

CITY OF FORT PIERCE
RETIREMENT AND BENEFIT SYSTEM
FIFTY-FIFTH ANNUAL ACTUARIAL VALUATION REPORT
FOR THE YEAR ENDING SEPTEMBER 30, 2013

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REPORT OF SEPTEMBER 30, 2013 ACTUARIAL VALUATION

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March 14, 2014

The City Commission and
Retirement Board
Fort Pierce, Florida

Dear Commission and Retirement Board Members:

The results of the September 30, 2013 annual actuarial valuation of the City of Fort Pierce Retirement and Benefit System are presented in this report. The purpose of the valuation was to measure the System's funding progress, provide actuarial information in connection with applicable Governmental Accounting Standards Board Statements and to determine the employer contribution rates for the 2014-2015 fiscal year.

This report should not be relied upon for any other purpose. This report may be distributed to parties other than the System only in its entirety and only with the permission of the Board. This report should not be relied on for any purpose other than those described above. It was prepared at the request of the Board and is intended for use by the Retirement System and those designated or approved by the Board. This report may be provided to parties other than the System only in its entirety and only with the permission of the Board.

The signing actuaries are independent of the plan sponsor.

The valuation was based upon information, furnished by the City, concerning Retirement System benefits, financial transactions, and individual members, terminated members, retirees and beneficiaries. Data was checked for internal and year to year consistency, but was not otherwise audited by us. As a result, we are unable to assume responsibility for the accuracy or completeness of the data provided.

Future actuarial measurements may differ significantly from those presented in this report due to such factors as experience differing from that anticipated by actuarial assumptions, changes in plan provisions, actuarial assumptions/methods or applicable law. Due to the limited scope of this assignment, we did not perform an analysis of the potential range of future measurements.

To the best of our knowledge, this report is complete and accurate and the valuation was conducted in accordance with standards of practice prescribed by the Actuarial Standards Board and in compliance with the applicable state statutes. The undersigned are Members of the American Academy of Actuaries (MAAA) who meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein. It is our opinion that the actuarial assumptions used for the valuation produce results which are reasonable.

Respectfully submitted,



Brad Lee Armstrong, ASA, EA, MAAA



Randall J. Dziubek, EA, MAAA

BLA:mrB

SECTION A

SUMMARY OF VALUATION RESULTS
AND CERTIFICATION

SUMMARY OF VALUATION RESULTS

SEPTEMBER 30, 2013

AMENDMENTS

After issuance of the September 30, 2012 valuation report, the Board adopted an ordinance affecting current and future members of the Retirement System. This report reflects the restated results as presented in our August 16, 2013 Impact Statement.

FUNDING OBJECTIVE

The basic funding objective of the Retirement and Benefit System is to avoid transfer of the cost of benefit obligations between generations of taxpayers. This objective is implemented by contributions sufficient to:

- pay for costs allocated to the current year on account of service rendered by participants in the current year (Normal Cost).
- pay for costs allocated to prior years on account of service rendered by participants in prior years (Unfunded Actuarial Accrued Liability) over a maximum 30-year period.

The annual actuarial valuation measures the relationship between Retirement and Benefit System obligations and assets and determines the contribution rates for the ensuing year.

FUNDING PROGRESS INDICATORS

The September 30, 2013 actuarial valuation indicates that the actuarial accrued liabilities of the Retirement and Benefit System, measured in accordance with Statement No. 25 of the Governmental Accounting Standards Board, are 89% funded by valuation assets. This is an increase from last year's funded ratio of 86%. Although not historically referred to, the ratio of the market value of assets to the actuarial accrued liabilities is 95%. This is an increase from last year's 89%.

TRENDS TO MONITOR

The market value of assets currently exceeds the funding value of assets by \$11.6 million. If losses from investment returns below the 8% assumed or losses from other sources do not emerge, this will create downward pressure on contribution requirements and a coinciding upward pressure on the funded ratios in next year's report.

SUMMARY OF VALUATION RESULTS

SEPTEMBER 30, 2013

OBSERVED EXPERIENCE

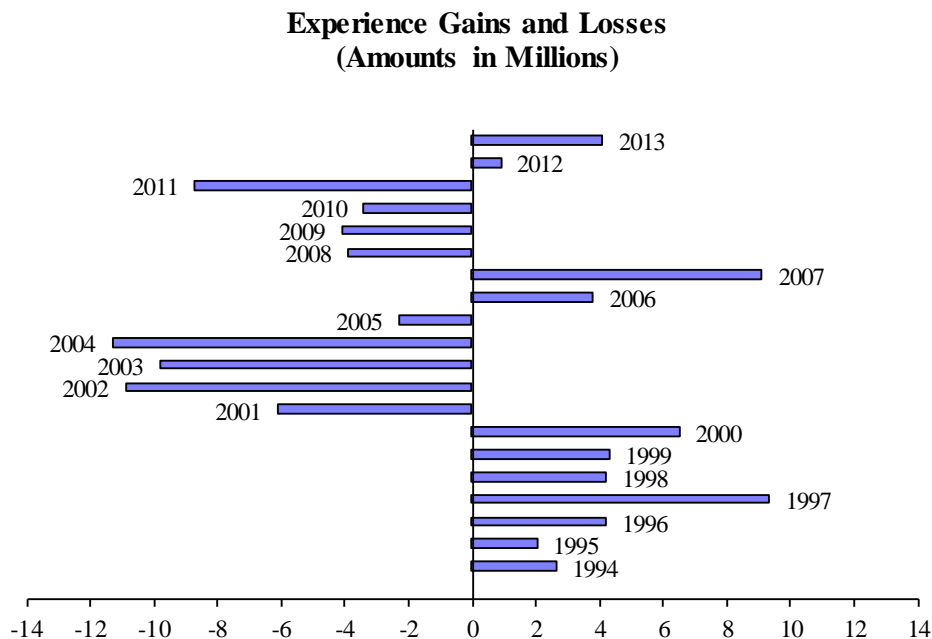
While the investment return on market value was 13.68%, the recognized rate of investment return was 10.82% due to averaging investment experience over the last 4 years. This is consistent with the long-term funding assumption of 8.0% expected. Note that each year's investment experience gain (loss) is spread over four years in equal dollar installments to reduce the effect of market volatility on contribution rates.

Demographic experience varied among the divisions. The principal deviations from projected experience were:

- 4.2% average pay increases across all the divisions vs. 5.8% expected (favorable)
- 26 retirements in all the divisions vs. 20 expected
- 10-year average payroll growths were less than the 4.5% assumed
- Reductions in active member workforces (favorable for normal cost; unfavorable for unfunded liability)

The net effect of the preceding experience factors was an aggregate experience gain of \$4,281,723.

Year-to-year experience variations are expected and normal in the operation of a retirement system as members vary their activities and economic conditions change. The expectation is that the plus years and minus years will tend to cancel over 5 to 10 year periods.



Derivation of the current year's gain is located on Page B-3.

SUMMARY OF VALUATION RESULTS SEPTEMBER 30, 2013

VALUATION RESULTS - CONTRIBUTION REQUIREMENT

The percent of payroll contribution requirements for the 2014-2015 fiscal year are:

	General	Utilities Authority	Police
Members			
-Bargaining	5.16 %	6.16 %	5.16 %
-Non-Bargaining	5.16	6.16	5.16
Employer for			
-Bargaining	14.61 %	16.81 %	13.76 %
-Non-Bargaining	14.61	16.81	13.76
-Illustrative	\$1,238,918	\$2,117,334	\$886,424

For comparison, the percent of payroll contribution requirements for the 2013-2014 fiscal year based on last year's valuation as amended by the August 16, 2013 impact statement are:

	General	Utilities Authority	Police
Members			
-Bargaining	5.16 %	6.16 %	5.16 %
-Non-Bargaining	5.16	6.16	5.16
Employer for			
-Bargaining	16.20 %	17.41 %	15.33 %
-Non-Bargaining	16.20	17.41	15.33
-Illustrative	\$1,525,999	\$2,243,690	\$906,532

Comparative contribution information is shown on page B-2. Composition of the current contribution rates is shown on page B-1.

SUMMARY OF VALUATION RESULTS SEPTEMBER 30, 2013

COST-OF-LIVING ADJUSTMENT (COLA)

Section 13 - 43 of the City's Code of Ordinances provides for a COLA if the investment return of the fund exceeds that required to satisfy the actuarial interest assumption, which did happen this year. In addition, the cumulative value of any COLA's granted since 1999 may not exceed the cumulative net actuarial gains since 1999. Page B-11 shows the cumulative value of COLA's and net actuarial gains/(losses) since 1999. The present balance is (\$34,137,262). So even though the recognized rate of investment return for the last fiscal year of 10.82% marginally exceeded the actuarial interest assumption of 8%, no COLA could be provided under Section 13 - 43 until the Retirement and Benefit System's future actuarial gains exceed \$34,137,262 plus interest. Given the cumulative net actuarial loss balance, this COLA provision is not likely to operate for the indefinite future.

CERTIFICATION

This actuarial valuation 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 report. 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 report.



Brad Lee Armstrong, ASA, EA, MAAA
Enrolled Actuary No. 11-5614
April 18, 2013

SECTION B
VALUATION RESULTS

**CONTRIBUTIONS TO FINANCE BENEFITS OF THE
RETIREMENT AND BENEFIT SYSTEM
FOR THE PLAN YEAR BEGINNING OCTOBER 1, 2014
TO BE CONTRIBUTED DURING THE FISCAL YEAR
BEGINNING OCTOBER 1, 2014**

Contributions for	Contributions Expressed as Percents of Active Member Payroll		
	General Members	Utilities Authority	Police Members
Normal Cost			
Service pensions	11.36 %	10.62 %	17.06 %
Disability pensions	0.51	0.50	1.15
Death-in-service pensions	0.61	0.61	0.41
Deferred service pensions	2.26	2.22	0.94
Refunds of member contributions	0.52	0.63	0.35
Total Normal Cost	<u>15.26</u>	<u>14.58</u>	<u>19.91</u>
Unfunded Actuarial Accrued Liability (1)			
Retired members and beneficiaries	0.00	0.00	0.00
Active and vested terminated members	1.61	6.50	0.00
Total Unf'd. Actuarial Accrued Liability	<u>1.61</u>	<u>6.50</u>	<u>0.00</u>
Administrative Expenses	0.18	0.18	0.18
Total Unadjusted Computed Contribution	17.05	21.26	20.09
Adjustments to Computed Contribution			
FS 112.64 (5) Compliance	2.72	1.71	0.73
Full funding credit (2)	0.00	0.00	(1.90)
Total Adjustments	<u>2.72</u>	<u>1.71</u>	<u>(1.17)</u>
Total Adjusted Contribution Requirement	19.77	22.97	18.92
Member portion	5.16	6.16	5.16
Employer portion	14.61	16.81	13.76

(1) Financing period schedules begin on page B-7.

(2) This is a temporary credit toward the contribution requirement; see pages B-7 and B-9.

FS 112.64 requires employer contributions to be deposited not less frequently than quarterly. Member contributions, which are in addition to the Employer contributions, must be deposited immediately after each pay period.

RECOMMENDED AND ACTUAL CONTRIBUTIONS COMPARATIVE STATEMENT

Fiscal Date	Valuation Date	Percentage of Payroll Contributions			Dollar Contributions @	
		General Members	Utilities Authority	Police Members	Proj. Funding Requirement	Actual \$
79/80 (b)		7.75 %	8.05 %	10.21 %	\$ 700,500	\$ 785,821
84/85	9/83	7.61	7.82	9.59	1,189,618	1,349,378
89/90	9/88	6.02	7.76	9.17	1,779,600	2,021,209
94/95	9/93	4.99	6.80	4.77	1,846,977	2,386,067
95/96	9/94	4.74	6.41	4.54	1,737,080	2,328,501
96/97 (b)	9/95	4.79	5.34	4.98	1,877,033	2,270,176
97/98 (b)	9/96	4.67	6.77	3.03	1,875,979	2,062,431
98/99	9/97	3.58	5.18	0.00	1,513,090	1,275,077
99/00 (b)	9/98 #	0.51	1.20	1.45	709,194	982,054
00/01 (b)	9/99	0.00	0.26	0.00	801,012	1,195,351
01/02 (b)	9/00	0.00	0.26	0.00	906,649	2,158,784
02/03 (b)	9/01	2.91	1.10	0.00	2,048,079	2,271,079
03/04	9/02	4.67	3.23	1.38	2,893,397	3,610,663
04/05	9/03	6.15	4.93	3.76	3,948,626	5,634,357
05/06	9/04	8.01	6.23	6.76	6,283,117	8,975,380
06/07	9/05	11.05	11.94	14.14	3,624,157	4,114,963
07/08 (b)	9/06	11.59	11.01	14.88	3,939,766	4,082,846
08/09 (b)	9/07	9.71	10.06	12.26	3,517,935	3,580,089
09/10	9/08	10.36	10.67	12.79	3,964,443	3,377,350
10/11	9/09	11.06	11.86	12.97	3,999,560	3,181,447
11/12 (b)	9/10	12.59	14.08	13.51	3,937,037	3,566,751
12/13 (b)	9/11	16.50	18.51	15.83	4,860,538	4,266,803
13/14 (a)	9/12	17.19	18.57	16.17	4,968,643	
13/14 (b)	9/12	16.20	17.41	15.33	4,803,833	
14/15	9/13	14.61	16.81	13.76	4,242,676	

* Prior to 9/30/96 the minimum employer contribution required in accordance with Sec. 21.3 of the Retirement and Benefit System Ordinance was 7.60% for General and Utilities Authority, 9.61% for Police.

