

# CITY OF NAPLES GENERAL RETIREMENT SYSTEM

ACTUARIAL VALUATION REPORT AS OF OCTOBER 1, 2007

ANNUAL EMPLOYER CONTRIBUTION IS DETERMINED BY THIS VALUATION FOR THE YEAR ENDING SEPTEMBER 30,2009



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November 6, 2007

Board of Trustees City of Naples General Employees Retirement System Naples, Florida

Dear Trustees:

We are pleased to present our October 1, 2007 Actuarial Valuation Report for the Plan. The purpose of the Report is to set forth required contribution levels, to disclose plan assets and actuarial liabilities, to comment on funding progress and to provide supporting information regarding the operation of the Plan. This Report is also designed to comply with requirements of the State.

The valuation was performed on the basis of employee, retiree and financial information supplied by the City. Although we did not audit this information, it was reviewed for reasonableness and comparability to prior years.

The benefits valued are outlined at the end of the Report. Actuarial assumptions and the actuarial cost method are also described herein. Any changes in benefits, assumptions or methods are described in the first section.

We will be pleased to answer any questions pertaining to the valuation and to meet with you to review this Report.

Respectfully submitted,

GABRIEL, ROEDER, SMITH AND COMPANY

J. Stephen Palmquist, ASA, MAAA, FCA

Enrolled Actuary No. 05-1560

Melissa R. Moskovitz, EA, MAAA, FCA

Enrolled Actuary No. 05-6467

## STATEMENT BY ENROLLED ACTUARY

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 cost 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.

Jettepher Palmerit
Signature

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05-1560

**Enrollment Number** 

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# SECTION A DISCUSSION OF VALUATION RESULTS

### **DISCUSSION OF VALUATION RESULTS**

# Comparison of Required Employer Contributions

The minimum required employer contribution developed in this year's valuation is compared below with that of the previous valuation:

	For FYE 9/30/09 Based on 10/1/07 Valuation	For FYE 9/30/08 Based on 10/1/06 Valuation *	Increase (Decrease)
Required Employer Contribution As % of Covered Payroll	\$ 1,881,902	\$ 1,110,259	\$ 771,643
	12.85 %	9.17 %	3.68 %

<sup>\*</sup> From May 15, 2007 Supplemental Valuation Report

The required contributions listed above were calculated as though payment is made evenly throughout the fiscal year. The actual employer contribution for the fiscal year ending September 30, 2007 was \$1,160,170 compared to the minimum required contribution of \$1,094,083.

# Revisions in Benefits

There have been no changes in benefits since the May 15, 2007 Supplemental Valuation Report which showed the actuarial impact of providing an additional death benefit of the employer contributions made to the Plan on the member's behalf, for members who have completed at least five years and six months of credited service at the time of death.

### **Revisions in Actuarial Assumptions or Methods**

This Valuation reflects the following revisions in actuarial assumptions and methods:

- 1. The salary increase assumption was changed from 6% per year to a service based table.
- 2. The Turnover Rates were changed to a select table based on service and an ultimate table based on age.
- 3. The Retirement Rates were changed to a table based on eligibility.
- 4. The Mortality Rates were changed from the 1983 Group Annuity Mortality Table to the RP-2000 Generational Mortality Table.
- 5. The Investment Return assumption was reduced to 8% from 8.5% per year.
- 6. The Asset Valuation method was changed to a method that recognizes 20% of the difference between the market value of assets and the expected actuarial asset value.

# **Actuarial Experience**

During the past year, there was a net actuarial loss of \$678,886 which means that actual experience was less favorable than expected. The gains due to a better than expected return on assets were more than offset by losses due to higher than expected salary increases. The net loss increased the required employer contribution by 0.27% of covered payroll.

# **Funded Ratio**

This year's funded ratio is 83.0% compared to 91.7% last year. This year's ratio was 90.9% before the change in assumptions and asset valuation method. The ratio is equal to the actuarial value of assets divided by the actuarial accrued (past service) liability.

