A	E	A	E	A	E	A	E	Vested	Other	Totals		
									A	A	A	E	
9/30/2006	16	15	5	9	0	0	0	0	1	9	10	4	105
9/30/2007	8	8	6	4	0	0	0	0	0	2	2	4	105
9/30/2008	7	10	7	4	0	0	0	0	0	3	3	4	102
9/30/2009	1	0	0	4	0	0	0	0	0	0	0	4	103
9/30/2010	2	5	2	4	0	0	0	0	1	2	3	3	100
9/30/2011	0	6	5	7	0	0	0	0	1	0	1	3	94
9/30/2012	0	7	3	8	0	0	0	0	1	3	4	3	87
9/30/2013				8		0		0				2	
7 Yr Totals *	34	51	28	40	0	0	0	0	4	19	23	25	

* Totals are through current Plan Year only.

ACTUARIAL ASSUMPTIONS AND COST METHOD

Valuation Methods

Actuarial Cost Method (City Employees) - Normal cost and the allocation of benefit values between service rendered before and after the valuation date were determined using the **Frozen Entry-Age Actuarial Cost Method**. The excess of the Actuarial Present Value of Projected Benefits of the group included in the valuation, over the sum of the Actuarial Value of Assets, the Unfunded Frozen Actuarial Accrued Liability and the Actuarial Present Value of Future Member Contributions (if any) is allocated as a level percentage of earnings of the group between the valuation date and the assumed retirement age. This allocation is performed for the group as a whole, not as a sum of individual allocations. The portion of this Actuarial Present Value allocated to a specific year is called the Employer Normal Cost.

Under this method, actuarial gains (losses) reduce (increase) future Normal Costs.

Actuarial Cost Method (BSO Employees) - Normal cost and the allocation of benefit values between service rendered before and after the valuation date were determined using the **Aggregate Method**. The excess of the Actuarial Present Value of Projected Benefits of the group included in the valuation, over the sum of the Actuarial Value of Assets and the Actuarial Present Value of Future Member Contributions (if any) is allocated as a level percentage of earnings of the group between the valuation date and the assumed retirement age. This allocation is performed for the group as a whole, not as a sum of individual allocations. The portion of this Actuarial Present Value allocated to a specific year is called the Employer Normal Cost.

Under this method, actuarial gains and losses, plan amendments, and changes in actuarial assumptions and methods reduce or increase future Normal Costs.

Financing of Unfunded Actuarial Accrued Liabilities - Unfunded Actuarial Accrued Liabilities (full funding credit if assets exceed liabilities) were amortized by level (principal & interest combined) dollar amount contributions over a reasonable period of future years.

Actuarial Value of Assets - The Actuarial Value of Assets phases in the difference between the actual and expected investment earnings over a period of five years. The Actuarial Value of Assets will be further adjusted to the extent necessary to fall within the corridor whose lower limit is 80% of the Market Value of plan assets and whose upper limit is 120% of the Market Value of plan assets. During periods when investment performance exceeds the assumed rate, Actuarial Value of Assets will tend to be less than Market Value. During periods when investment performance is less than assumed rate, Actuarial Value of Assets will tend to be greater than Market Value.

Valuation Assumptions

The actuarial assumptions used in the valuation are shown in this Section.

Economic Assumptions

The investment return rate assumed in the valuation has been reduced from 7.5% to 7.4% per year, compounded annually (net after investment expenses). This assumption will be lowered by 0.1% per year in subsequent valuations.

The **Wage Inflation Rate** assumed in this valuation was 3% per year. The Wage Inflation Rate is defined to be the portion of total pay increases for an individual that are due to macroeconomic forces including productivity, price inflation, and labor market conditions. The wage inflation rate does not

include pay changes related to individual merit and seniority effects.

The assumed **real rate of return** over wage inflation is defined to be the portion of total investment return that is more than the assumed wage inflation rate. Considering other economic assumptions, the 7.4% investment return rate translates to an assumed real rate of return over wage inflation of 4.4%.

Pay increase assumptions for individual active members are shown below. Part of the assumption for each age is for merit and/or seniority increase, and the other 3% recognizes wage inflation, including price inflation, productivity increases, and other macroeconomic forces.

The rates of salary increase used for individual members are in accordance with the following table. This assumption is used to project a member's current salary to the salaries upon which benefits will be based.

Years of Service	% Increase in Salary		
	Merit and Seniority	Base (Economic)	Total Increase
All	3.0%	3.0%	6.0%

Demographic Assumptions

The mortality table was the RP-2000 Combined Healthy Participant Mortality Tables for males and females. The provision for future mortality improvements is being made by using Scale AA after 2000.

Sample Attained Ages (in 2012)	Probability of Dying Next Year		Future Life Expectancy (years)	
	Men	Women	Men	Women
50	0.17 %	0.14 %	34.08	35.52
55	0.29	0.25	28.96	30.57
60	0.56	0.48	24.04	25.79
65	1.08	0.91	19.45	21.31
70	1.85	1.58	15.28	17.20
75	3.19	2.55	11.53	13.48
80	5.71	4.22	8.35	10.19

This assumption is used to measure the probabilities of each benefit payment being made after retirement. For active members, the probabilities of dying before retirement were based upon the same mortality table as members dying after retirement.

For disabled retirees, the regular mortality tables are set forward 5 years in ages to reflect impaired longevity.

The rates of retirement used to measure the probability of eligible members retiring during the next year were as follows:

Number of Years After First Eligibility for Normal Retirement	Probability of Normal Retirement
0	70 %
1	40
2	40
3	40
4	40
5	100

The rate of retirement is 3% for each year of eligibility for early retirement.

Rates of separation from active membership were as shown below (rates do not apply to members eligible to retire and do not include separation on account of death or disability). This assumption measures the probabilities of members remaining in employment.