@ Actual Employer contributions are determined by applying the Employer's contribution rate to the emerging payroll. Projected funding requirement is derived from the City portion of the contribution rates on page B-1. The payroll was increased by a factor of 1.092 (1.045²) to reflect projected payroll growth to the beginning of the fiscal year during which the contribution will be made. Prior to the valuation date of 9/30/2005, dollar contributions included Fire members.

(a) Before changes in benefit provisions and/or actuarial assumptions and cost methods.

(b) After changes in benefit provisions and/or actuarial assumptions and cost methods.

Prior to the 9/98 actuarial valuation reimbursement of investment expenses (approx. 2% of payroll) were included in the contribution requirement. The plan was amended 4/98 to allow payment of investment expenses out of investment income.

EXPERIENCE GAIN (LOSS)
YEAR ENDED SEPTEMBER 30, 2013

	Divisions			Total
	General Members	Utilities Authority	Police Members	
DERIVATION				
(1) UAAL* at start of year	\$7,715,941	\$12,037,147	\$4,373,631	\$24,126,719
(2) Employer normal cost for year	798,275	1,018,474	900,802	2,717,551
(3) Employer contributions	1,344,557	2,037,538	884,708	4,266,803
(4) Interest accrued: .08 x [(1) + ½ [(2) - (3)]]	595,424	922,209	350,534	1,868,167
(5) Expected UAAL before changes: [(1) + (2) - (3) + (4)]	7,765,083	11,940,292	4,740,259	24,445,634
(6) Effect of assumption changes	0	0	0	0
(7) Effect of cost method changes/ accounting and timing differences	0	0	0	0
(8) Effect of benefit changes	0	0	0	0
(9) Expected UAAL after changes	7,765,083	11,940,292	4,740,259	24,445,634
(10) Actual UAAL	6,378,954	10,608,080	3,372,736	20,359,770
(11) Gain (loss): (9) - (10)	1,386,129	1,332,212	1,367,523	4,085,864

* UAAL represents unfunded actuarial accrued liability.

**DEVELOPMENT OF FUNDING VALUE OF
RETIREMENT SYSTEM ASSETS**

Year Ended September 30:	2010	2011	2012	2013
A. Funding Value Beginning of Year	\$147,093,735	\$148,690,936	\$142,462,557	\$147,618,123
B. Market Value End of Year	138,853,804	134,533,659	154,199,397	168,762,698
C. Market Value Beginning of Year	129,119,322	138,853,804	134,533,659	154,199,397
D. Non-Investment Net Cash Flow	(4,487,610)	(6,003,229)	(6,034,911)	(6,119,220)
E. Investment Income				
E1. Market Total: B - C - D	14,222,092	1,683,084	25,700,649	20,682,521
E2. Amount for Immediate Recognition (8.0%)	11,587,994	11,655,146	11,155,608	11,564,681
E3. Amount for Phased-In Recognition: E1 - E2	2,634,098	(9,972,062)	14,545,041	9,117,840
F. Phased-In Recognition of Investment Income				
F1. Current Year: 0.25 x E3	658,525	(2,493,016)	3,636,260	2,279,460
F2. First Prior Year	(1,766,899)	658,525	(2,493,016)	3,636,260
F3. Second Prior Year	(8,278,908)	(1,766,899)	658,525	(2,493,016)
F4. Third Prior Year	<u>3,884,099</u>	<u>(8,278,906)</u>	<u>(1,766,900)</u>	<u>658,523</u>
F5. Total Recognized Investment Gain	(5,503,183)	(11,880,296)	34,869	4,081,227
G. Funding Value End of Year: A + D + E2 + F5	148,690,936	142,462,557	147,618,123	157,144,811
H. Difference between Market & Funding Value	(9,837,132)	(7,928,898)	6,581,274	11,617,887
I. Recognized Rate of Return	4.20%	(0.15)%	8.03%	10.82%
J. Market Value Return	11.21%	1.24%	19.54%	13.68%

The Funding Value of Assets recognizes assumed investment income (Line E2) fully each year. Differences between actual and assumed investment income (Line E3) are phased-in over a closed 4 year period. During periods when investment performance exceeds the assumed rate, the Funding Value of Assets will tend to be less than Market Value. During periods when investment performance is less than the assumed rate, the Funding Value of Assets will tend to be greater than Market Value. If assumed rates are exactly realized for 4 consecutive years, it will become equal to Market Value.

FUNDING INDICATORS # – HISTORICAL COMPARISON
(\$ AMOUNTS IN THOUSANDS)

Valuation Date	Indicator (1)		Indicator (2)			Indicator (3)	
	Gain (Loss)	Valuation Assets	AAL*	Funded Ratio	Unfunded AAL	Member Payroll	Ratio to Payroll
9/93	\$ 4,360	\$ 75,833	\$ 72,883	104 %	(\$2,950)	\$23,602	(12) %
9/94	2,627	83,023	77,060	108	(5,963)	24,137	(25)
9/95 (b)	2,031	92,515	86,560	107	(5,955)	26,174	(23)
9/96 (b)	4,188	103,164	93,874	110	(9,290)	27,529	(34)
9/97	9,324	119,224	100,121	119	(19,103)	29,986	(64)
9/98 (b)	4,181	132,975	109,210	122	(23,765)	30,296	(78)
9/99 (b)	4,315	146,903	120,514	122	(26,389)	31,688	(83)
9/00 (b)	6,465	162,020	129,969	125	(32,051)	33,312	(96)
9/01 (b)	(6,086)	165,023	137,067	120	(27,955)	35,600	(79)
9/02 (b)	(10,908)	167,050	149,437	112	(17,610)	37,037	(48)
9/03	(9,845)	168,943	162,127	104	(6,816)	40,313	(17)
9/04	(11,328)	171,558	186,671	92	15,113	43,544	35
9/05	(2,296)	185,776	216,534	86	30,758	48,880	63
9/06 (b)	3,801	120,062	130,861	92	10,800	30,532	35
9/07 (b)	9,087	135,944	138,610	98	2,666	30,984	9
9/08	(3,888)	143,467	150,475	95	7,008	32,952	21
9/09	(4,060)	147,094	158,755	93	11,661	31,016	38
9/10 (b)	(3,429)	148,691	164,865	90	16,174	26,779	60
10/11 (b)	(8,690)	142,463	167,683	85	25,220	25,744	98
11/12 (a)	854	147,618	173,314	85	25,696	25,842	99
11/12 (b)	854	147,618	171,745	86	24,127	25,842	93
12/13	4,086	157,145	177,505	89	20,360	25,199	81

Excludes Fire after 9/05 valuation date.

* Actuarial Accrued Liabilities.

(a) Before changes in benefit provisions and/or actuarial assumptions.

(b) After changes in benefit provisions and/or actuarial assumptions.

UNFUNDED ACTUARIAL ACCRUED LIABILITY
(\$ AMOUNTS IN THOUSANDS)*

	September 30, 2013			September 30, 2012**					
	General Members	Utilities Authority	Police Members	After Amendment			Before Amendment		
				General Members	Utilities Authority	Police Members	General Members	Utilities Authority	Police Members
A. Actuarial present value of future benefits	\$63,238	\$91,275	\$54,549	\$62,933	\$88,865	\$52,404	\$63,857	\$90,496	\$53,025
B. Actuarial present value of future normal costs	9,010	12,432	10,115	10,133	12,692	9,632	10,537	13,485	10,041
C. Actuarial accrued liability	54,228	78,843	44,434	52,799	76,173	42,772	53,320	77,011	42,984
D. Actuarial value of assets	47,849	68,235	41,061	45,084	64,136	38,399	45,084	64,136	38,399
E. Unfunded actuarial accrued liability	6,379	10,608	3,373	7,716	12,037	4,374	8,236	12,875	4,585
F. Funded Ratio	88.2%	86.5%	92.4%	85.4%	84.2%	89.8%	84.6%	83.3%	89.3%

* Totals may be off due to rounding.

** As amended by the August 16, 2013 impact statement.

SOURCES AND FINANCING OF UNFUNDED ACTUARIAL ACCRUED LIABILITY GENERAL MEMBERS

Year Established	Initial Years	Years Remaining	Unf'd. Act. Accr. Liab.		Amortization Factor	Amortization Payment*	% of Payroll Contribution*
			Initial Amount	Current Amount			
Initial Unfunded							
1981	34	2	\$ 823,833	\$ (428,061)	1.9355	\$ (230,925)	(2.98) %
Experience Changes							
1984	30	1	(99,400)	(20,402)	0.9837	(21,197)	(0.27)
1985	30	2	(188,808)	(72,509)	1.9355	(39,116)	(0.50)
1986	30	3	(1,082,703)	(580,829)	2.8565	(216,820)	(2.80)
1987	30	4	(7,872)	(5,602)	3.7477	(1,627)	(0.02)
1988	30	5	435,310	337,540	4.6099	81,328	1.05
1989	30	6	(529,751)	(459,056)	5.4442	(95,529)	(1.23)
1990	30	7	292,576	275,440	6.2515	50,895	0.66
1991	30	8	(8,308)	(8,373)	7.0326	(1,402)	(0.02)
1992	30	9	(260,310)	(276,344)	7.7884	(42,557)	(0.55)
1993	30	10	(1,200,305)	(1,326,055)	8.5197	(190,114)	(2.45)
1994	30	11	(298,407)	(339,631)	9.2273	(45,767)	(0.59)
1995	30	12	(571,245)	(666,311)	9.9120	(85,057)	(1.10)
1996	30	13	(328,506)	(390,046)	10.5745	(47,475)	(0.61)
1997	30	14	(1,697,188)	(2,039,002)	11.2155	(237,929)	(3.07)
1998	30	15	(1,095,283)	(1,324,878)	11.8357	(148,905)	(1.92)
1999	30	16	(888,248)	(1,076,908)	12.4359	(117,044)	(1.51)
2000	30	17	(1,366,921)	(1,654,735)	13.0166	(174,517)	(2.25)
2001	30	18	1,108,179	1,339,103	13.5784	137,457	1.77
2002	30	19	2,074,314	2,494,588	14.1221	249,888	3.22
2003	30	20	2,097,459	2,503,648	14.6481	245,315	3.17
2004	30	21	2,013,373	2,379,718	15.1571	228,548	2.95
2005	30	22	208,003	242,911	15.6496	22,908	0.30
2006	30	23	(1,561,550)	(1,798,263)	16.1262	(166,806)	(2.15)
2007	30	24	(3,153,776)	(3,574,655)	16.5873	(326,616)	(4.22)
2008	30	25	1,535,312	1,710,107	17.0334	154,115	1.99
2009	30	26	1,306,244	1,427,549	17.4651	127,042	1.64
2010	30	27	301,258	322,588	17.8828	28,379	0.37
2011	30	28	3,140,943	3,291,266	18.2870	286,510	3.70
2012	30	29	(171,717)	(175,873)	18.6781	(15,163)	(0.20)
2013	30	30	(1,386,129)	(1,386,129)	19.0565	(118,449)	(1.53)
Benefit Changes							
1985	30	2	307,194	117,974	1.9355	63,643	0.82
1990	30	7	919,717	865,849	6.2515	159,988	2.06
1996	30	13	(126,041)	(149,654)	10.5745	(18,215)	(0.24)
1998	30	15	(4,204)	(5,086)	11.8357	(572)	(0.01)
2000	30	17	416,125	503,743	13.0166	53,127	0.69
2004	30	21	603,572	713,395	15.1571	68,514	0.88
2005	30	22	2,422,727	2,829,321	15.6496	266,828	3.44
2006	30	23	1,820,155	2,096,068	16.1262	194,430	2.51
2010	30	27	421,454	451,296	17.8828	39,702	0.51
2011	30	28	(604,106)	(633,018)	18.2870	(55,105)	(0.71)
2012	30	29	(520,387)	(532,980)	18.6781	(45,950)	(0.59)
Assumption Changes							
1985	30	2	(213,316)	(81,922)	1.9355	(44,194)	(0.57)
1987	30	4	1,460,488	972,828	3.7477	282,560	3.65
1990	30	7	84,603	79,649	6.2515	14,717	0.19
1995	30	12	822,391	959,253	9.9120	122,453	1.58
2001	30	18	(571,357)	(690,419)	13.5784	(70,871)	(0.91)
2011	30	28	154,468	161,861	18.2870	14,090	0.18
Totals				\$6,378,954		\$334,515	4.33 %

* Actual wage growth over the past 10 years has been (1.39)%, versus the 4.5% assumed. FS 112 requires use of the 10-year average if less than assumed. Because the 10-year average is less than 0, 0 has been used in the above calculation as required.