# **Analysis of Change in Employer Contribution**

The components of change in the required employer contribution are as follows:

Contribution Rate Last Year	9.17 %
Amortization Payment on UAAL	(0.30)
Change in Normal Cost Rate	0.25
Actuarial Experience	0.27
Change in Actuarial Assumptions/Methods	3.38
Change in Administrative Expenses	0.08
Contribution Rate This Year	12.85

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, 2007  After Changes		October 1, 2007  Before Changes		October 1, 2006	
ACTIVE MEMBERS						
Number Covered Annual Payroll Average Annual Payroll Average Age Average Past Service Average Age at Hire	\$	302 13,816,182 45,749 48.0 8.7 39.3	\$	302 13,724,918 45,447 48.0 8.7 39.3	\$	269 11,422,183 42,462 48.1 9.5 38.6
RETIREES, BENEFICIARIES & DROP						
Number Annual Benefits Average Annual Benefit Average Age	\$	188 1,947,674 10,360 70.2	\$	188 1,947,674 10,360 70.2	\$	185 1,843,858 9,967 69.7
DISABILITY RETIREES						
Number Annual Benefits Average Annual Benefit Average Age	\$	1 10,171 10,171 58.2	\$	1 10,171 10,171 58.2	\$	1 10,171 10,171 57.2
TERMINATED VESTED MEMBERS						
Number Annual Benefits Average Annual Benefit Average Age	\$	21 203,853 9,707 51.8	\$	21 203,853 9,707 51.8	\$ \$	22 204,704 9,305 50.6

ANNUAL REQUIRED CONTRIBUTION (ARC)						
A. Valuation Date	October 1, 2007 October 1, 2007  After Changes Before Changes		October 1, 2006 *			
B. ARC to Be Paid During Fiscal Year Ending	9/30/2009	9/30/2009	9/30/2008			
C. Assumed Dates of Employer Contributions	Evenly	Evenly	Evenly			
D. Annual Payment to Amortize     Unfunded Actuarial Liability	\$ 406,393	\$ 221,769	\$ 188,011			
E. Employer Normal Cost	1,300,890	1,024,661	817,164			
F. ARC if Paid on the Valuation Date: D + E	1,707,283	1,246,430	1,005,175			
G. ARC Adjusted for Frequency of Payments	1,775,574	1,299,403	1,047,895			
H. ARC as % of Covered Payroll	12.85 %	9.47 %	9.17 %			
Assumed Rate of Increase in Covered     Payroll to Contribution Year	6.00 %	6.00 %	6.00 %			
J. Covered Payroll for Contribution Year	14,645,153	14,548,413	12,107,514			
K. ARC for Contribution Year: H x J	1,881,902	1,377,735	1,110,259			
L. REC as % of Covered Payroll in Contribution Year: K ÷ J	12.85 %	9.47 %	9.17 %			

<sup>\*</sup> From May 15, 2007 Supplemental Valuation Report

ACTUARIAL VALUE OF BENEFITS AND ASSETS					
A. Valuation Date     B. Actuarial Present Value of All Projected     Benefits for	October 1, 2007 After Changes	October 1, 2007 Before Changes	October 1, 2006 *		
Active Members     a. Service Retirement Benefits     b. Vesting Benefits     c. Disability Benefits     d. Preretirement Death Benefits     e. Return of Member Contributions     f. Total	\$ 37,521,678 2,189,042 975,005 - 797,127 41,482,852	\$ 32,751,296 1,426,945 485,554 - 725,756 35,389,551	\$ 28,511,768 1,302,613 428,671 - 590,183 30,833,235		
Inactive Members     a. Service Retirees & Beneficiaries     b. Disability Retirees     c. Terminated Vested Members     d. Total	17,868,021 99,329 1,319,666 19,287,016	16,677,528 89,095 1,188,442 17,955,065	15,702,988 90,959 <u>1,171,246</u> 16,965,193		
3. Total for All Members	60,769,868	53,344,616	47,798,428		
C. Actuarial Accrued (Past Service) Liability per GASB No. 25	46,672,839	43,287,109	39,652,109		
D. Actuarial Value of Accumulated Plan Benefits per FASB No. 35	38,242,079	36,934,752	33,713,003		
E. Plan Assets 1. Market Value 2. Actuarial Value	36,972,631 38,725,809	36,972,631 39,352,929	33,141,609 36,354,277		
F. Unfunded Actuarial Accrued Liability: C-E2	7,947,030	3,934,180	3,297,832		
G. Actuarial Present Value of Projected Covered Payroll	103,267,490	86,079,261	71,669,061		
Actuarial Present Value of Projected     Member Contributions	5,163,374	4,303,963	3,583,453		