Sample Ages	% of Active Members Separating Within Next Year
20	12.4 %
25	11.7
30	10.5
35	8.3
40	5.7
45	3.5
50	1.5
55	0.6
60	0.5

Rates of disability among active members.

Sample Ages	% Becoming Disabled within Next Year
20	0.07 %
25	0.09
30	0.11
35	0.14
40	0.19
45	0.30
50	0.51
55	0.96
60	1.66

Miscellaneous and Technical Assumptions

<i>Administrative & Investment Expenses</i>	The investment return assumption is intended to be the return net of investment expenses. Annual administrative expenses are assumed to be equal to the average of the expenses over the previous 2 years. Assumed administrative expenses are added to the Normal Cost.
<i>Benefit Service</i>	Exact fractional service is used to determine the amount of benefit payable.
<i>Decrement Operation</i>	Disability and mortality decrements operate during retirement eligibility.
<i>Decrement Timing</i>	Decrements of all types are assumed to occur at the beginning of the year.
<i>Eligibility Testing</i>	Eligibility for benefits is determined based upon the age nearest birthday and service nearest whole year on the date the decrement is assumed to occur.
<i>Forfeitures</i>	For vested separations from service, it is assumed that 0% of members separating will withdraw their contributions and forfeit an employer financed benefit. It was further assumed that the liability at termination is the greater of the vested deferred benefit (if any) or the member's accumulated contributions.
<i>Incidence of Contributions</i>	Employer contributions are assumed to be made quarterly. Employee contributions are assumed to be received continuously throughout the year based upon the computed percent of payroll shown in this report, and the actual payroll payable at the time contributions are made.
<i>Marriage Assumption</i>	100% of males and 100% of females are assumed to be married for purposes of death-in-service benefits. Male spouses are assumed to be three years older than female spouses for active member valuation purposes.
<i>Normal Form of Benefit</i>	A life annuity is the normal form of benefit.
<i>Pay Increase Timing</i>	End of fiscal year. This is equivalent to assuming that reported pay represents the rate of pay for the fiscal year beginning on the valuation date.
<i>Service Credit Accruals</i>	It is assumed that members accrue one year of service credit per year.

GLOSSARY

<i>Actuarial Accrued Liability (AAL)</i>	The difference between the Actuarial Present Value of Future Benefits, and the Actuarial Present Value of Future Normal Costs.
<i>Actuarial Assumptions</i>	Assumptions about future plan experience that affect costs or liabilities, such as: mortality, withdrawal, disablement, and retirement; future increases in salary; future rates of investment earnings; future investment and administrative expenses; characteristics of members not specified in the data, such as marital status; characteristics of future members; future elections made by members; and other items.
<i>Actuarial Cost Method</i>	A procedure for allocating the Actuarial Present Value of Future Benefits between the Actuarial Present Value of Future Normal Costs and the Actuarial Accrued Liability.
<i>Actuarial Equivalent</i>	Of equal Actuarial Present Value, determined as of a given date and based on a given set of Actuarial Assumptions.
<i>Actuarial Present Value (APV)</i>	The amount of funds required to provide a payment or series of payments in the future. It is determined by discounting the future payments with an assumed interest rate and with the assumed probability each payment will be made.
<i>Actuarial Present Value of Future Benefits (APVFB)</i>	The Actuarial Present Value of amounts which are expected to be paid at various future times to active members, retired members, beneficiaries receiving benefits, and inactive, nonretired members entitled to either a refund or a future retirement benefit. Expressed another way, it is the value that would have to be invested on the valuation date so that the amount invested plus investment earnings would provide sufficient assets to pay all projected benefits and expenses when due.
<i>Actuarial Valuation</i>	The determination, as of a valuation date, of the Normal Cost, Actuarial Accrued Liability, Actuarial Value of Assets, and related Actuarial Present Values for a plan. An Actuarial Valuation for a governmental retirement system typically also includes calculations of items needed for compliance with GASB No. 25, such as the Funded Ratio and the Annual Required Contribution (ARC).
<i>Actuarial Value of Assets</i>	The value of the assets as of a given date, used by the actuary for valuation purposes. This may be the market or fair value of plan assets or a smoothed value in order to reduce the year-to-year volatility of calculated results, such as the funded ratio and the actuarially required contribution (ARC).

<i>Amortization Method</i>	A method for determining the Amortization Payment. The most common methods used are level dollar and level percentage of payroll. Under the Level Dollar method, the Amortization Payment is one of a stream of payments, all equal, whose Actuarial Present Value is equal to the UAAL. Under the Level Percentage of Pay method, the Amortization Payment is one of a stream of increasing payments, whose Actuarial Present Value is equal to the UAAL. Under the Level Percentage of Pay method, the stream of payments increases at the rate at which total covered payroll of all active members is assumed to increase.
<i>Amortization Payment</i>	That portion of the plan contribution or ARC which is designed to pay interest on and to amortize the Unfunded Actuarial Accrued Liability.
<i>Amortization Period</i>	The period used in calculating the Amortization Payment.
<i>Annual Required Contribution (ARC)</i>	The employer's periodic required contributions, expressed as a dollar amount or a percentage of covered plan compensation, determined under GASB No. 25. The ARC consists of the Employer Normal Cost and Amortization Payment.
<i>Closed Amortization Period</i>	A specific number of years that is reduced by one each year, and declines to zero with the passage of time. For example if the amortization period is initially set at 30 years, it is 29 years at the end of one year, 28 years at the end of two years, etc.
<i>Employer Normal Cost</i>	The portion of the Normal Cost to be paid by the employer. This is equal to the Normal Cost less expected member contributions.
<i>Equivalent Single Amortization Period</i>	For plans that do not establish separate amortization bases (separate components of the UAAL), this is the same as the Amortization Period. For plans that do establish separate amortization bases, this is the period over which the UAAL would be amortized if all amortization bases were combined upon the current UAAL payment.
<i>Experience Gain/Loss</i>	A measure of the difference between actual experience and that expected based upon a set of Actuarial Assumptions, during the period between two actuarial valuations. To the extent that actual experience differs from that assumed, Unfunded Actuarial Accrued Liabilities emerge which may be larger or smaller than projected. Gains are due to favorable experience, e.g., the assets earn more than projected, salaries do not increase as fast as assumed, members retire later than assumed, etc. Favorable experience means actual results produce actuarial liabilities not as large as projected by the actuarial assumptions. On the other hand, losses are the result of unfavorable experience, i.e., actual results that produce Unfunded Actuarial Accrued Liabilities which are larger than projected.
<i>Funded Ratio</i>	The ratio of the Actuarial Value of Assets to the Actuarial Accrued Liability.