**SOURCES AND FINANCING OF
UNFUNDED ACTUARIAL ACCRUED LIABILITY
UTILITIES AUTHORITY MEMBERS**

Year Established	Initial Years	Years Remaining	Unfd. Act. Accr. Liab.		Amortization Factor	Amortization Payment*	% of Payroll Contribution*
			Initial Amount	Current Amount			
Initial Unfunded							
1981	34	2	\$1,760,177	\$ 242,653	1.9355	\$ 128,645	1.13 %
Experience Changes							
1984	30	1	(359,556)	3,221	0.9837	3,317	0.03
1985	30	2	15,796	(47,760)	1.9355	(25,321)	(0.22)
1986	30	3	(125,200)	(329,877)	2.8565	(120,005)	(1.05)
1987	30	4	(619,038)	(162,929)	3.7477	(45,741)	(0.40)
1988	30	5	(246,244)	217,214	4.6099	50,184	0.44
1989	30	6	280,129	(112,881)	5.4442	(22,349)	(0.20)
1990	30	7	(130,266)	383,549	6.2515	66,918	0.59
1991	30	8	407,412	(240,237)	7.0326	(37,694)	(0.33)
1992	30	9	(238,416)	(412,930)	7.7884	(59,174)	(0.52)
1993	30	10	(388,969)	(1,550,680)	8.5197	(205,431)	(1.81)
1994	30	11	(1,360,632)	(1,114,223)	9.2273	(137,800)	(1.21)
1995	30	12	(978,978)	(1,136,305)	9.9120	(132,246)	(1.16)
1996	30	13	(974,186)	(1,116,761)	10.5745	(123,130)	(1.08)
1997	30	14	(940,560)	(2,634,113)	11.2155	(276,698)	(2.43)
1998	30	15	(2,192,535)	(3,065,954)	11.8357	(308,323)	(2.71)
1999	30	16	(2,534,640)	(1,384,528)	12.4359	(133,851)	(1.18)
2000	30	17	(1,141,977)	(1,584,793)	13.0166	(147,827)	(1.30)
2001	30	18	(1,309,143)	1,925,843	13.5784	173,878	1.53
2002	30	19	1,593,737	3,439,258	14.1221	301,409	2.65
2003	30	20	2,859,829	3,214,008	14.6481	274,089	2.41
2004	30	21	2,692,574	1,861,165	15.1571	154,793	1.36
2005	30	22	1,574,647	263,748	15.6496	21,436	0.19
2006	30	23	225,846	(3,103,758)	16.1262	(246,954)	(2.17)
2007	30	24	(2,695,199)	(3,602,799)	16.5873	(281,090)	(2.47)
2008	30	25	(3,178,605)	1,986,286	17.0334	152,183	1.34
2009	30	26	1,783,264	2,483,128	17.4651	187,078	1.64
2010	30	27	2,272,126	2,857,640	17.8828	211,963	1.86
2011	30	28	2,668,679	4,917,096	18.2870	359,479	3.16
2012	30	29	(1,001,517)	(1,025,754)	18.6781	(73,989)	(0.65)
2013	30	30	(1,332,212)	(1,332,212)	19.0565	(94,898)	(0.83)
Benefit Changes							
1985	30	2	393,236	150,009	1.9355	79,529	0.70
1996	30	13	1,797,497	2,134,231	10.5745	235,312	2.07
1998	30	15	(6,868)	(8,308)	11.8357	(835)	(0.01)
2000	30	17	217,608	263,425	13.0166	24,572	0.22
2005	30	22	5,714,128	6,673,103	15.6496	542,356	4.77
2007	30	24	879,772	997,180	16.5873	77,800	0.68
2011	30	28	(859,973)	(901,130)	18.2870	(65,880)	(0.58)
2012	30	29	(837,844)	(858,120)	18.6781	(61,897)	(0.54)
Assumption Changes							
1985	30	2	(313,763)	(119,692)	1.9355	(63,456)	(0.56)
1987	30	4	2,484,163	1,643,676	3.7477	461,452	4.06
1990	30	7	(71,195)	(67,023)	6.2515	(11,694)	(0.10)
1995	30	12	1,262,801	1,472,956	9.9120	171,426	1.51
2001	30	18	(1,106,750)	(1,337,376)	13.5784	(120,748)	(1.06)
2011	30	28	695,546	728,834	18.2870	53,284	0.47
Totals				\$10,608,080		\$934,072	8.21 %

* Actual wage growth over the past 10 years has been 1.80%, versus the 4.5% assumed. FS 112 requires use of the 10-year average if less than assumed. This has been used in the above calculation as required.

SOURCES AND FINANCING OF UNFUNDED ACTUARIAL ACCRUED LIABILITY POLICE MEMBERS

Year Established	Initial Years	Years Remaining	Unf'd. Act. Accr. Liab.		Amortization Factor	Amortization Payment*	% of Payroll Contribution*
			Initial Amount	Current Amount			
Initial Unfunded							
1981	34	2	\$ 387,782	\$ (196,225)	1.9355	\$ (103,144)	(1.73) %
Experience Changes							
1984	30	1	(94,576)	(19,412)	0.9837	(19,906)	(0.33)
1985	30	2	(179,528)	(68,946)	1.9355	(36,241)	(0.61)
1986	30	3	(625,033)	(335,307)	2.8565	(120,437)	(2.02)
1987	30	4	59,331	39,520	3.7477	10,910	0.18
1988	30	5	411,907	319,392	4.6099	72,270	1.21
1989	30	6	(756,895)	(655,888)	5.4442	(126,686)	(2.13)
1990	30	7	125,313	117,973	6.2515	20,003	0.34
1991	30	8	(203,783)	(205,337)	7.0326	(31,192)	(0.52)
1992	30	9	(212,982)	(226,101)	7.7884	(31,253)	(0.53)
1993	30	10	(924,672)	(1,053,830)	8.5197	(134,180)	(2.25)
1994	30	11	(461,122)	(524,825)	9.2273	(62,163)	(1.04)
1995	30	12	(631,047)	(736,067)	9.9120	(81,760)	(1.37)
1996	30	13	(985,977)	(1,170,685)	10.5745	(122,775)	(2.06)
1997	30	14	(2,131,299)	(2,560,543)	11.2155	(254,998)	(4.29)
1998	30	15	769,031	930,235	11.8357	88,402	1.49
1999	30	16	(1,200,250)	(1,455,180)	12.4359	(132,524)	(2.23)
2000	30	17	(597,465)	(723,267)	13.0166	(63,358)	(1.06)
2001	30	18	578,886	699,515	13.5784	59,134	0.99
2002	30	19	1,258,164	1,513,081	14.1221	123,791	2.08
2003	30	20	1,317,638	1,572,808	14.6481	124,857	2.10
2004	30	21	2,033,822	2,403,888	15.1571	185,591	3.12
2005	30	22	(40,822)	(47,673)	15.6496	(3,587)	(0.06)
2006	30	23	455,702	524,779	16.1262	38,552	0.65
2007	30	24	(2,754,392)	(3,121,971)	16.5873	(224,311)	(3.77)
2008	30	25	569,652	634,506	17.0334	44,656	0.75
2009	30	26	481,424	526,132	17.4651	36,322	0.61
2010	30	27	458,881	491,373	17.8828	33,318	0.56
2011	30	28	856,807	897,813	18.2870	59,863	1.01
2012	30	29	319,593	327,327	18.6781	21,485	0.36
2013	30	30	(1,367,523)	(1,367,523)	19.0565	(88,448)	(1.49)
Benefit Changes							
1985	30	2	168,462	64,696	1.9355	34,007	0.57
1996	30	13	(52,503)	(62,340)	10.5745	(6,538)	(0.11)
1998	30	15	866,643	1,048,309	11.8357	99,623	1.67
2000	30	17	154,856	187,462	13.0166	16,421	0.28
2002	30	19	(2,757)	(3,316)	14.1221	(271)	(0.00)
2005	30	22	3,376,647	3,943,333	15.6496	296,697	4.99
2006	30	23	21,867	25,182	16.1262	1,850	0.03
2010	30	27	144,060	154,260	17.8828	10,460	0.18
2011	30	28	(576,034)	(603,602)	18.2870	(40,246)	(0.68)
2012	30	29	(211,273)	(216,386)	18.6781	(14,203)	(0.24)
Assumption Changes							
1985	30	2	(117,742)	(45,217)	1.9355	(23,768)	(0.40)
1987	30	4	409,545	272,797	3.7477	75,309	1.27
1990	30	7	194,195	182,821	6.2515	30,998	0.52
1995	30	12	576,369	672,288	9.9120	74,676	1.25
2000	30	17	93,418	113,087	13.0166	9,906	0.17
2001	30	18	418,050	505,164	13.5784	42,704	0.72
2011	30	28	577,020	604,636	18.2870	40,315	0.68
Totals				\$3,372,736		\$(69,869)	(1.17) %

* Actual wage growth over the past 10 years has been 2.69%, versus the 4.5% assumed. FS 112 requires use of the 10-year average if less than assumed. This has been used in the above calculation as required.

ACTUARIAL BALANCE SHEET - SEPTEMBER 30, 2013
(\$ AMOUNTS IN THOUSANDS)*

PRESENT RESOURCES AND EXPECTED FUTURE RESOURCES

	Utilities			Total
	General Members	Authority Members	Police Members	
A. Funding value of plan assets:				
1. Net assets from plan financial statements (Market)	\$51,386	\$73,280	\$44,097	\$168,763
2. Funding value adjustment	(\$3,537)	(\$5,045)	(\$3,036)	(\$11,618)
3. Funding value of assets	\$47,849	\$68,235	\$41,061	\$157,145
B. Actuarial present value of expected future employer contributions:				
1. For normal costs	\$ 5,875	\$ 7,005	\$ 7,417	\$20,297
2. For unfunded actuarial accrued liability	6,379	10,608	3,373	20,360
3. Total	\$12,254	\$17,613	\$10,790	\$40,657
C. Actuarial present value of expected future member contributions	3,134	5,427	2,697	11,258
D. Total Present and Future Resources	\$63,237	\$91,275	\$54,548	\$209,060

**ACTUARIAL PRESENT VALUE OF EXPECTED FUTURE
BENEFIT PAYMENTS AND RESERVES**

	Utilities			Total
	General Members	Authority Members	Police Members	
A. To retired members and beneficiaries	\$34,922	\$50,953	\$25,962	\$111,837
B. To vested terminated members	1,652	628	320	2,600
C. To present active members:				
1. Allocated to service rendered prior to valuation date	\$17,653	\$27,262	\$18,151	\$63,066
2. Allocated to service likely to be rendered after valuation date	\$9,010	\$12,432	\$10,115	\$31,557
3. Total	\$26,663	\$39,694	\$28,266	\$94,623
D. Total actuarial present value of expected future benefit payments	\$63,237	\$91,275	\$54,548	\$209,060

* Totals may be off due to rounding.

CUMULATIVE EXPERIENCE GAINS (LOSSES)

Year Ended September 30	Balance at Beginning of Year	Interest	Gain (Loss) During Year	Value of Cost- of-Living Adjustment During Year	Balance at End of Year
1999	\$ -	\$ -	\$ 4,314,699	\$ 709,305	\$ 3,605,394
2000	3,605,394	288,432	6,465,035	1,219,607	9,139,254
2001	9,139,254	731,140	(6,086,030)	1,186,656	2,597,708
2002	2,597,708	207,817	(10,907,939)	-	(8,102,414)
2003	(8,102,414)	(648,193)	(9,844,539)	-	(18,595,145)
2004	(18,595,145)	(1,487,612)	(11,328,205)	-	(31,410,961)
2005	(31,410,961)	(2,512,877)	(2,296,402)	-	(36,220,240)
2006*	(18,683,996)	(1,494,720)	3,801,047	-	(16,377,668)
2007	(16,377,668)	(1,310,213)	9,086,773	-	(8,601,108)
2008	(8,601,108)	(688,089)	(3,888,228)	-	(13,177,425)
2009	(13,177,425)	(1,054,194)	(4,059,794)	-	(18,291,413)
2010	(18,291,413)	(1,463,313)	(3,428,818)	-	(23,183,544)
2011	(23,183,544)	(1,854,684)	(8,690,267)	-	(33,728,495)
2012	(33,728,495)	(2,698,280)	853,641	-	(35,573,134)
2013	(35,573,134)	(2,845,851)	4,085,864	-	(34,333,121)

* After removing the estimated impact of Fire members.