<sup>\*</sup> From May 15, 2007 Supplemental Valuation Report

CALCULATION OF EMPLOYER NORMAL COST					
A. Valuation Date     B. Normal Cost for	October 1, 2007 After Changes	October 1, 2007 Before Changes	October 1, 2006 *		
<ol> <li>Service Retirement Benefits</li> <li>Vesting Benefits</li> <li>Disability Benefits</li> <li>Preretirement Death Benefits</li> <li>Return of Member Contributions</li> <li>Total for Future Benefits</li> <li>Assumed Amount for Administrative Expenses</li> <li>Total Normal Cost</li> </ol>	\$ 1,539,375 160,450 47,936 - 160,338 1,908,099 83,600 1,991,699	\$ 1,326,754 92,793 25,173 - 182,587 1,627,307 83,600 1,710,907	\$ 1,066,783 81,485 20,887 - 158,906 1,328,061 - 60,212 1,388,273		
C. Expected Member Contribution  D. Employer Normal Cost: B8-C	690,809 1,300,890	686,246 1,024,661	571,109 817,164		
E. Employer Normal Cost as a % of Covered Payroll	9.42%	7.47%	7.15%		

<sup>\*</sup> From May 15, 2007 Supplemental Valuation Report

# LIQUIDATION OF THE UNFUNDED ACTUARIAL ACCRUED LIABILITY

A. UAAL Amortization Period and Payments					
	Original UAAL		Current UAAL		
			Years		
Date	Source	Amount	Remaining	Amount	Payment
10/1/2002 10/1/2003 10/1/2004 10/1/2004 10/1/2005 10/1/2006 10/1/2006 10/1/2007 10/1/2007	Exp. Loss Exp. Loss Exp. Loss Amendment Exp. Gain Exp. Gain Amendment Exp. Loss Method/Assump. Changes	\$ N/A N/A N/A N/A (1,775,263) (174,227) 58,957 678,886 4,012,850	25 26 27 27 28 29 29 30 30	\$ 1,727,504 625,618 2,794,931 23,673 (1,802,117) (172,784) 58,469 678,886 4,012,850 7,947,030	\$ 94,922 33,467 145,764 1,235 (91,749) (8,598) 2,909 33,055 195,388 406,393

# B. Amortization Schedule

The UAAL is being amortized as a level percent of payroll over the number of years remaining in the amortization period. The expected amortization schedule is as follows:

Amortization Schedule					
Year	Expected UAAL				
2007	\$ 7,947,030				
2008	8,143,886				
2009	8,334,547				
2010	8,517,418				
2011	8,690,725				
2012	8,852,492				
2017	9,402,614				
2022	9,215,039				
2027	7,668,401				
2032	3,773,691				
2037	-				

### **ACTUARIAL GAINS AND LOSSES**

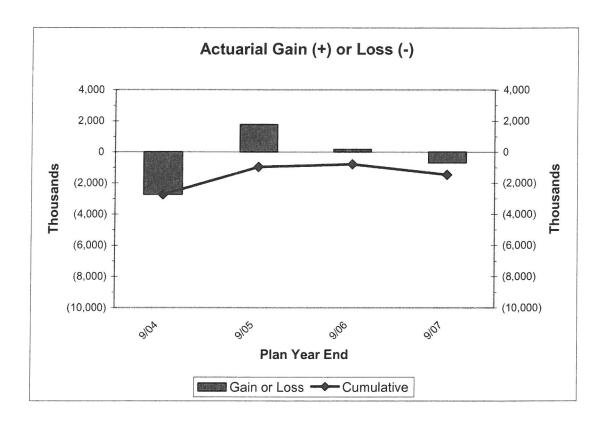
The assumptions used to anticipate mortality, employment turnover, investment income, expenses, salary increases, and other factors have been based on long-range trends and expectations. Actual experience can vary from these expectations. The variance is measured by the gain and loss for the period involved. If significant long-term experience reveals consistent deviation from what has been expected and that deviation is expected to continue, the assumptions should be modified. The net actuarial gain (loss) for the past year is computed as follows:

1.	Last Year's UAAL	\$ 3,297,832 *
2.	Last Year's Employer Normal Cost	817,164
3.	Last Year's Contributions a. Employer b. State c. a + b	1,160,170 - 1,160,170
4.	Interest at the Assumed Rate on: a. 1 and 2 for one year b. 3 from dates paid c. a - b	349,775 49,307 300,468
5.	This Year's Expected UAAL 1 + 2 - 3c + 4c	3,255,294
6.	This Year's Actual UAAL (before any changes in Benefits or Assumptions)	3,934,180
7.	Net Actuarial Gain (Loss): 5 - 6	(678,886)
8.	Gain (Loss) Due to Investments	188,825
9.	Gain (Loss) from Other Sources	(867,711)
	This Year's Actual UAAL (after changes in Benefits or Assumptions)	7,947,030
	Change in UAAL Due to Change in Assumptions and Methods	4,012,850