<i>GASB</i>	Governmental Accounting Standards Board.
<i>GASB No. 25 and GASB No. 27</i>	These are the governmental accounting standards that set the accounting rules for public retirement systems and the employers that sponsor or contribute to them. Statement No. 27 sets the accounting rules for the employers that sponsor or contribute to public retirement systems, while Statement No. 25 sets the rules for the systems themselves.
<i>Normal Cost</i>	The annual cost assigned, under the Actuarial Cost Method, to the current plan year.
<i>Open Amortization Period</i>	An open amortization period is one which is used to determine the Amortization Payment but which does not change over time. In other words, if the initial period is set as 30 years, the same 30-year period is used in determining the Amortization Period each year. In theory, if an Open Amortization Period is used to amortize the Unfunded Actuarial Accrued Liability, the UAAL will never completely disappear, but will become smaller each year, either as a dollar amount or in relation to covered payroll.
<i>Unfunded Actuarial Accrued Liability</i>	The difference between the Actuarial Accrued Liability and Actuarial Value of Assets.
<i>Valuation Date</i>	The date as of which the Actuarial Present Value of Future Benefits are determined. The benefits expected to be paid in the future are discounted to this date.

SECTION C
PENSION FUND INFORMATION

STATEMENT OF PLAN ASSETS AT MARKET VALUE

Item	September 30	
	2012	2011
A. Cash and Cash Equivalents (Operating Cash)	\$ 337	\$ 37,825
B. Receivables:		
1. Member Contributions	\$ -	\$ -
2. Employer Contributions	\$ -	\$ -
3. BSO Contributions	\$ -	\$ -
4. Investment Income and Other Receivables	88,437	81,127
5. Total Receivables	<u>\$ 88,437</u>	<u>\$ 81,127</u>
C. Investments		
1. Short-Term Investments	\$ 1,037,665	\$ 764,468
2. Domestic and International Equities	12,279,298	9,432,710
3. Domestic and International Fixed Income	7,399,950	7,022,799
4. Real Estate	1,892,959	1,201,301
5. Private Equity	-	-
6. Total Investments	<u>\$ 22,609,872</u>	<u>\$ 18,421,278</u>
D. Liabilities		
1. Benefits/Refunds Payable	\$ (36,157)	\$ (35,788)
2. Accrued Expenses and Other Payables	(35,673)	(30,892)
3. DROP Accounts	(650,248)	(280,365)
4. Prepaid Contribution (BSO)	-	-
5. Other	(187,696)	-
6. Total Liabilities	<u>\$ (909,774)</u>	<u>\$ (347,045)</u>
E. Total Market Value of Assets Available for Benefits	\$ 21,788,872	\$ 18,193,185
F. Allocation of Investments		
1. Short-Term Investments	4.59%	4.15%
2. Domestic and International Equities	54.31%	51.21%
3. Domestic and International Fixed Income	32.73%	38.12%
4. Real Estate	8.37%	6.52%
5. Private Equity	0.00%	0.00%
6. Total Investments	<u>100.00%</u>	<u>100.00%</u>

RECONCILIATION OF PLAN ASSETS

Item	September 30	
	2012	2011
A. Market Value of Assets at Beginning of Year	\$ 18,473,550	\$ 17,398,115
B. Revenues and Expenditures		
1. Contributions		
a. Employee Contributions	\$ 456,966	\$ 495,373
b. City Contributions	1,219,648	1,221,437
c. BSO Employer and Employee Contributions	183,593	173,265
d. Purchased Service Credit	-	-
e. Other	-	-
f. Total	<u>\$ 1,860,207</u>	<u>\$ 1,890,075</u>
2. Investment Income		
a. Interest, Dividends, and Other Income	\$ 534,844	\$ 456,593
b. Net Realized and Unrealized Gains/(Losses)	2,728,709	(182,120)
c. Investment Expenses	<u>(157,484)</u>	<u>(134,658)</u>
d. Net Investment Income	\$ 3,106,069	\$ 139,815
3. Benefits and Refunds		
a. Refunds	\$ (60,555)	\$ (10,196)
b. Regular Monthly Benefits	(905,001)	(895,306)
c. DROP Payments	<u>(7,480)</u>	<u>(23,545)</u>
d. Total	\$ (973,036)	\$ (929,047)
4. Administrative and Miscellaneous Expenses	\$ (27,670)	\$ (25,408)
5. Transfers	\$ -	\$ -
C. Market Value of Assets at End of Year	\$ 22,439,120	\$ 18,473,550
D. Less: DROP Account Balance	\$ (650,248)	\$ (280,365)
E. Final Market Value of Assets at End of Year	\$ 21,788,872	\$ 18,193,185