SECTION C

SUMMARY OF BENEFIT PROVISIONS AND VALUATION DATA SUBMITTED BY RETIREMENT AND BENEFIT SYSTEM

SUMMARY OF BENEFIT PROVISIONS (SEPTEMBER 30, 2013)

Participation: Participation in the retirement and benefit system begins upon employment.

Normal Retirement (no reduction factor for age):

- Eligibility** - Original members: 20 or more years of service.
- All members** - General, Utilities Authority: 25 or more years of service regardless of age, or age 60 with 5 or more years of service.
- Police: 25 or more years of service, regardless of age, or age 55 with 5 or more years of service.

Mandatory Retirement Age - None.

Annual Amount - All members: Total service times 3.0% of final average salary.

For members hired prior to October 1, 2012:

- The maximum pension benefit is \$100,000 annually.

For members hired on or after October 1, 2012:

- The maximum annual pension benefit shall not exceed 75% of final average salary
- The maximum pension benefit is \$100,000 annually.

The normal form of benefit is a benefit payable for life. Optional forms are available on an actuarial equivalent basis.

Type of Final Average Salary - General: Highest 5 consecutive years out of last 10. Police, Fire, Utilities Authority: Highest 5 years out of last 10. Overtime hours included in compensation are limited to 300 hours per fiscal year.

For members hired prior to October 1, 2012: Payments for unused sick and vacation time included in compensation are limited to unused sick and vacation time accrued through September 20, 2012 for General and Police, and July 1, 2011 for Utilities Authority.

For members hired on or after October 1, 2012: Payments for unused sick and vacation time are not included in compensation.

Deferred Retirement Option Plan (DROP) Retirement:

Eligibility – General, Police, and Utilities Authority members: Same as Normal Retirement, election may be made on or after normal retirement eligibility, but not after reaching 30 years of service. Participation in the DROP ends after five years.

Annual Amount – Computed as a normal retirement but based upon service and final average salary at time of DROP election. Member contributions cease and monthly benefits (and post-retirement increases, if any) accumulate in a self-directed DROP account and are payable to the member upon termination of employment.

Deferred Retirement (vested benefit):

Eligibility – *For Members hired prior to October 1, 2012: 5 or more years of service.*
For Members hired on or after October 1, 2012: 10 or more years of service.
Benefit begins upon attaining age 60.

Annual Amount – Computed as a normal retirement but based upon service and final average salary at time of termination.

Duty Disability Retirement:

Eligibility - No age or service requirements if the retirement board finds the member to be in receipt of weekly workers' compensation on account of disability in the course of duty.

Annual Amount - Computed as a normal retirement based upon service projected to the end of the duty disability period and final average salary at time of disability. Minimum benefit is 75% of final average salary during the duty disability period. The duty disability period ends on the earlier of the 25th anniversary of the member's hire date or the date the member attains age 65 but not prior to 5 years from the date of duty disability retirement.

Non-Duty Disability Retirement:

Eligibility – 5 or more years of service.

Annual Amount - Computed as a normal retirement but based upon service and final average salary at time of disability.

Duty Death Before Retirement:

Eligibility - No age or service requirements. Benefits begin upon termination of workers' compensation.

Annual Amount - A benefit equal to the same amount that was paid by workers' compensation to the spouse until death, to unmarried children under 18 and dependent parents.

Non-Duty Death Before Retirement:

Eligibility - 5 or more years of service.

Annual Amount - Computed as a normal retirement but actuarially reduced in accordance with a 100% joint and survivor election.

Post-Retirement Increases: COLA may be granted from investment returns in excess of actuarial interest assumption, not to exceed 3%.

Military Service: May be purchased by members who meet the eligibility conditions.

Member Contributions: General: 5.16% of annual salary
Police : 5.16% of annual salary
Utilities Authority: 6.16% of annual salary

Employer Contributions: Actuarially determined amounts which together with member contributions are sufficient to at least cover the requirements of the funding objective stated on page A-1.

Changes in Plan Provisions: Changes in Plan Provisions since the last valuation are included about in the Summary of Benefits. They are also consolidated and listed below for reference.

For members hired prior to October 1, 2012:

- Overtime hours included in compensation are limited to 300 hours per fiscal year.
- Payments for unused sick and vacation time included in compensation are limited to unused sick and vacation time accrued through September 30, 2012 for General and Police, July 1, 2011 for Utilities Authority.
- The maximum pension benefit paid is \$100,000 annually.

For members hired on or after October 1, 2012:

- Overtime hours included in compensation are limited to 300 hours per fiscal year.
- Payments for unused sick and vacation time are not included in compensation.
- The maximum annual pension benefit under the normal form of payment shall not exceed 75% of the member's final average compensation.
- The maximum pension benefit paid is \$100,000 annually.
- The service required for vesting is 10 years of service.

ACCOUNTING INFORMATION SUBMITTED FOR VALUATION

REVENUES AND EXPENDITURES

	Year Ended	
	9/30/2013	9/30/2012
REVENUES:		
a. Member contributions:		
General	\$ 437,136	\$ 447,037
Police	313,447	293,935
Utilities Authority	729,017	732,538
b. Employer contributions:		
General	1,344,557	1,098,760
Police	884,708	772,733
Utilities Authority	2,037,538	1,695,258
c. Investment income:		
1. Interest and dividends	3,169,475	2,776,504
2. Gain or loss on sales	4,653,692	1,960,463
3. Unrealized gain/loss	13,339,748	21,428,137
d. Total revenues	\$ 26,909,318	\$ 31,205,365
EXPENDITURES:		
a. Refunds of member contributions:		
General	110,774	81,064
Police	136,484	92,250
Utilities Authority	257,407	74,524
b. Benefits paid:		
General	3,639,067	3,496,700
Police	2,455,575	2,363,058
Utilities Authority	5,067,855	4,734,907
c. Investment expenses	480,393	464,454
d. Administrative expenses	45,765	68,924
e. Other	152,696	163,743
f. Total expenditures	\$ 12,346,017	\$ 11,539,626
ADJUSTMENTS:	\$ -	\$ -
RESERVE INCREASE:	\$ 14,563,302	\$ 19,665,739

MARKET VALUE OF ASSETS

	9/30/2013	9/30/2012
Cash	\$ 30,896	\$ 28,041
Receivables & Accruals	755,689	799,093
Other short-term	959,596	3,439,402
Bonds - government	18,559,492	6,576,421
- corporate	31,145,881	41,046,994
Stocks - common	15,019,168	11,419,701
- mutual funds	102,327,641	90,929,546
Other - limited partnership	-	-
Other - prepaid expenses	-	-
Total assets	168,798,363	154,239,198
Less accounts payable	35,665	39,801
Net assets	\$ 168,762,698	\$ 154,199,397
Increase in assets	\$ 14,563,302	19,665,739

RETIRED MEMBER AND BENEFICIARY DATA SEPTEMBER 30, 2013
TABULATED BY VALUATION DIVISIONS

Valuation Divisions	No.	Annual Benefits	Average Benefit	Actuarial Value of Benefits
General Members	190	\$ 3,753,787	\$ 19,757	\$ 34,922,498
Utilities Authority Members	204	5,307,685	26,018	50,953,058
Police Members	75	2,603,428	34,712	25,961,962
Totals	469	\$11,664,900	\$24,872	\$111,837,518

Divisions	All Retirement's Averages			New Age and Service Retired Members Added During Year Ended 9-30-2013		
			Current	Averages		
	Attained Age	Retirement Age	Annual Benefits	No.	Age	Annual Benefits
General Members	69.8	60.0	\$19,757	10	60.5	\$28,926
Utilities Authority Members	67.5	57.7	26,018	15	58.5	31,230
Police Members	64.6	53.9	34,712	2	50.3	52,934

RETIRED MEMBER AND BENEFICIARY DATA HISTORICAL COMPARISON

Period	Added		Removed		Net Increase		End of Period		Expected Removals	
	No.	Annual Benefits	No.	Annual Benefits	No.	Annual Benefits	No.	Annual Benefits	No.	Benefits
9/30/79	16	\$ 78,577	6	\$ 19,040	10	\$ 59,537	117	\$ 414,812	N/A	N/A
9/30/80	14	68,014	6	13,899	8	54,115	125	468,927	N/A	N/A
9/30/81	8	51,167	4	9,914	4	41,253	129	510,180	N/A	N/A
9/30/82	15	102,964	3	10,568	12	92,396	141	602,576	3.6	\$10,800
9/30/83	15	94,040	9	17,784	6	76,256	147	678,832	4.2	12,930
9/30/84	16	74,505	6	14,486	10	60,019	157	738,851	4.3	15,103
9/30/85	11	87,916	6	16,055	5	71,861	162	810,712	4.8	17,129
9/30/86	21	237,533	8	34,936	13	202,597	175	1,013,309	5.3	20,394
9/30/87	17	182,208	7	18,904	10	163,304	185	1,176,613	5.7	25,092
9/30/88	16	176,569	6	18,144	10	158,425	195	1,335,038	6.0	29,181
9/30/89	18	210,866	7	29,378	11	181,488	206	1,516,526	6.6	34,395
9/30/90	19	284,294	8	50,713	11	233,581	217	1,750,107	7.2	40,904
9/30/91	12	166,933	12	40,397	-	126,536	217	1,876,643	7.8	48,142
9/30/92	19	279,791	6	12,185	13	267,606	230	2,144,249	7.4	46,602
9/30/93	26	505,107	8	102,192	18	402,915	248	2,547,164	8.1	53,142
9/30/94	20	319,610	8	59,627	12	259,983	260	2,807,147	8.7	58,237
9/30/95	22	481,651	9	41,888	13	439,763	273	3,246,910	9.2	64,542
9/30/96	12	177,476	9	54,301	3	123,175	276	3,370,085	8.4	61,052
9/30/97	20	311,526	11	62,949	9	248,577	285	3,618,662	8.9	66,449
9/30/98	35	833,113	9	47,534	27	785,579	311	4,404,241	9.1	72,632
9/30/99	25	507,447	15	126,797	10	380,650	321	4,784,891	9.7	82,380
9/30/00	27	646,116	14	129,198	13	516,918	334	5,301,809	9.9	90,589
9/30/01	23	628,192	15	97,296	8	530,896	342	5,832,705	9.9	97,991
9/30/02	23	526,601	3	33,319	20	493,282	362	6,325,987	9.7	109,931
9/30/03	17	313,250	5	42,129	12	271,121	374	6,597,108	10.6	121,871
9/30/04	25	705,692	3	44,505	22	661,187	396	7,258,295	11.2	132,981
9/30/05	11	354,475	22	266,853	(11)	87,622	385	7,345,917	12.4	149,279
9/30/06 *	37	1,017,845	99	2,907,201	(62)	(1,889,356)	323	5,456,561	10.0	109,462
9/30/07	32	820,021	18	202,924	14	617,097	337	6,073,658	11.0	126,496
9/30/08	23	635,039	12	184,195	11	450,844	348	6,524,502	11.2	138,459
9/30/09	55	1,551,148	16	182,856	39	1,368,292	387	7,892,794	11.7	149,577
9/30/10	56	2,229,035	14	177,196	42	2,051,839	429	9,944,633	12.3	170,609
9/30/11	26	672,328	16	239,318	10	433,010	439	10,377,643	12.9	197,045
9/30/12	27	746,421	14	251,747	13	494,674	452	10,872,317	13.5	196,990
9/30/13	32	927,561	15	134,978	17	792,583	469	11,664,900	14.2	214,174

*Removed 90 Fire retirees and beneficiaries and \$2,811,761 annual benefits in the 9/30/2006 Valuation.

RETIRED MEMBERS AND BENEFICIARIES HISTORICAL COMPARISON

Valuation Date	% Increase in Annual Benefits	No. of Active Per Retired	Annual Benefits as % of Active Payroll	Average Benefits
9/30/79	16.8 %	5.3	5.4 %	\$ 3,545
9/30/80	13.0	5.0	5.6	3,751
9/30/81	5.4	5.1	5.4	3,955
9/30/82	8.1	5.0	5.3	4,274
9/30/83	8.0	4.9	5.5	4,618
9/30/84	8.8	4.7	5.5	4,706
9/30/85	9.7	4.7	5.4	5,004
9/30/86	25.0	4.4	6.1	5,790
9/30/87	16.1	4.2	6.6	6,360
9/30/88	13.5	4.2	6.8	6,846
9/30/89	13.6	4.0	7.5	7,362
9/30/90	15.4	3.9	7.8	8,065
9/30/91	7.2	3.9	7.9	8,648
9/30/92	14.3	3.6	8.6	9,323
9/30/93	18.8	3.1	10.8	10,271
9/30/94	10.2	3.0	11.6	10,797
9/30/95	15.7	3.0	12.4	11,893
9/30/96	3.8	3.0	12.2	12,210
9/30/97	7.4	3.2	12.1	12,697
9/30/98	21.7	2.8	14.5	14,162
9/30/99	8.6	2.7	15.1	14,906
9/30/00	10.8	2.7	15.9	15,874
9/30/01	10.0	2.7	16.4	17,055
9/30/02	8.5	2.5	17.1	17,475
9/30/03	4.3	2.5	16.4	17,639
9/30/04	10.0	2.4	16.7	18,329
9/30/05	1.2	2.6	15.0	19,080
9/30/06 *	20.3	2.0	17.9	16,893
9/30/07	11.3	2.0	19.6	18,023
9/30/08	7.4	2.0	19.8	18,749
9/30/09	21.0	1.7	25.4	20,395
9/30/10	26.0	1.3	37.1	23,181
9/30/11	4.4	1.3	40.3	23,639
9/30/12	4.8	1.2	42.1	24,054
9/30/13	7.3	1.1	46.3	24,872

* Removed 90 Fire retirees and beneficiaries, and \$2,811,761 annual benefits in the 9/30/2006 valuation.