<sup>\*</sup> From May 15, 2007 Supplemental Valuation Report

Net actuarial gains (losses) in previous years are as follows:

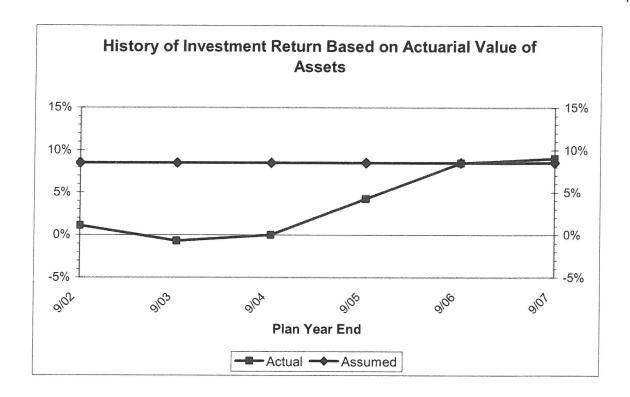
Year Ended	Gain (Loss)
9/30/2004	\$ (2,736,580)
9/30/2005	1,775,263
9/30/2006	174,227
9/30/2007	(678,886)

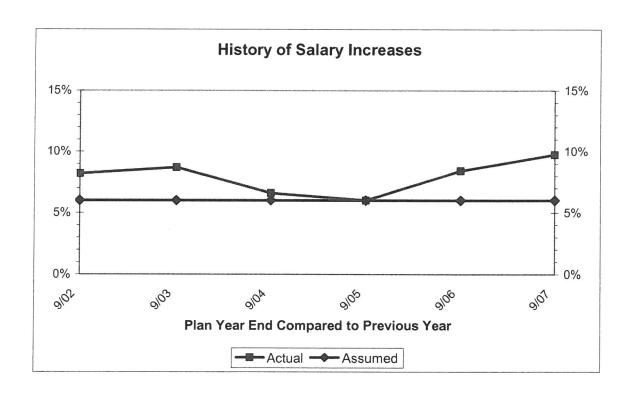


The fund earnings and salary increase assumptions have considerable impact on the cost of the Plan so it is important that they are in line with the actual experience. The following table shows the actual fund earnings and salary increase rates compared to the assumed rates for the last few years:

	Investment Return		Salary	Increases
Year Ending	Actual	Assumed	Actual	Assumed
9/30/2002	1.1%	8.5%	8.2%	6.0%
9/30/2003	(0.7)	8.5	8.7	6.0
9/30/2004	0.0	8.5	6.6	6.0
9/30/2005	4.3	8.5	6.0	6.0
9/30/2006	8.5	8.5	8.4	6.0
9/30/2007	9.0	8.5	9.8	6.0
Averages	3.6%		7.9%	

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 valuations both at the beginning and the end of each year.



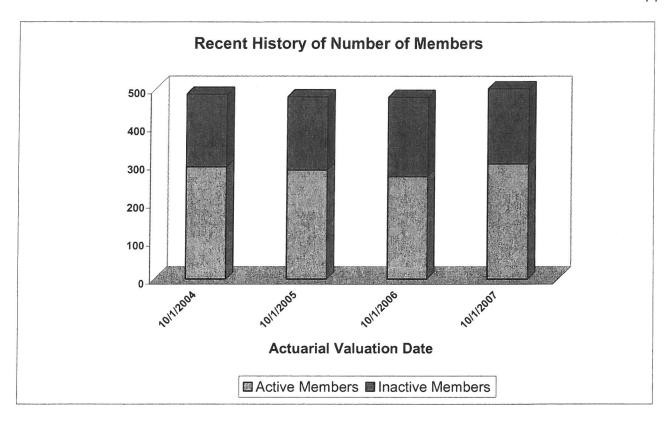


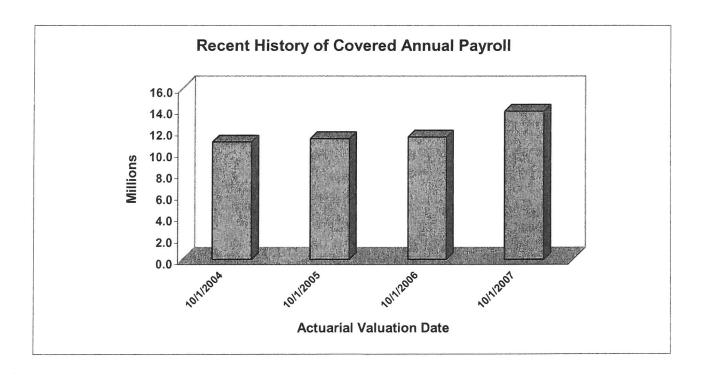
# Actual (A) Compared to Expected (E) Decrements Among Active Employees