DEVELOPMENT OF ACTUARIAL VALUE OF ASSETS

Valuation Date – September 30	2009	2010	2011	2012	2013
A. Actuarial Value of Assets Beginning of Year	\$ 15,085,484	\$ 16,746,949	\$ 18,583,122	\$ 20,289,360	
B. Market Value End of Year	15,292,824	17,398,115	18,473,550	22,439,120	
C. Market Value Beginning of Year	14,422,241	15,292,824	17,398,115	18,473,550	
D. Non-Investment/Administrative Net Cash Flow	627,257	945,111	935,620	859,501	
E. Investment Income					
E1. Actual Market Total: B-C-D	243,326	1,160,180	139,815	3,106,069	
E2. Assumed Rate of Return	8.00%	7.50%	7.50%	7.50%	7.40%
E3. Assumed Amount of Return	1,231,929	1,291,463	1,428,820	1,553,933	
E4. Amount Subject to Phase-In: E1-E3	(988,603)	(131,283)	(1,289,005)	1,552,136	
F. Phase-In Recognition of Investment Income					
F1. Current Year: 0.20 x E4	(197,721)	(26,257)	(257,801)	310,427	-
F2. First Prior Year	-	(197,721)	(26,257)	(257,801)	310,427
F3. Second Prior Year	-	-	(197,721)	(26,257)	(257,801)
F4. Third Prior Year	-	-	-	(197,721)	(26,257)
F5. Fourth Prior Year	-	-	-	-	(197,721)
F6. ASOP 44 Compliance Adjustment*	-	(176,423)	(176,423)	(133,969)	(176,423)
F7. Total Phase-Ins	(197,721)	(400,401)	(658,202)	(305,321)	(347,775)
G. Actuarial Value of Assets End of Year					
G1. Preliminary Actuarial Value of Assets End of Year: A+D+E3+F7	\$ 16,746,949	\$ 18,583,122	\$ 20,289,360	\$ 22,397,473	
G2. Upper Corridor Limit: 120% *B	18,351,389	20,877,738	22,168,260	26,926,944	
G3. Lower Corridor Limit: 80% *B	12,234,259	13,918,492	14,778,840	17,951,296	
G4. Funding Value End of Year	16,746,949	18,583,122	20,289,360	22,397,473	
G5. Less: DROP Balance	85,351	120,646	280,365	650,248	
G6. Final Funding Value End of Year	16,661,598	18,462,476	20,008,995	21,747,225	
H. Difference between Market & Actuarial Value of Assets	(1,454,125)	(1,185,007)	\$ (1,815,810)	\$ 41,647	
I. Actuarial Rate of Return	6.72%	5.17%	4.05%	6.03%	
J. Market Value Rate of Return	1.65%	7.36%	0.78%	16.43%	
K. Ratio of Actuarial Value of Assets to Market Value	109.56%	106.81%	109.83%	99.81%	

* An adjustment of (\$705,690) is required on a prospective basis beginning with the fiscal year ending September 30, 2010, and a one-time adjustment of \$42,454 is required as of September 30, 2012.

Reconciliation of Deferred Retirement Option Plan (DROP) Accounts	
Value at Beginning of Period	\$ 280,365
Adjustment	(20)
Payments Credited to Account	314,496
Investment Earnings Credited	62,887
Withdrawals from Accounts	(7,480)
Value at End of Period	650,248

ASSET ALLOCATION

	<u>BSO</u>	<u>City</u>	<u>Total</u>
Market Value at BOY	2,225,476	15,967,709	18,193,185
Present Value of Buybacks	-	-	-
DROD Accounts	23,404	256,961	280,365
Gross Market Value at BOY	2,248,880	16,224,670	18,473,550
<u>Contributions</u>			
City EE Contributions	-	456,966	456,966
City ER Contributions	-	1,219,648	1,219,648
BSO ER & EE Contributions	183,593	-	183,593
Total Income	183,593	1,676,614	1,860,207
<u>Disbursements</u>			
Monthly Benefit Payments	185,843	719,158	905,001
DROD Distributions	-	7,480	7,480
Refunds of Contributions	-	60,555	60,555
Investment Related Expenses	19,171	138,313	157,484
Other Administrative Expenses	3,368	24,302	27,670
Insurance Premiums	-	-	-
Total Disbursements	208,382	949,808	1,158,190
Weighted Market Value	2,236,486	16,588,073	18,824,559
Total Investment Earnings	387,732	2,875,821	3,263,553
Market Value - Gross	2,611,823	19,827,297	22,439,120
DROD Accounts	53,444	596,804	650,248
Market Value at End of Period	2,558,379	19,230,493	21,788,872
Actuarial Value	2,606,975	19,790,498	22,397,473
DROD	53,444	596,804	650,248
Net Actuarial Value	2,553,531	19,193,694	21,747,225

INVESTMENT RATE OF RETURN

The approximate annual rates of investment return have been calculated on two bases and are shown below:

Year Ending September 30th	Investment Rate of Return	
	Market Value	Actuarial Value
1981	11.6 %	11.6 %
1982	12.7	12.7
1983	10.6	10.6
1984	10.0	10.0
1985	10.3	10.3
1986	6.1	6.9
1987	7.7	7.4
1988	6.4	6.9
1989	12.2	10.1
1990	3.6	5.5
1991	21.2	15.0
1992	11.9	10.3
1993	8.0	8.7
1994	(1.7)	5.9
1995	19.2	8.9
1996	10.3	8.4
1997	20.1	10.1
1998	8.4	8.5
1999	10.1	10.7
2000	8.2	5.7
2001	(1.7)	8.5
2002	(3.9)	3.2
2003	11.5	3.7
2004	6.9	3.0
2005	10.2	3.9
2006	7.0	5.0
2007	12.7	8.6
2008	(12.5)	3.4
2009	1.6	2.2
2010	7.4	5.2
2011	0.8	4.0
2012	16.4	6.0
Average Returns :		
Last 5 Years	2.3 %	4.2 %
Last 10 Years	5.9 %	4.5 %
All Years	8.0 %	7.5 %

* Net of investment expenses after 2006.