RETIRED MEMBER AND BENEFICIARY DATA AS OF SEPTEMBER 30, 2013
BY TYPE OF BENEFIT BEING PAID

<u>Type of Benefit Being Paid</u>	<u>No.</u>	<u>Annual Benefits</u>	<u>Average Benefits</u>
Age and Service Benefits			
Straight Life - benefit terminating at death of retirant	157	\$3,884,466	\$24,742
Option A - 100% joint and survivor benefit	98	2,869,017	29,276
Option B/D/E - 50%/75%/67% joint and survivor benefit	86	2,768,822	32,196
Option C - 10 year certain and life	24	509,608	21,234
Surviving beneficiaries	65	755,989	11,631
Other Age and Service Benefits	<u>1</u>	<u>13,155</u>	<u>13,155</u>
Total Age and Service Benefits	431	10,801,057	25,060
Casualty Benefits			
Duty Disability	11	368,276	33,480
Non-duty Disability	12	173,192	14,433
Duty Death	2	47,846	23,923
Non-duty Death	11	237,717	21,611
Surviving beneficiaries	<u>2</u>	<u>36,812</u>	<u>18,406</u>
Total Casualty Benefits	38	863,843	22,733
Total Benefits Being Paid	469	\$11,664,900	\$24,872

RETIRED MEMBERS AND BENEFICIARIES AS OF SEPTEMBER 30, 2013
BY ATTAINED AGE

Age Last Birthday	Age and Service		Casualty		Total	
	No.	Annual Benefits	No.	Annual Benefits	No.	Annual Benefits
Under 45	4	\$ 39,850	2	\$ 65,943	6	\$ 105,793
45-49	7	275,000	5	113,454	12	388,454
50-54	26	1,031,362	5	94,699	31	1,126,061
55-59	50	2,078,678	7	112,520	57	2,191,198
60-64	81	2,301,927	9	309,211	90	2,611,138
65-69	84	2,357,005	4	68,841	88	2,425,846
70-74	70	1,337,689	4	64,628	74	1,402,317
75-79	38	545,989	1	2,532	39	548,521
80-84	33	490,147	0	-	33	490,147
85-89	26	270,994	1	32,015	27	303,009
90 & Over	12	72,416	0	-	12	72,416
Totals	431	\$ 10,801,057	38	\$ 863,843	469	\$ 11,664,900

**INACTIVE VESTED MEMBERS AS OF SEPTEMBER 30, 2013
BY ATTAINED AGE**

Attained Age	General Members		Utilities Authority		Police Members		TOTAL	
	No.	Estimated Annual Benefits	No.	Estimated Annual Benefits	No.	Estimated Annual Benefits	No.	Estimated Annual Benefits
30-34	1	\$ 10,456					1	\$ 10,456
35-39	1	10,337					1	10,337
40-44			1	\$ 7,693	1	\$ 19,764	2	27,457
45-49	6	134,729	1	14,712			7	149,441
50-54	3	25,239	2	20,275			5	45,515
55-59	5	50,410	5	55,983	2	31,459	12	137,853
60-64	1	61,545					1	61,545
TOTALS	17	\$ 292,716	9	\$98,664	3	\$51,223	29	\$442,603

**ACTIVE MEMBERS INCLUDED IN VALUATION
GENERAL MEMBERS**

Valuation September 30	Active Members	Vested Term. Members	Valuation Payroll	Average		
				Age	Service	Pay
1993	203	2	\$ 4,734,597	44.7	9.8	\$ 23,323
1994	206	6	5,016,096	44.7	9.4	24,350
1995	221	5	5,476,618	44.9	9.0	24,781
1996	242	4	6,231,691	44.3	8.7	25,751
1997	254	4	6,751,233	44.3	8.3	26,580
1998	249	3	6,868,334	44.6	8.5	27,584
1999	242	2	6,892,761	45.3	8.6	28,482
2000	260	2	7,717,224	45.8	8.5	29,682
2001	268	3	8,308,758	45.1	8.3	31,003
2002	275	7	8,901,179	45.5	8.1	32,368
2003	302	5	9,994,351	46.5	7.7	33,094
2004	294	7	10,546,747	46.1	8.1	35,873
2005	297	7	11,854,374	46.4	8.6	39,914
2006	287	6	11,206,771	46.5	8.0	39,048
2007	289	6	11,131,329	47.3	8.3	38,517
2008	281	6	11,949,389	47.9	9.0	42,525
2009	265	8	11,108,762	47.5	8.6	41,920
2010	226	13	8,874,396	46.8	8.0	39,267
2011	219	16	8,488,894	47.1	8.2	38,762
2012	216	16	8,625,945	47.8	8.9	39,935
2013	198	17	\$7,765,325	48.2	9.4	\$39,219

**NUMBER ADDED TO AND REMOVED FROM ACTIVE MEMBERSHIP
GENERAL MEMBERS**

Year Ended September 30	Number Added During Year		Normal Retirement		Disability Retirement		Died In Service		Terminations				Active Members End of Year
	A	E	A	E	A	E	A	E	Terminations				
									Withdrawal	Vested	Totals		
									A	A	A	E	
2004	39	47	7	9.3	0	0.4	0	0.5	36	4	40	23.0	294
2005	43	40	3	9.9	0	0.4	0	0.5	33	4	37	21.8	297
2006	62	72	7	12.3	0	0.4	1	0.5	61	3	64	16.0	287
2007	40	38	5	16.1	0	0.4	2	0.5	31*	0	31	21.3	289
2008	19	27	7	14.8	0	0.4	0	0.5	19	1	20	19.7	281
2009	20	36	23	18.2	0	0.4	1	0.5	10	2	12	17.0	265
2010	10	49	23	12.9	0	0.4	0	0.5	21	5	26	16.1	226
2011	17	24	11	7.5	1	0.4	1	0.5	8	3	11	12.3	219
2012	10	13	4	7.0	0	0.5	3	0.3	5	1	6	12.3	216
2013	9	27	10	9.8	0	0.5	1	0.4	13	3	16	11.0	198
10 Year Totals	269	373	100	117.8	1	4.2	9	4.7	237	26	263	170.5	

A represents actual number; E represents expected number.

* Includes 47 General Fire members.

ACTIVE MEMBERS INCLUDED IN VALUATION

UTILITIES AUTHORITY MEMBERS

Valuation September 30	Active Members	Vested		Valuation Payroll	Average		
		Term. Members			Age	Service	Pay
1994	260	3		\$ 8,498,037	42.1 yrs.	9.1 yrs.	\$ 32,685
1995	252	3		8,491,889	42.5	9.6	33,698
1996	250	2		8,697,097	43.0	10.0	34,788
1997	260	2		9,272,216	43.3	9.8	35,662
1998	230	12		8,481,126	43.7	10.0	36,874
1999	247	10		9,431,774	44.0	9.3	38,185
2000	244	12		9,750,426	44.1	9.5	39,961
2001	257	13		10,236,646	44.1	9.0	39,831
2002	253	9		10,675,070	44.9	9.7	42,194
2003	248	10		10,744,695	45.3	10.0	43,325
2004	245	11		11,193,220	45.8	10.1	45,687
2005	256	12		12,754,845	46.5	10.1	49,824
2006	263	11		12,551,346	46.6	9.6	47,724
2007	278	10		13,494,349	46.5	9.3	48,541
2008	282	12		13,970,069	46.5	9.1	49,539
2009	266	7		13,244,000	46.0	9.3	49,789
2010	248	8		12,119,371	46.2	9.3	48,868
2011	237	10		11,893,916	47.0	9.9	50,185
2012	237	10		11,801,344	47.2	9.9	49,795
2013	232	9		\$11,534,243	46.7	9.6	\$49,717

NUMBER ADDED TO AND REMOVED FROM ACTIVE MEMBERSHIP UTILITIES AUTHORITY MEMBERS

Year Ended September 30	Number Added During Year		Normal Retirement		Disability Retirement		Died In Service		Terminations				Active Members End of Year
	A	E	A	E	A	E	A	E	Withdrawal		Totals		
									A	E	A	E	
2004	21	24	5	4.3	0	0.4	1	0.5	13	5	18	14.9	245
2005	30	19	5	6.2	0	0.4	0	0.5	8	6	14	14.3	256
2006	36	29	12	7.6	0	0.5	0	0.6	17	0	17	15.2	263
2007	40	25	6	6.7	1	0.5	0	0.6	18	0	18	17.0	278
2008	27	23	11	9.2	0	0.5	0	0.6	9	3	12	18.7	282
2009	11	27	13	8.2	2	0.5	1	0.5	10	1	11	18.3	266
2010	11	29	19	9.7	0	0.5	0	0.5	9	1	10	15.3	248
2011	5	16	7	5.8	0	0.5	0	0.5	7	2	9	13.4	237
2012	20	20	8	8.6	0	0.6	0	0.4	11	1	12	11.0	237
2013	25	30	14	9.0	0	0.6	1	0.5	15	0	15	12.0	232
10 Year Totals	226	242	100	75.3	3	5.0	3	5.2	117	19	136	150.1	

A represents actual number; E represents expected number.

ACTIVE MEMBERS INCLUDED IN VALUATION POLICE MEMBERS

Valuation September 30	Active Members	Vested Term. Members	Payroll	Average		
				Age	Service	Pay
1993	94	0	\$ 3,093,896	38.5 yrs.	9.4 yrs.	\$ 32,914
1994	102	0	3,333,068	38.4	9.0	32,677
1995	103	0	3,626,231	39.2	9.6	35,206
1996	103	2	3,663,859	38.8	9.3	35,571
1997	105	2	3,717,397	39.0	9.2	35,404
1998	111	3	4,234,703	37.7	7.9	38,150
1999	106	2	4,224,186	38.1	8.4	39,851
2000	112	2	4,503,739	38.6	7.9	40,212
2001	107	1	4,418,980	38.5	8.1	41,299
2002	102	2	4,567,931	39.7	9.0	44,784
2003	103	3	4,921,744	39.9	9.1	47,784
2004	103	3	5,496,631	40.3	9.9	53,365
2005	105	3	5,943,309	40.9	10.6	56,603
2006	111	2	6,773,879	39.3	9.4	61,026
2007	106	2	6,358,225	38.9	9.4	59,983
2008	117	2	7,032,172	39.2	9.4	60,104
2009	111	3	6,663,530	38.6	9.2	60,032
2010	102	3	5,785,106	38.4	9.0	56,717
2011	101	4	5,361,391	38.9	9.7	53,083
2012	99	3	5,415,125	39.0	9.8	54,698
2013	106	3	\$5,899,165	39.2	9.2	\$55,653

NUMBER ADDED TO AND REMOVED FROM ACTIVE MEMBERSHIP POLICE MEMBERS

Year Ended September 30	Number Added During Year		Normal Retirement		Disability Retirement		Died In Service		Terminations				Active Members End of Year
	A	E	A	E	A	E	A	E	Withdrawal	Vested	Totals		
									A	A	A	E	
2004	6	6	2	3.8	0	0.2	0	0.1	4	0	4	4.6	103
2005	4	2	0	4.5	0	0.2	0	0.1	2	0	2	3.8	105
2006	16	10	6	5.9	0	0.2	1	0.1	3	0	3	3.5	111
2007	5	10	6	5.3	0	0.2	1	0.1	3	0	3	4.9	106
2008	13	2	0	4.7	0	0.2	0	0.1	2	0	2	4.2	117
2009	12	18	5	5.1	0	0.2	0	0.1	12	1	13	5.1	111
2010	4	13	9	4.4	0	0.2	0	0.1	4	0	4	5.3	102
2011	5	6	1	1.7	0	0.2	0	0.1	4	1	5	5.3	101
2012	14	16	1	0.9	3	0.3	0	0.1	12	0	12	3.7	99
2013	17	10	2	1.4	0	0.2	0	0.1	8	0	8	4.4	106
10 Year Totals	96	93	32	37.7	3	2.1	2	1.0	54	2	56	44.8	