SECTION D
FINANCIAL ACCOUNTING INFORMATION

FASB NO. 35 INFORMATION		
A. Valuation Date	October 1, 2012	October 1, 2011
B. Actuarial Present Value of Accumulated Plan Benefits		
1. Vested Benefits		
a. Members Currently Receiving Payments	\$ 13,565,547	12,468,715
b. Terminated Vested Members	677,389	620,089
c. Other Members	<u>11,872,825</u>	<u>11,084,469</u>
d. Total	26,115,761	24,173,273
2. Non-Vested Benefits	332,663	634,143
3. Total Actuarial Present Value of Accumulated Plan Benefits: 1d + 2	26,448,424	24,807,416
4. Accumulated Contributions of Active Members	4,835,500	4,080,919
C. Changes in the Actuarial Present Value of Accumulated Plan Benefits		
1. Total Value at Beginning of Year	24,807,416	23,260,306
2. Increase (Decrease) During the Period Attributable to:		
a. Plan Amendment	0	0
b. Change in Actuarial Assumptions	272,690	0
c. Latest Member Data, Benefits Accumulated and Decrease in the Discount Period	2,648,370	2,476,157
d. Benefits Paid	<u>(1,280,052)</u>	<u>(929,047)</u>
e. Net Increase	1,641,008	1,547,110
3. Total Value at End of Period	26,448,424	24,807,416
D. Actuarial Present Value of Accumulated Plan Benefits at FRS rate		
1. Vested Benefits	25,211,822	23,573,277
2. Non-Vested Benefits	303,400	600,071
3. Total	25,515,222	24,173,348
E. Market Value of Assets	21,788,872	18,193,185
F. Funded Ratio: E÷D3	85.40 %	75.26 %
G. Actuarial Assumptions - See page entitled Actuarial Assumptions and Methods		

SCHEDULE OF FUNDING PROGRESS
(GASB Statement No. 25)

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) - Entry Age (b)	Unfunded AAL (UAAL) (b) - (a)	Funded Ratio (a) / (b)	Covered Payroll (c)	UAAL As % of Covered Payroll (b - a) / c
10/1/1993	\$ 5,463,381	\$ 5,872,846	\$ 409,465	93.0 %	\$ 4,880,767	8.4 %
10/1/1994	6,643,449	7,740,789	1,097,340	85.8	5,541,940	19.8
10/1/1995	8,159,543	9,095,864	936,321	89.7	5,787,179	16.2
10/1/1996	9,766,918	10,154,900	387,982	96.2	6,235,012	6.2
10/1/1997	11,633,049	11,432,645	(200,404)	101.8	6,348,795	(3.2)
10/1/1998	13,486,497	12,937,090	(549,407)	104.2	7,058,737	(7.8)
10/1/1999	6,315,092	6,076,148	(238,944)	103.9	3,494,300	(6.8)
10/1/2000	6,953,308	7,501,451	548,143	92.7	3,785,129	14.5
10/1/2001	7,810,426	8,359,137	548,711	93.4	3,970,651	13.8
10/1/2002	8,276,575	9,765,995	1,489,420	84.7	4,225,613	35.2
10/1/2003	8,986,939	11,586,664	2,599,725	77.6	4,669,102	55.7
10/1/2004	9,824,507	13,789,862	3,965,355	71.2	4,472,264	88.7
10/1/2005	11,007,218	14,867,345	3,860,127	74.0	4,690,414	82.3
10/1/2006	12,205,942	16,275,780	4,069,838	75.0	4,977,931	81.8
10/1/2007	13,868,934	19,014,592	5,145,658	72.9	5,154,649	99.8
10/1/2008	15,031,748	21,383,418	6,351,670	70.3	5,172,878	122.8
10/1/2009 (b)	15,973,815	22,648,342	6,674,527	70.5	5,360,748	124.5
10/1/2009 (a)	16,661,598	23,789,482	7,127,884	70.0	5,360,748	133.0
10/1/2010	18,462,476	25,632,813	7,170,337	72.0	5,360,118	133.8
10/1/2011	20,008,995	27,092,841	7,083,846	73.9	5,011,475	141.4
10/1/2012 (b)	21,747,225	28,349,424	6,602,199	76.7	4,625,087	142.7
10/1/2012 (a)	21,747,225	28,649,728	6,902,503	75.9	4,625,087	149.2

(b) Before Method and Assumption Changes

(a) After Method and Assumption Changes

SCHEDULE OF CONTRIBUTIONS FROM EMPLOYER
(GASB Statement No. 25)

Year Ended September 30	Annual Required Contribution	Actual Contribution	Percentage Contributed
1991	\$386,389	\$397,941	103.0 %
1992	434,772	446,813	102.8
1993	484,306	498,459	102.9
1994	581,944	625,378	107.5
1995	665,284	685,642	103.1
1996	694,851	720,175	103.6
1997	707,615	730,462	103.2
1998	672,808	721,352	107.2
1999	726,863	760,933	104.7
2000	229,683	229,683	100.0
2001	277,716	277,716	100.0
2002	233,352	233,352	100.0
2003	415,671	415,671	100.0
2004	619,985	630,569	101.7
2005	885,796	885,796 *	100.0
2006	913,443	913,443 **	100.0
2007	927,417	927,417 ***	100.0
2008	995,226	995,226 ****	100.0
2009	1,072,479	1,072,479	100.0
2010	1,247,460	1,397,460	112.0
2011	1,394,267	1,394,702	100.0
2012	1,403,241	1,403,241	100.0

* Includes BSO receivable contribution of \$47,402

** Includes BSO receivable contribution of \$56,704

*** Includes BSO receivable contribution of \$41,912

**** Includes BSO receivable contribution of \$68,354

**ANNUAL PENSION COST AND NET PENSION OBLIGATION
(GASB STATEMENT NO. 27)**

Employer FYE September 30	2013	2012	2011
Annual Required Contribution (ARC)*	\$1,350,164	\$1,403,241	\$1,394,267
Interest on Net Pension Obligation (NPO)	(8,826)	(10,226)	(11,652)
Adjustment to ARC	(24,315)	(27,296)	(31,103)
Annual Pension Cost (APC)*	1,365,653	1,420,311	1,413,718
Contributions made	**	1,403,241	1,394,702
Increase (decrease) in NPO	**	17,070	19,016
NPO at beginning of year	(119,275)	(136,345)	(155,361)
NPO at end of year	**	(119,275)	(136,345)

** To be determined

THREE-YEAR TREND INFORMATION

Fiscal Year Ending	Annual Pension Cost	Percentage of APC Contributed	Net Pension Obligation
9/30/2010	\$ 1,248,171	112.0 %	\$ (155,361)
9/30/2011	1,413,718	98.7	(136,345)
9/30/2012	1,420,311	98.8	(119,275)

RELATED INFORMATION

Contribution Rates	
Employer	28.55%
Plan members	10.43% for City Employees 0.00% for BSO Employees
Actuarial valuation date	10/1/2012
Actuarial cost method	Frozen entry age for City Employees Aggregate for BSO Employees
Amortization method	Level dollar, closed
Remaining amortization period (years)	30
Asset valuation method	5-year-smoothed market value
Actuarial assumptions	
Investment rate of return*	7.4%
Projected salary increases*	6.0%
* Includes inflation at	3.0%
Cost of Living adjustments	NA

SECTION E
MISCELLANEOUS INFORMATION

RECONCILIATION OF MEMBERSHIP DATA		
	From 10/1/11 To 10/1/12	From 10/1/10 To 10/1/11
A. Active Members		
1. Number Included in Last Valuation	94	100
2. New Members Included in Current Valuation	0	0
3. Non-Vested Employment Terminations	(3)	0
4. Vested Employment Terminations	(1)	(1)
5. Service Retirements	0	0
6. DROP Retirements	(3)	(5)
7. Disability Retirements	0	0
8. Deaths	0	0
9. Other - Transfers to Other Plans	0	0
10. Number Included in This Valuation	<u>87</u>	<u>94</u>
B. Terminated Vested Members		
1. Number Included in Last Valuation	5	4
2. Additions from Active Members	1	1
3. Lump Sum Payments/Refunds	(1)	0
4. Payments Commenced	0	0
5. Deaths	0	0
6. Other - Data Correction	0	0
7. Number Included in This Valuation	<u>5</u>	<u>5</u>
C. DROP Participation		
1. Number Included in Last Valuation	8	4
2. Additions from Active Members	3	5
3. Payments commenced	0	(1)
4. Deaths	0	0
5. Other	0	0
6. Number Included in This Valuation	<u>11</u>	<u>8</u>
D. Service Retirees, Disability Retirees and Beneficiaries - City		
1. Number Included in Last Valuation	48	50
2. Additions from Active Members	0	0
3. Additions from Terminated Vested Members	0	0
4. Additions from DROP	0	1
5. Deaths Resulting in No Further Payments	0	0
6. Deaths Resulting in New Survivor Benefits	0	0
7. End of Certain Period - No Further Payments	0	0
8. Other - Adjustment	0	(3)
9. Number Included in This Valuation	<u>48</u>	<u>48</u>
E. Service Retirees, Disability Retirees and Beneficiaries - BSO		
1. Number Included in Last Valuation	9	6
2. Additions from Active Members	0	0
3. Additions from Terminated Vested Members	0	0
4. Additions from DROP	0	0
5. Deaths Resulting in No Further Payments	0	0
6. Deaths Resulting in New Survivor Benefits	0	0
7. End of Certain Period - No Further Payments	0	0
8. Other - Adjustment	0	3
9. Number Included in This Valuation	<u>9</u>	<u>9</u>

Cooper City General Employees Retirement Fund – Active Members excluding BSO Transfers

Age Group	Years of Service to Valuation Date										Totals
	0-1	1-2	2-3	3-4	4-5	5-9	10-14	15-19	20-24	25 & Up	
25-29 NO.	0	0	0	0	0	1	0	0	0	0	1
TOT PAY	0	0	0	0	0	40,023	0	0	0	0	40,023
AVG PAY	0	0	0	0	0	40,023	0	0	0	0	40,023
30-34 NO.	0	0	0	1	0	3	0	0	0	0	4
TOT PAY	0	0	0	41,113	0	145,076	0	0	0	0	186,189
AVG PAY	0	0	0	41,113	0	48,359	0	0	0	0	46,547
35-39 NO.	0	0	0	0	2	4	3	0	0	0	9
TOT PAY	0	0	0	0	77,073	192,435	170,501	0	0	0	440,009
AVG PAY	0	0	0	0	38,537	48,109	56,834	0	0	0	48,890
40-44 NO.	0	0	0	0	1	4	6	0	1	0	12
TOT PAY	0	0	0	0	38,885	175,874	347,623	0	71,926	0	634,308
AVG PAY	0	0	0	0	38,885	43,969	57,937	0	71,926	0	52,859
45-49 NO.	0	0	0	0	0	7	6	1	0	1	15
TOT PAY	0	0	0	0	0	287,981	341,077	52,629	0	47,575	729,262
AVG PAY	0	0	0	0	0	41,140	56,846	52,629	0	47,575	48,617
50-54 NO.	0	0	1	0	1	7	6	3	1	1	20
TOT PAY	0	0	35,754	0	43,612	366,780	356,145	227,596	36,705	49,776	1,116,368
AVG PAY	0	0	35,754	0	43,612	52,397	59,358	75,865	36,705	49,776	55,818
55-59 NO.	0	0	0	0	1	5	2	2	1	0	11
TOT PAY	0	0	0	0	42,549	316,642	112,737	150,345	49,776	0	672,049
AVG PAY	0	0	0	0	42,549	63,328	56,369	75,173	49,776	0	61,095
60-64 NO.	0	0	0	0	0	1	1	0	1	0	3
TOT PAY	0	0	0	0	0	40,489	97,836	0	61,794	0	200,119
AVG PAY	0	0	0	0	0	40,489	97,836	0	61,794	0	66,706
65-99 NO.	0	0	0	0	0	3	0	1	0	0	4
TOT PAY	0	0	0	0	0	179,070	0	44,693	0	0	223,763
AVG PAY	0	0	0	0	0	59,690	0	44,693	0	0	55,941
TOT NO.	0	0	1	1	5	35	24	7	4	2	79
TOT AMT	0	0	35,754	41,113	202,119	1,744,370	1,425,919	475,263	220,201	97,351	4,242,090
AVG AMT	0	0	35,754	41,113	40,424	49,839	59,413	67,895	55,050	48,676	53,697