A represents actual number; E represents expected number

**GENERAL MEMBERS
AS OF SEPTEMBER 30, 2013
BY ATTAINED AGE AND YEARS OF SERVICE**

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Valuation Payroll
25-29	9	3						12	\$ 403,068
30-34	5	6	3					14	464,913
35-39	5	6	4	2				17	648,062
40-44	5	9	9	8				31	1,349,439
45-49	7	14	4	2	2			29	979,609
50-54	2	10	11	8				31	1,472,411
55-59	7	10	11	4	4			36	1,408,612
60	1	4	1	2	1			9	348,627
61		3						3	187,762
62	1		1					2	62,958
63	1	2						3	127,267
64		2						2	113,794
66		1	1					2	78,246
68	1							1	10,431
69			1					1	8,300
70		1						1	68,216
72		1						1	7,885
76				1				1	8,463
77				1				1	8,655
79			1					1	8,607
Totals	44	72	47	28	7	0	0	198	\$7,765,325

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 48.2 years
Service: 9.4 years
Annual Pay: \$39,219

**UTILITIES AUTHORITY MEMBERS
AS OF SEPTEMBER 30, 2013
BY ATTAINED AGE AND YEARS OF SERVICE**

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Valuation Payroll
20-24	4							4	\$ 116,272
25-29	8	5	1					14	557,073
30-34	8	9	4					21	953,613
35-39	7	7	6	1				21	1,011,529
40-44	8	11	1	4	5	1		30	1,573,974
45-49	5	15	7	8	2	1		38	1,977,174
50-54	6	11	7	8	3	2		37	1,881,659
55-59	9	21	6	8	4	2	1	51	2,597,925
60				1	1			2	116,457
61	1	1						2	76,751
62			1					1	96,099
63		1	2					3	141,856
64		1						1	16,044
65		2	1	1				4	273,434
66		1						1	70,198
69		1						1	40,204
72			1					1	33,981
Totals	56	86	37	31	15	6	1	232	\$11,534,243

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 46.7 years
Service: 9.6 years
Annual Pay: \$49,717

**POLICE MEMBERS
AS OF SEPTEMBER 30, 2013
BY ATTAINED AGE AND YEARS OF SERVICE**

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Valuation Payroll
20-24	8							8	\$ 294,168
25-29	8	2						10	427,874
30-34	9	5						14	621,069
35-39	7	6	8	1				22	1,176,795
40-44	4	3	4	6	1			18	1,101,243
45-49	5	1	2	12	4			24	1,597,022
50-54			1	4	1			6	429,105
55-59		1	1	1				3	182,392
61			1					1	69,497
Totals	41	18	16	24	6	0	0	106	\$5,899,165

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 39.2 years
Service: 9.2 years
Annual Pay: \$55,653

SECTION D

ACTUARIAL COST METHOD, ACTUARIAL
ESTIMATES AND DEFINITIONS OF TECHNICAL
TERMS

ACTUARIAL COST METHOD USED FOR THE VALUATION

The actuarial cost method is a procedure for allocating the actuarial present value of future benefits and expenses to time periods. The method used for this valuation is the individual entry-age actuarial cost method, and has the following characteristics:

Actuarial Present Value of Future Benefits. Actuarial present values are calculated using the benefit provisions applicable to active members, vested terminated members, and retirees and beneficiaries as of the valuation date using the assumptions summarized elsewhere in this report.

Normal Costs. The actuarial present values for each year of service rendered before and after the valuation date are determined so that:

- (i) the annual normal costs for each individual active member, payable from the member's effective date of employment (or entry age) to projected date of retirement, are sufficient to accumulate the value of the member's benefit at the time of retirement;
- (ii) each annual normal cost is a constant percentage of the active member's year-by-year projected pensionable pay.

Actuarial Accrued Liabilities. The actuarial present value of future benefits minus the actuarial present value of normal costs rendered after the valuation date are the actuarial accrued liabilities.

Funding Value of Assets. The accrued assets recognized as of the valuation date for the purpose of determining contribution requirements.

Unfunded Actuarial Accrued Liabilities. The actuarial accrued liabilities minus the funding value of assets are the unfunded actuarial accrued liabilities.

Amortization of Unfunded Actuarial Accrued Liabilities. Unfunded actuarial accrued liabilities were amortized by level (principal & interest combined) percent-of-payroll contributions over periods shown elsewhere in this report. Active member payroll was assumed to increase 4.5% a year for the purpose of determining the level percent contributions.

**LEVEL PERCENT OF ACTIVE MEMBER COVERED PAYROLL
AMORTIZATION OF UNFUNDED ACTUARIAL ACCRUED LIABILITY*
(\$ AMOUNTS IN THOUSANDS)
GENERAL MEMBERS**

Year	Pay		Unfunded		Contribution	
	Inflated Dollars	Constant Dollars	Inflated Dollars	Constant Dollars	Inflated Dollars	Constant Dollars
2013	\$ 7,749	\$7,749	\$ 6,379	\$6,379	\$ 126	\$ 126
2014	8,098	7,749	6,755	6,464	153	147
2015	8,462	7,749	7,133	6,532	422	387
2016	8,843	7,749	7,255	6,357	673	590
2017	9,241	7,749	7,120	5,970	396	332
2022	11,516	7,749	8,448	5,684	274	184
2027	14,351	7,749	9,125	4,927	1,075	580
2032	17,883	7,749	4,081	1,768	1,484	643
2042	27,772	7,749	(256)	(72)	(261)	(73)
2043	29,022	7,749	0	0	0	0

\$ (1,386,129)	over 30 years	\$ (1,329,964)	over 15 years
(708,853)	over 29 years	(2,039,002)	over 14 years
2,820,109	over 28 years	(539,700)	over 13 years
773,884	over 27 years	292,942	over 12 years
1,427,549	over 26 years	(339,631)	over 11 years
1,710,107	over 25 years	(1,326,055)	over 10 years
(3,574,655)	over 24 years	(276,344)	over 9 years
297,805	over 23 years	(8,373)	over 8 years
3,072,232	over 22 years	1,220,938	over 7 years
3,093,113	over 21 years	(459,056)	over 6 years
2,503,648	over 20 years	337,540	over 5 years
2,494,588	over 19 years	967,226	over 4 years
648,684	over 18 years	(580,829)	over 3 years
(1,150,992)	over 17 years	(464,518)	over 2 years
(1,076,908)	over 16 years	(20,402)	over 1 year
		\$ 6,378,954	TOTAL

Level percent-of-payroll financing of unfunded actuarial accrued liabilities treats each generation of taxpayers equally during the financing period. The alternative, level-dollar financing, produces declining percent-of-payroll contributions and places a greater relative burden on current taxpayers.

The annual rate of increase in member payroll used to compute the level percent-of-payroll contribution is the same rate of payroll growth used to compute actuarial liabilities and costs. It reflects across-the-board salary increases not group size increases.

If future payroll growth is less than the assumed rate due to smaller than projected salary increases, the percent-of-payroll contribution rate for unfunded actuarial accrued liabilities will tend to decline.

If future payroll growth is less than the assumed rate due to decreases in the number of members, the percent-of-payroll contribution rate for unfunded actuarial accrued liabilities will tend to increase but dollar contributions will be less than indicated in the preceding schedule.

**LEVEL PERCENT OF ACTIVE MEMBER COVERED PAYROLL
AMORTIZATION OF UNFUNDED ACTUARIAL ACCRUED LIABILITY*
(\$ AMOUNTS IN THOUSANDS)
UTILITY AUTHORITY MEMBERS**

Year	Pay		Unfunded		Contribution	
	Inflated Dollars	Constant Dollars	Inflated Dollars	Constant Dollars	Inflated Dollars	Constant Dollars
2013	\$11,378	\$11,378	\$10,608	\$10,608	\$ 739	\$ 739
2014	11,890	11,378	10,671	10,212	769	736
2015	12,425	11,378	10,708	9,806	677	619
2016	12,984	11,378	10,846	9,504	839	735
2017	13,568	11,378	10,823	9,076	405	340
2022	16,908	11,378	13,463	9,059	520	350
2027	21,071	11,378	14,423	7,788	1,403	757
2032	26,258	11,378	7,935	3,438	2,177	943
2042	40,778	11,378	(246)	(69)	(251)	(70)
2043	42,613	11,378	0	0	0	0

* \$ (1,332,212)	over 30 years	\$ (3,074,262)	over 15 years
(1,883,874)	over 29 years	(2,634,113)	over 14 years
4,744,800	over 28 years	1,017,470	over 13 years
2,857,640	over 27 years	336,651	over 12 years
2,483,128	over 26 years	(1,114,223)	over 11 years
1,986,286	over 25 years	(1,550,680)	over 10 years
(2,605,619)	over 24 years	(412,930)	over 9 years
(3,103,758)	over 23 years	(240,237)	over 8 years
6,936,851	over 22 years	316,526	over 7 years
1,861,165	over 21 years	(112,881)	over 6 years
3,214,008	over 20 years	217,214	over 5 years
3,439,258	over 19 years	1,480,747	over 4 years
588,467	over 18 years	(329,877)	over 3 years
(1,321,368)	over 17 years	225,210	over 2 years
(1,384,528)	over 16 years	3,221	over 1 year
		\$ 10,608,080	TOTAL

Level percent-of-payroll financing of unfunded actuarial accrued liabilities treats each generation of taxpayers equally during the financing period. The alternative, level-dollar financing, produces declining percent-of-payroll contributions and places a greater relative burden on current taxpayers.

The annual rate of increase in member payroll used to compute the level percent-of-payroll contribution is the same rate of payroll growth used to compute actuarial liabilities and costs. It reflects across-the-board salary increases not group size increases.

If future payroll growth is less than the assumed rate due to smaller than projected salary increases, the percent-of-payroll contribution rate for unfunded actuarial accrued liabilities will tend to decline.

If future payroll growth is less than the assumed rate due to decreases in the number of members, the percent-of-payroll contribution rate for unfunded actuarial accrued liabilities will tend to increase but dollar contributions will be less than indicated in the preceding schedule.

**LEVEL PERCENT OF ACTIVE MEMBER COVERED PAYROLL
AMORTIZATION OF UNFUNDED ACTUARIAL ACCRUED LIABILITY*
(\$ AMOUNTS IN THOUSANDS)
POLICE MEMBERS**

Year	Pay		Unfunded		Contribution	
	Inflated Dollars	Constant Dollars	Inflated Dollars	Constant Dollars	Inflated Dollars	Constant Dollars
2013	\$ 5,951	\$5,951	\$3,373	\$3,373	\$ (113)	\$ (113)
2014	6,219	5,951	3,763	3,601	(97)	(93)
2015	6,499	5,951	4,167	3,816	37	34
2016	6,791	5,951	4,462	3,910	172	151
2017	7,097	5,951	4,635	3,887	81	68
2022	8,844	5,951	6,244	4,201	192	129
2027	11,021	5,951	6,320	3,412	1,224	661
2032	13,734	5,951	1,847	800	1,033	448
2042	21,328	5,951	(253)	(71)	(257)	(72)
2043	22,288	5,951	0	0	0	0

* \$ (1,367,523)	over 30 years	\$ 1,978,544	over 15 years
110,941	over 29 years	(2,560,543)	over 14 years
898,847	over 28 years	(1,233,025)	over 13 years
645,633	over 27 years	(63,779)	over 12 years
526,132	over 26 years	(524,825)	over 11 years
634,506	over 25 years	(1,053,830)	over 10 years
(3,121,971)	over 24 years	(226,101)	over 9 years
549,961	over 23 years	(205,337)	over 8 years
3,895,660	over 22 years	300,794	over 7 years
2,403,888	over 21 years	(655,888)	over 6 years
1,572,808	over 20 years	319,392	over 5 years
1,509,765	over 19 years	312,317	over 4 years
1,204,679	over 18 years	(335,307)	over 3 years
(422,718)	over 17 years	(245,692)	over 2 years
(1,455,180)	over 16 years	(19,412)	over 1 year
		<u>\$ 3,372,736</u>	TOTAL

Level percent-of-payroll financing of unfunded actuarial accrued liabilities treats each generation of taxpayers equally during the financing period. The alternative, level-dollar financing, produces declining percent-of-payroll contributions and places a greater relative burden on current taxpayers.

The annual rate of increase in member payroll used to compute the level percent-of-payroll contribution is the same rate of payroll growth used to compute actuarial liabilities and costs. It reflects across-the-board salary increases not group size increases.

If future payroll growth is less than the assumed rate due to smaller than projected salary increases, the percent-of-payroll contribution rate for unfunded actuarial accrued liabilities will tend to decline.

If future payroll growth is less than the assumed rate due to decreases in the number of members, the percent-of-payroll contribution rate for unfunded actuarial accrued liabilities will tend to increase but dollar contributions will be less than indicated in the preceding schedule.

ACTUARIAL ESTIMATES USED FOR THE VALUATION

Funding objective contribution requirements and actuarial present values are calculated by applying estimates of future activities (actuarial estimates) to the benefit provisions and people information of the System.