Cooper City General Employees Retirement Fund – BSO Transfers Remaining in the Plan

Age Group	Years of Service to Valuation Date										Totals	
	0-1	1-2	2-3	3-4	4-5	5-9	10-14	15-19	20-24	25 & Up		
20-24 NO.	0	0	0	0	0	0	0	0	0	0	0	0
TOT PAY	0	0	0	0	0	0	0	0	0	0	0	0
AVG PAY	0	0	0	0	0	0	0	0	0	0	0	0
25-29 NO.	0	0	0	0	0	0	0	0	0	0	0	0
TOT PAY	0	0	0	0	0	0	0	0	0	0	0	0
AVG PAY	0	0	0	0	0	0	0	0	0	0	0	0
30-34 NO.	0	0	0	0	0	0	0	0	0	0	0	0
TOT PAY	0	0	0	0	0	0	0	0	0	0	0	0
AVG PAY	0	0	0	0	0	0	0	0	0	0	0	0
35-39 NO.	0	0	0	0	0	0	0	0	0	0	0	0
TOT PAY	0	0	0	0	0	0	0	0	0	0	0	0
AVG PAY	0	0	0	0	0	0	0	0	0	0	0	0
40-44 NO.	0	0	0	0	0	0	1	0	0	0	0	1
TOT PAY	0	0	0	0	0	0	43,523	0	0	0	0	43,523
AVG PAY	0	0	0	0	0	0	43,523	0	0	0	0	43,523
45-49 NO.	0	0	0	0	0	0	2	1	0	0	0	3
TOT PAY	0	0	0	0	0	0	93,188	55,810	0	0	0	148,998
AVG PAY	0	0	0	0	0	0	46,594	55,810	0	0	0	49,666
50-54 NO.	0	0	0	0	0	1	0	1	0	0	0	2
TOT PAY	0	0	0	0	0	43,523	0	55,810	0	0	0	99,333
AVG PAY	0	0	0	0	0	43,523	0	55,810	0	0	0	49,667
55-59 NO.	0	0	0	0	0	0	0	1	0	0	0	1
TOT PAY	0	0	0	0	0	0	0	47,620	0	0	0	47,620
AVG PAY	0	0	0	0	0	0	0	47,620	0	0	0	47,620
60-64 NO.	0	0	0	0	0	0	0	0	0	0	0	0
TOT PAY	0	0	0	0	0	0	0	0	0	0	0	0
AVG PAY	0	0	0	0	0	0	0	0	0	0	0	0
65-99 NO.	0	0	0	0	0	0	1	0	0	0	0	1
TOT PAY	0	0	0	0	0	0	43,523	0	0	0	0	43,523
AVG PAY	0	0	0	0	0	0	43,523	0	0	0	0	43,523
TOT NO.	0	0	0	0	0	1	4	3	0	0	0	8
TOT AMT	0	0	0	0	0	43,523	180,234	159,240	0	0	0	382,997
AVG AMT	0	0	0	0	0	43,523	45,059	53,080	0	0	0	47,875

INACTIVE PARTICIPANT SCATTER

Age Group	Terminated Vested		Disabled		Retired		Deceased with Beneficiary	
	Number	Total Benefits	Number	Total Benefits	Number	Total Benefits	Number	Total Benefits
Under 20	-	-	-	-	-	-	-	-
20-24	-	-	-	-	-	-	-	-
25-29	-	-	-	-	-	-	-	-
30-34	-	-	-	-	-	-	-	-
35-39	-	-	-	-	-	-	-	-
40-44	1	19,562	-	-	-	-	1	8,614
45-49	2	24,705	-	-	-	-	-	-
50-54	2	42,020	1	9,464	-	-	-	-
55-59	-	-	1	24,625	17	509,566	2	27,218
60-64	-	-	-	-	15	282,849	-	-
65-69	-	-	-	-	12	204,225	3	26,326
70-74	-	-	-	-	7	95,242	-	-
75-79	-	-	-	-	3	25,398	1	10,421
80-84	-	-	-	-	4	27,766	1	4,422
85-89	-	-	-	-	-	-	-	-
90-94	-	-	-	-	-	-	-	-
95-99	-	-	-	-	-	-	-	-
100 & Over	-	-	-	-	-	-	-	-
Total	5	86,287	2	34,089	58	1,145,046	8	77,001
Average Age		49		55		66		65

SECTION F
SUMMARY OF PLAN PROVISIONS

**CITY OF COOPER CITY
GENERAL EMPLOYEES' RETIREMENT PLAN**

SUMMARY OF PLAN PROVISIONS

A. Ordinances

Plan established under the Code of Ordinances for the City of Cooper City, Florida, Chapter 2, Article VI, Division 2, and was most recently amended under Ordinance No. 11-10-01 passed and adopted on October 25, 2011. The Plan is also governed by certain provisions of Part VII, Chapter 112, Florida Statutes and the Internal Revenue Code.

B. Effective Date

October 1, 1979

C. Plan Year

October 1 through September 30

D. Type of Plan

Qualified, governmental defined benefit retirement plan; for GASB purposes it is a single employer plan.