The principal areas of risk which require estimates of future activities are:

- (i) long-term rates of investment return to be generated by the assets of the System
- (ii) patterns of pay increases to members
- (iii) rates of mortality among members, retirants, and beneficiaries
- (iv) rates of withdrawal of active members
- (v) rates of disability among active members
- (vi) the age patterns of actual retirements

In a valuation, the monetary effect of each activity is calculated for as long as a present covered person survives - - - a period of time which can be as long as a century.

Actual activities of the System will not coincide exactly with estimated activities, due to the nature of the activities. Each valuation provides a complete recalculation of estimated future activities and takes into account the effect of differences between estimated and actual activities to date. The result is a continual series of adjustments (usually small) to the computed contribution rate.

From time to time one or more of the estimates are modified to reflect experience trends (but not random or temporary year to year fluctuations).

Actuarial estimates regarding the net investment return, inflation, real investment return, and salary increase rates are used, in combination with the other assumptions, to (i) determine the present value of amounts expected to be paid in the future and (ii) establish rates of contribution which are expected to remain relatively level as a percent of total valuation payroll.

Net Rate of Investment Return. 8% per annum, compounded annually, net of investment expenses.

Inflation. 4.5% per annum, (5.0% prior to 10-1-95), compounded annually. This is the rate at which growth in the supply of money and credit is estimated to exceed growth in the supply of goods and services. It may be thought of as the rate of depreciation of the purchasing power of the dollar. There are a number of indices for measuring the inflation rate. The recent inflation rate, as measured by the Consumer Price Index, has been:

	Year Ended September 30					Average for Period
	2013	2012	2011	2010	2009	
Actual	1.2%	2.0%	3.9%	1.1%	(1.3%)	1.4%
Assumed	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%

Real Investment Return. 3.5% per annum, compounded annually. This is the rate of return assumed to be produced by investing a pool of assets in an inflation-free environment. Recent real investment return for the Retirement System has been:

	Year Ended September 30					Average for Period
	2013	2012	2011	2010	2009	
Total Rate of Return	10.8%	8.0%	(0.2%)	4.2%	4.0%	5.4%
Less Inflation Rate	1.2%	2.0%	3.9%	1.1%	(1.3%)	1.4%
Actual Real Rate of Return	9.6%	6.0%	(4.1%)	3.1%	5.3%	4.0%
Assumed Real Rate of Return	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
Assumed Net Rate of Return	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%

The total investment return rate was computed using the approximate formula $i = I$ divided by $1/2 (A + B - I)$, where I is actual realized investment income plus market value adjustments, A is the beginning of year asset value, and B is the end of year asset value.

The preceding investment return rates reflect the particular characteristics of this Retirement System and should not be used to measure an investment advisor's performance or for comparison with other retirement systems. Such use will usually mislead.

Salary Increases. Employee salaries are estimated to increase between the date of hire and date of retirement. Salary increases occur in recognition of (i) individual merit and seniority, (ii) inflation related depreciation of the purchasing power of salaries, and (iii) competition from other employers for personnel.

A schedule of estimated rates of increases in individual salaries for sample ages follows:

Annual Rates of Salary Increases For Sample Ages						
Age	General & Utilities Authority			Police Officers		
	Merit & Seniority	Inflation	Total	Merit & Seniority	Inflation	Total
20	4.2 %	4.5 %	8.7 %	4.0 %	4.5 %	8.5 %
30	2.5 %	4.5 %	7.0 %	2.8 %	4.5 %	7.3 %
40	1.8 %	4.5 %	6.3 %	2.2 %	4.5 %	6.7 %
50	0.9 %	4.5 %	5.4 %	1.2 %	4.5 %	5.7 %
55	0.5 %	4.5 %	5.0 %	0.7 %	4.5 %	5.2 %
60	0.1 %	4.5 %	4.6 %	0.2 %	4.5 %	4.7 %

These rates were first used in the September 30, 2001 valuation.

It is estimated that the group size will remain constant and that total payroll for the group will increase at the rate of the general increase in wage levels due to inflation, which in this case is 4.5%.

A schedule of recent salary change experience follows:

	% Change in Salaries					
	Year Ended September 30					Average
	2013	2012	2011	2010	2009	5 Year
Rate of Change in Salaries						
- Total	4.2 %	3.2 %	0.1 %	1.0 %	2.5 %	2.2 %
- General	3.7	3.9	(0.6)	0.8	1.6	1.9
- U.A.	2.8	1.6	2.8	1.9	2.4	2.3
- Police	7.9	5.4	(4.7)	(0.7)	4.3	2.3
Expected						
- Total	5.8	5.8	5.9	5.9	5.9	5.9 %
- General	5.6	5.6	5.7	5.7	5.6	5.6
- U.A.	5.7	5.7	5.7	5.7	5.7	5.7
- Police	6.7	6.8	6.8	6.8	6.8	6.8

	% Change in Total Payroll						
	Year Ended September 30					Average	
	2013	2012	2011	2010	2009	5 Year	10 Year
- Total	(2.5) %	0.4 %	(3.9) %	(13.7) %	(5.9) %	(4.5) %	0.3 %
- General	(10.0)	1.6	(4.3)	(20.1)	(7.0)	(8.2)	(2.5)
- U.A.	(2.3)	(0.8)	(1.9)	(8.5)	(5.2)	(3.8)	1.8
- Police	8.9	1.0	(7.3)	(13.2)	(5.2)	(3.5)	1.8

* Does not include DROP payroll.

In order to achieve the funding objective of a contribution rate which remains level as a percent of payroll, the total rate of investment return must exceed the rate of average increase in salaries by an amount equal to the estimated real investment return rate.

Mortality Table. The mortality tables used to measure retired life mortality were the RP-2000 Combined healthy mortality table for males and the RP-2000 Combined healthy mortality table for females. The mortality rates used in evaluating disability allowances were the RP-2000 Combined mortality tables, set forward 10 years for males and females. No margin for future mortality improvements are included in these tables.

Sample Ages	RP-2000 Combined Healthy Table			
	Value of		Future	
	\$1 Monthly for Life		Expectancy (Years)	
	Men	Women	Men	Women
50	\$135.60	\$138.81	30.80	33.59
55	128.15	132.41	26.18	28.91
60	118.59	124.05	21.74	24.38
65	107.04	113.86	17.61	20.12
70	93.87	102.05	13.88	16.23
75	79.25	88.78	10.57	12.74
80	63.99	74.38	7.75	9.68

This estimate is used to measure the probabilities of members dying before retirement and the probabilities of each benefit payment being made after retirement. 100% of the death-in-service retirements were assumed to be non-duty.

Rates of separation from active membership. The rates do not apply to members eligible to retire and do not include separation on account of death or disability. This estimate measures the probabilities of members remaining in employment.

Samples Ages	Years of Service	Percent Separating Within Next Year	
		General and Utilities Authority	Police
ALL	0	20.00 %	15.00 %
	1	15.00	12.00
	2	10.00	10.00
	3	8.00	8.00
	4	7.00	6.00
20	5 & Over	7.00	5.80
25		7.00	5.80
30		7.00	4.20
35		7.00	2.10
40		7.00	1.40
45		4.50	1.00
50		2.00	1.00
55		2.00	1.00
60		2.00	1.00
65		2.00	1.00

The rates for all divisions were first used in the September 30, 2001 valuation.

Rates of Disability. These estimates represent the probabilities of active members becoming disabled.

Sample Ages	Percent Becoming Disabled Within Next Year	
	General and Utilities Authority	Police
20	0.04 %	0.07 %
25	0.04	0.09
30	0.04	0.10
35	0.05	0.14
40	0.10	0.21
45	0.17	0.32
50	0.36	0.52
55	0.59	0.92
60	0.90	1.53
65	1.00	1.65

The mortality table was set forward ten years for projecting disability costs. 100% of the disability retirements were assumed to be non-duty related for General and Utilities Authority members. 75% of the disability retirements were assumed to be non-duty for Police members.

Rates of Retirement. These rates are used to measure the probabilities of an eligible member retiring during the next year.

Service Years	Service Based		Age Based			
	General and Utilities Authority	Police	Retirement Ages	General and Utilities Authority	Police	
25	40 %	75 %	55		35 %	
26	40	75	56		30	
27	40	75	57		30	
28	40	75	58		30	
29	40	75	59		30	
30	40	100	60	10 %	30	
31	40	100	61	5	30	
32	40	100	62	12	30	
33	40	100	63	6	30	
34	40	100	64	14	40	
35	100	100	65	65	100	
			66	25		
			67	30		
			68	40		
			69	50		
			70	100		

These rates were first used for the September 30, 1995 valuation with the exception of the Police service based rates, which were first used for the September 30, 2000 valuation, Police age based rates which were first used for the September 30, 2001 valuation, and Utilities Authority service based rates which were first used for the September 30, 2007 valuation.

Marital Status. It is estimated that 80% of active members who meet the age and service requirements for pre-retirement survivor benefits are married. Female spouses are estimated to be 3 years younger than the male participant. Male spouses are estimated to be 3 years older than the female participant.

Vested members who terminate with a benefit worth less than 100% of their own accumulated contributions were presumed to elect a refund of accumulated contributions and forfeit the vested benefit.

Lump sum payments included in the calculation of the average pay upon which benefits are computed were estimated to increase benefits by the following percents.

General and Police Members	5.0 %
Utilities Authority Members	3.5

Administrative Expenses. Administrative expenses for the next year are assumed to be equal to the previous year's amount.

Investment Expenses. Investment expenses are paid out of investment income.

Active Member Group Size. The valuation was based on a constant active member group size.

DEFINITIONS OF TECHNICAL TERMS

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

Actuarial Accrued Liability. The difference between the actuarial present value of future benefit payments and the actuarial present value of future normal costs. Also referred to as "accrued liability" or "past service liability."

Actuarial Cost Method. A mathematical budgeting procedure for allocating the dollar amount of the "actuarial present value of future benefit payments" between future normal costs and actuarial accrued liability. Sometimes referred to as the "actuarial valuation cost method."

Actuarial Equivalent. A single amount or series of amounts of equal actuarial present value to another single amount or series of amounts, computed on the basis of appropriate actuarial activities.

Actuarial Present Value. The amount of funds currently required to provide a payment or series of payments in the future. It is determined by discounting future payments at predetermined rates of interest, and by probabilities of payment. Also referred to as "present value."

Amortization. Paying off an interest-discounted amount with periodic payments of interest and principal -- as opposed to paying off with lump sum payment.

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

Experience Gain (Loss). The difference between actual actuarial costs and estimated actuarial costs -- during the period between two valuation dates.

Funding Value of Assets. The actuarial value of assets used to determine contribution amounts.

Normal Cost. The actuarial cost allocated to the current year by the actuarial cost method. Sometimes referred to as "current service cost."

Unfunded Actuarial Accrued Liability. The difference between the actuarial accrued liability and the actuarial value of system assets. Sometimes referred to as "unfunded past service liability," "unfunded accrued liability" or "unfunded supplemental present value."

Most retirement systems have an unfunded actuarial accrued liability. They arise each time new benefits are added and each time an experience loss is realized.

Unfunded actuarial accrued liability does not represent a debt that is payable today. What is important is the ability to control the amount of unfunded actuarial accrued liability and the trend in its amount (after due allowance for devaluation of the dollar).

SECTION E

DISCLOSURES AND SUPPLEMENTARY INFORMATION REQUIRED BY STATEMENT NO. 25 OF THE GOVERNMENTAL ACCOUNTING STANDARDS BOARD

This information is presented in draft form for review by the System's auditor. Please let us know if there are any items that the auditor changes so that we may maintain consistency with the System's financial statements.

GASB STATEMENT NO. 25

REQUIRED SUPPLEMENTARY INFORMATION

SCHEDULE OF FUNDING PROGRESS (DOLLAR AMOUNTS IN THOUSANDS)

Valuation Date	Valuation Assets	AAL*	Funded Ratio	Unfunded AAL*	Member Payroll	Ratio to Payroll
9/03	\$ 168,943	\$ 162,127	104	\$(6,816)	\$40,313	(17)
9/04	171,558	186,671	92	15,113	43,544	35
9/05	185,776	216,534	86	30,758	48,880	63
9/06 (b)	120,062	130,861	92	10,799	30,532	35
9/07 (b)	135,944	138,610	98	2,666	30,984	9
9/08	143,467	150,475	95	7,008	32,952	21
9/09	147,094	158,755	93	11,661	31,016	38
9/10 (b)	148,691	164,865	90	16,174	26,779	60
10/11 (b)	142,463	167,683	85	25,220	25,744	98
11/12 (a)	147,618	173,314	85	25,696	25,842	99
11/12 (b)	147,618	171,745	86	24,127	25,842	93
12/13	157,145	177,505	89	20,360	25,199	81

* Actuarial Accrued Liabilities.

(a) Before changes in benefit provisions and/or actuarial assumptions.

(b) After changes in benefit provisions and/or actuarial assumptions.