E. Eligibility Requirements

All full-time general employees hired before October 25, 2011 are eligible for membership on the date of employment. After October 25, 2011, the Plan was closed to new hires.

F. Credited Service

Service is measured as the total number of years and completed months as a general employee with the City of Cooper City.

G. Compensation

Base compensation including pick-up contributions for all straight time hours worked, but excluding bonuses, overtime, any other non-regular payments and lump sum payments of unused leave.

H. Final Monthly Compensation (FMC)

The average of Compensation over the highest 3 years of Credited Service.

I. Normal Retirement

Eligibility: A member may retire on the first day of the month coincident with or next following age 55 and 6 years of Credited Service.

Benefit: 2.5% of FMC multiplied by Credited Service. In addition, members will receive a monthly supplemental benefit equal to \$20 multiplied by Credited Service. For those who became BSO employees, the multiplier is 1% for service before 10/1/81, 1.75% from 10/1/81 through 9/30/93, and 2% thereafter unless the employee chose to purchase a higher multiplier of 2.25%.

Normal Form
of Benefit: Single Life Annuity; other options are also available.

COLA: None

J. Early Retirement

Eligibility: A member may elect to retire earlier than the Normal Retirement Eligibility upon attainment of age 53 and 10 years of Credited Service.

Benefit: The Normal Retirement Benefit is reduced by 4.0% for each year by which the Early Retirement date precedes the Normal Retirement date.

Normal Form
of Benefit: Single Life Annuity; other options are also available.

COLA: None

K. Delayed Retirement

Same as Normal Retirement taking into account compensation earned and service credited until the date of actual retirement.

L. Service Connected Disability

Eligibility: Any member who becomes totally and permanently disabled and unable to perform regular and continuous duties for the City as a result of an act occurring in the performance of service for the City is immediately eligible for a disability benefit.

Benefit: The accrued Normal Retirement Benefit taking into account compensation earned and service credited as of the date of disability. There will be no actuarial reduction for the period of time that the date of disability precedes the Normal Retirement date.

Normal Form
of Benefit: Payable until death or recovery from disability.

COLA: None

M. Non-Service Connected Disability

Eligibility: Any member who has 10 years of Credited Service and becomes totally and permanently disabled and unable to perform regular and continuous duties for the City is immediately eligible for a disability benefit.

Benefit: The accrued Normal Retirement Benefit taking into account compensation earned and service credited as of the date of disability. There will be no actuarial reduction for the period of time that the date of disability precedes Normal Retirement date.

Normal Form
of Benefit: Payable until death or recovery from disability.

COLA: None

N. Death in the Line of Duty

Eligibility: Members are eligible for survivor benefits after the completion of 6 or more years of Credited Service.

Benefit: Benefit is payable as though the member had retired on the date of death and elected the 100% Joint & Survivor option; other options are also available.

Normal Form
of Benefit: Benefit is payable for the life of the beneficiary.

COLA: None

The beneficiary of a plan member with less than 6 years of Credited Service at the time of death will receive a refund of the member's accumulated contributions with interest.

O. Other Pre-Retirement Death

Eligibility: Members are eligible for survivor benefits after the completion of 6 or more years of Credited Service.

Benefit: Benefit is payable as though the member had retired on the date of death and elected the 100% Joint & Survivor option; other options are also available.

Normal Form
of Benefit: Benefit is payable for the life of the beneficiary.

COLA: None

The beneficiary of a plan member with less than 6 years of Credited Service at the time of death will receive a refund of the member's accumulated contributions with interest.

P. Post Retirement Death

Benefit determined by the form of benefit elected upon retirement.

Q. Optional Forms

In lieu of electing the Normal Form of benefit, the optional forms of benefits available to all retirees are the 10 Year Certain and Life thereafter and Joint and Last Survivor options.

R. Vested Termination

Eligibility: A member has earned a non-forfeitable right to Plan benefits after the completion of 6 years of Credited Service.

Benefit: The benefit is the member's accrued Normal Retirement Benefit as of the date of termination. Benefit begins on the member's Normal Retirement date.

Normal Form of Benefit: Single Life Annuity; other options are also available.

COLA: None

Members terminating employment with less than 6 years of Credited Service will receive a refund of their own accumulated contributions with interest.

S. Refunds

Eligibility: All members terminating employment with less than 6 years of Credited Service are eligible. Optionally, vested members (those with 6 or more years of Credited Service) may elect a refund in lieu of the vested benefits otherwise due.

Benefit: Refund of the member's contributions with interest. Interest is currently credited at a rate equal to the actual return on investments.

T. Member Contributions

10.43% of Compensation for City Employees

0% for BSO Employees

U. Employer Contributions

Any additional amount determined by the actuary needed to fund the plan properly according to State laws.

V. Cost of Living Increases

Not Applicable

W. 13th Check

Not Applicable

X. Deferred Retirement Option Plan

Eligibility: Plan members who have attained age 55 and 6 years of Credited Service are eligible for the DROP.

Benefit: The member's Credited Service and FMC are frozen upon entry into the DROP. The monthly retirement benefit as described under Normal Retirement is calculated based upon the frozen Credited Service and FMC.

**Maximum
DROP Period:** 5 years

**Interest
Credited:** The member's DROP account is credited at an interest rate based upon the option chosen by the member. Members elect from the following options:

- (1) Gain or loss at the same rate earned by the Plan, or
- (2) Gain or loss at the rate earned by a self-directed investment account.

**Normal Form
of Benefit:** Members elect one following options:

- (1) A single lump sum,
- (2) annual installments,
- (3) equal monthly installments,
- (4) combination of lump sum and periodic payments
- (5) direct rollover to another qualified retirement plan.

COLA: None

Y. Other Ancillary Benefits

There are no ancillary retirement type benefits not required by statutes but which might be deemed a City of Cooper City General Employees' Retirement Plan liability if continued beyond the availability of funding by the current funding source.