SCHEDULE OF EMPLOYER CONTRIBUTIONS

Fiscal Year	Aggregate Contribution Rates as Percents of Valuation Payroll	Projected Dollar Contribution Based on Valuation Payroll #	Actual Contribution Based on Actual Payroll@
04/05	9.20	\$ 3,948,626	\$ 5,634,357
05/06	13.60	6,283,117	8,975,380
06/07	12.75	3,624,157	4,114,963
07/08	12.08	3,939,766	4,082,846
08/09	10.40	3,517,935	3,580,089
09/10	11.06	3,978,173	3,377,350
10/11	11.81	3,999,560	3,181,447
11/12	13.46	3,937,037	3,566,751
12/13	17.29	4,860,538	4,266,803
13/14*	16.57	4,676,221	
14/15	15.42	4,242,676	

Contribution for 07/08 fiscal year and beyond excludes general fire district.

@ Actual Employer contributions are determined by applying the Employer's contribution rate to the emerging payroll. Projected funding requirement is based on a stable work force and projected salary increases.

GASB STATEMENT No. 25 REQUIRED SUPPLEMENTARY INFORMATION

The information presented in the required supplementary schedules was determined as part of the actuarial valuations at the dates indicated. Additional information as of the latest actuarial valuation follows:

Valuation Date	September 30, 2013
Actuarial Cost Method	Individual Entry Age
Amortization Method	Level Percent-of-Payroll, Closed
Remaining Amortization Periods#	1-30 years
Asset Valuation Method	4-year smoothed market
Actuarial Assumptions:	
Investment Rate of Return*	8.00%
Projected Salary Increases*	General & U.A.: 4.5% - 8.7%
	Police: 4.5% - 8.5%
*Includes Inflation and other general increases at Cost-of-living adjustments	4.50% None
Retirees and beneficiaries receiving benefits	469
Terminated plan members entitled to but not yet receiving benefits	29
Active plan members	
- Vested	395
- Non-vested	141
	1,034
Total	1,034

The periods are in compliance with Florida Statutes and Actuarial Standards of Practice, but do not necessarily produce an Annual Required Contribution with an aggregate amortization of the unfunded actuarial accrued liability under 30 years.

SECTION F
STATE REQUIRED DATA

ACTUARIAL PRESENT VALUE OF ACCRUED BENEFITS

(\$ IN THOUSANDS)*

	September 30, 2013				September 30, 2012*									
	General Members	Utilities Authority	Police Members	Total	After Amendment				Before Amendment					
					General Members	Utilities Authority	Police Members	Total	General Members	Utilities Authority	Police Members	Total		
(i) Actuarial present value of active member benefits:														
Service retirement	\$22,307	\$33,736	\$25,891	\$ 81,934	\$23,991	\$35,626	\$24,713	\$ 84,331	\$24,882	\$37,200	\$25,327	\$ 87,409		
Vested termination benefits	2,621	3,468	785	6,875	2,879	3,549	771	7,199	2,892	3,571	772	7,235		
Disability retirement	703	959	1,076	2,738	777	971	1,027	2,774	781	978	1,028	2,787		
Survivor benefits (pre-retirement)	953	1,336	441	2,730	1,023	1,378	418	2,819	1,039	1,405	422	2,867		
Termination benefits - refunds	80	196	73	348	81	136	41	258	81	136	41	258		
Total	26,664	39,695	28,266	94,625	28,750	41,660	26,970	97,381	29,674	43,291	27,591	100,556		
(ii) Actuarial present value of terminated vested members	1,652	628	320	2,600	1,389	687	295	2,371	1,389	687	295	2,371		
(iii) Actuarial present value of retired members & beneficiaries:														
Present value of benefits	34,922	50,953	25,962	111,838	32,794	46,518	25,139	104,450	32,794	46,518	25,139	104,450		
Reserve	0	0	0	0	0	0	0	0	0	0	0	0		
Total	34,922	50,953	25,962	111,838	32,794	46,518	25,139	104,450	32,794	46,518	25,139	104,450		
(iv) Total actuarial present value of future benefit payments	63,238	91,275	54,549	209,062	62,933	88,865	52,404	204,202	63,857	90,496	53,025	207,378		
(v) Present value of active member future payroll	60,739	88,102	52,264	201,105	68,755	89,020	48,692	206,467	68,755	89,020	48,692	206,467		
(vi) Present value of future active member contributions	3,134	5,427	2,697	11,258	3,548	5,484	2,513	11,544	3,548	5,484	2,513	11,544		
(vii) Active member accumulated contributions	4,187	7,631	3,486	15,304	4,412	7,996	3,399	15,807	4,412	7,996	3,399	15,807		
(viii) Plan costs for fiscal year beginning October 1, 2014														
Normal costs														
Service pensions	11.36%	10.62%	17.06%		11.27%	10.74%	17.31%		11.71%	11.37%	17.91%			
Disability pensions	0.51%	0.50%	1.15%		0.51%	0.50%	1.15%		0.52%	0.51%	1.15%			
Death-in-service pensions	0.61%	0.61%	0.41%		0.61%	0.62%	0.41%		0.62%	0.63%	0.41%			
Deferred service pensions	2.26%	2.22%	0.94%		2.27%	2.27%	0.97%		2.28%	2.28%	0.97%			
Refunds of member contributions	0.52%	0.63%	0.35%		0.51%	0.59%	0.32%		0.51%	0.59%	0.32%			
Total normal cost	15.26%	14.58%	19.91%		15.17%	14.72%	20.16%		15.64%	15.38%	20.76%			
Payment to amortize unf'd act. accr. liab.	1.61%	6.50%	0.00%		2.99%	6.88%	0.00%		3.31%	7.26%	0.00%			
Administrative expenses	0.18%	0.18%	0.18%		0.27%	0.27%	0.27%		0.27%	0.27%	0.27%			
FS112.64(5) Requirement/Temporary Funding Credits	2.72%	1.71%	-1.17%		2.93%	1.70%	0.06%		3.13%	1.82%	0.30%			
Amount to be paid by participants	5.16%	6.16%	5.16%		5.16%	6.16%	5.16%		5.16%	6.16%	5.16%			
Expected plan sponsor contribution														
% of payroll	14.61%	16.81%	13.76%	15.42%	16.20%	17.41%	15.33%	16.57%	17.19%	18.57%	16.17%	17.61%		
dollars	1,239	2,117	886	4,243	1,526	2,244	907	4,676	1,619	2,393	956	4,969		

* Totals may be off due to rounding.

** As amended by the August 16, 2013 impact statement.

ACTUARIAL PRESENT VALUE OF ACCRUED BENEFITS (\$ IN THOUSANDS)*

	September 30, 2013				September 30, 2012**							
	General Members	Utilities Authority	Police Members	Total	After Amendment				Before Amendment			
	General Members	Utilities Authority	Police Members	Total	General Members	Utilities Authority	Police Members	Total	General Members	Utilities Authority	Police Members	Total
Actuarial Present Value of Accrued Benefits (calculated in accordance with FASB Statement No. 35)												
(i) Vested accrued benefits												
Retired members and beneficiaries	\$ 34,922	\$ 50,953	\$ 25,962	\$ 111,837	\$ 32,794	\$ 46,518	\$ 25,139	\$ 104,451	\$ 32,794	\$ 46,518	\$ 25,139	\$ 104,451
Terminated members	1,652	628	320	2,600	1,389	687	295	2,371	1,389	687	295	2,371
Active members (includes non-forfeitable accum. member contributions)	11,189	20,368	13,300	44,857	12,532	22,021	12,502	47,055	12,532	22,021	12,502	47,055
Total	\$ 47,763	\$ 71,949	\$ 39,582	\$ 159,294	\$ 46,715	\$ 69,226	\$ 37,936	\$ 153,877	\$ 46,715	\$ 69,226	\$ 37,936	\$ 153,877
(ii) Non-vested accrued benefits	669	1,105	1,280	3,054	1,197	1,335	1,054	3,586	1,197	1,335	1,054	3,586
(iii) Total actuarial p.v. of accrued benefits	\$ 48,432	\$ 73,054	\$ 40,862	\$ 162,348	\$ 47,912	\$ 70,561	\$ 38,990	\$ 157,463	\$ 47,912	\$ 70,561	\$ 38,990	\$ 157,463
(iv) Actuarial p.v. of accrued benefits at begin. of year	\$ 47,912	\$ 70,561	\$ 38,990	\$ 157,463	\$ 47,065	\$ 68,899	\$ 36,940	\$ 152,904	\$ 47,065	\$ 68,899	\$ 36,940	\$ 152,904
(v) Changes attributable to:												
Amendments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0	\$ -	\$ -
Assumption change	-	-	-	-	-	-	-	-	0	0	0	0
Operation of decrements	4,270	7,818	4,464	16,552	4,425	6,471	4,505	15,401	4,425	6,471	4,505	15,401
Benefit payments	(3,750)	(5,325)	(2,592)	(11,667)	(3,578)	(4,809)	(2,455)	(10,842)	(3,578)	(4,809)	(2,455)	(10,842)
Other	-	-	-	-	-	-	-	-	-	-	-	-
(vi) Net change	520	2,493	1,872	4,885	847	1,662	2,050	4,559	847	1,662	2,050	4,559
(vii) Actuarial p.v. of Accr. benefits at end of year	\$ 48,432	\$ 73,054	\$ 40,862	\$ 162,348	\$ 47,912	\$ 70,561	\$ 38,990	\$ 157,463	\$ 47,912	\$ 70,561	\$ 38,990	\$ 157,463
Actuarial Present Value of Accrued Benefits Using FRS Interest Rate												
(i) Vested	\$ 48,909	\$ 73,655	\$ 40,594	\$ 163,158	\$ 47,830	\$ 70,995	\$ 38,973	\$ 157,798	\$ 47,830	\$ 70,995	\$ 38,973	\$ 157,798
(ii) Non-Vested	697	1,137	1,332	3,166	1,233	1,380	1,097	3,710	1,233	1,380	1,097	3,710
(iii) Total	49,606	74,792	41,926	166,324	49,063	72,375	40,070	161,508	49,063	72,375	40,070	161,508
(iv) Market Value of Assets (MVA)	51,386	73,280	44,097	168,763	47,093	66,995	40,111	154,199	47,093	66,995	40,111	154,199
(v) Funded Ratio Using FRS Interest Rate and MVA	103.59%	97.98%	105.18%	101.47%	95.98%	92.57%	100.10%	95.47%	95.98%	92.57%	100.10%	95.47%

* Totals may be off due to rounding.

** As amended by the August 16, 2013 impact statement.

RECONCILIATION OF MEMBERSHIP DATA

	<u>From 10/1/12 To 9/30/13</u>	<u>From 10/1/11 To 9/30/12</u>
A. Active Members		
1. Number Included in Last Valuation	552	557
2. New Members Included in Current Valuation	51	44
3. Non-Vested Employment Terminations	(36)	(28)
4. Vested Employment Terminations	(3)	(2)
5. Service Retirements	(26)	(13)
6. Disability Retirements	0	(3)
7. Deaths	(2)	(3)
8. Other	0	0
9. Number Included in this Valuation	536	552
B. Terminated Vested Members		
1. Number Included in Last Valuation	29	30
2. Additions from Active Members	3	2
3. Lump Sum Payments	(2)	(1)
4. Payments Commenced	0	(2)
5. Deaths	0	0
6. Other	(1)	0
7. Number Included in this Valuation	29	29
C. Service Retirees, Disability Retirees and Beneficiaries		
1. Number Included in Last Valuation	452	439
2. Additions from Active Members	28	17
3. Additions from Terminated Vested Members	0	2
4. Removals Resulting in No Further Payments	(15)	(14)
5. Deaths Resulting in New Survivor Benefits	4	7
6. Other	0	1
7. Number Included in this Valuation	469	452

March 14, 2014

Ms. Gloria J. Johnson
Finance Director
City of Fort Pierce Retirement and Benefit System
100 North U.S. Highway 1
Fort Pierce, Florida 34954-1480

Dear Gloria:

Enclosed are 25 copies of the September 30, 2013 Annual Actuarial Valuation of the City of Fort Pierce Retirement and Benefit System.

As directed by the Board, we have sent a copy directly to the following:

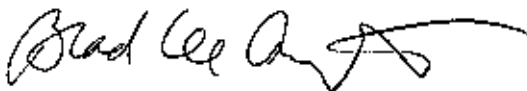
DiBartolomeo, McBee, Hartley & Barnes, P.A.

One copy should be sent, within 60 days to:

Bureau of Local Retirement Systems	Office of Municipal Police Officers'
Division of Retirement	& Firefighters' Retirement Funds
P.O. Box 9000	P.O. Box 3010
Tallahassee, Florida 32315-9000	Tallahassee, Florida 32315-3010

We welcome your questions and comments.

Sincerely yours,



Brad Lee Armstrong, ASA, EA, MAAA

BLA:mr
Enclosures