Year	Nun Add Dur Ye	ing	D	vice & ROP rement	Disal Retire	•	De	ath	Te Vested	erminat Other	Ve Tee 0.000	tals	Active Members End of
Ended	Α	E	Α	Е	Α	E	Α	Е	Α	Α	Α	E	Year
9/30/2006 9/30/2007 9/30/2008	42 62	59 29	10 8	34 35 19	0	0 0 1	0	0 0 0	12 1	37 19	49 20	17 16 26	269 302
2 Yr Totals *	104	88	18	69	0	0	1	0	13	56	69	33	

<sup>\*</sup> Totals are through current Plan Year only.

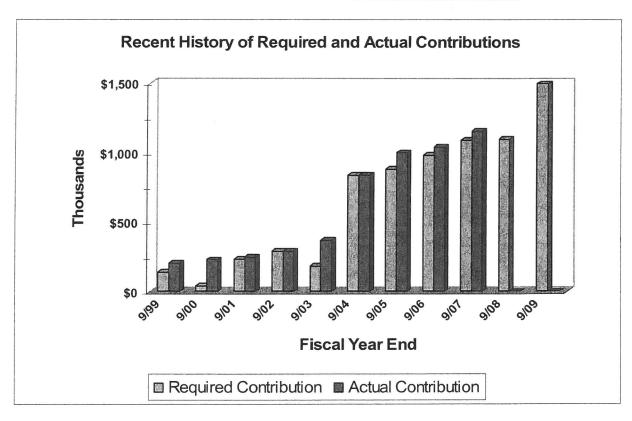
			RECENT HISTO	RECENT HISTORY OF VALUATION RESULTS	RESULTS		
	Num	Number of				Employer Normal Cost	ormal Cost
Valuation	Active	Inactive	Covered Annual	Actuarial Value of			
Date	Members	Member	Payroll	Assets	UFAAL	Amount	% of Payroll
10/1/2004	294	191	\$ 10,945,911	\$ 32,966,229	\$ 5.078.374	\$ 688.315	% 628
10/1/2005	286	192	11,268,057	33,997,608	3,341,373	807 413	7 17
10/1/2006	269	208	11,422,183	36,354,277	3,297,832	817,164	7.15
10/1/2007	302	210	13,816,182	38,725,809	7,947,030	1,300,890	9.42
							1





RECENT HISTORY OF REQUIRED AN	D ACTUAL CONTRIBUTIONS

	End of Year To	Required Co	ntributions	
Valuation	Which Valuation Applies	Amount	% of Payroll	Actual Contributions
10/1/1997 10/1/1998 10/1/1999 10/1/2000 10/1/2001 10/1/2002 10/1/2003 10/1/2004	9/30/1999 9/30/2000 9/30/2001 9/30/2002 9/30/2003 9/30/2004 9/30/2005 9/30/2006	\$ 143,000 38,284 233,992 294,492 185,352 839,114 882,965	N/A N/A N/A N/A N/A N/A	\$ 208,124 230,392 246,472 294,492 370,627 839,114 1,002,415
10/1/2004 10/1/2005 10/1/2006 10/1/2007	9/30/2006 9/30/2007 9/30/2008 9/30/2009	982,267 1,094,083 1,110,259 1,881,902	8.47 9.16 9.17 12.85	1,043,963 1,160,170 



### **ACTUARIAL ASSUMPTIONS AND COST METHOD**

A. Cost Method

1. Funding

Entry Age Actuarial Cost Method.

2. Accumulated Benefit Obligation

Accrued Benefit Method.

B. Investment Earnings (Including inflation)

8.0% per year, compounded annually, net of

investment related expenses.

C. Salary Increases (Including inflation)

See Table below.

D. Retirement Age

See Table below for rates.

E. Turnover Rates

See Table below.

F. Mortality Rates

RP-2000 Generational Mortality Tables for males and females; rates for disabled lives set forward five years.

G. Disability

1. Rates

See Table below.

2. Percent Service Connected

N/A

H. Asset Value

Recognize 20% of difference between market value of

assets and expected actuarial asset value.

I. Administrative Expenses

\$83,600 (prior year's expenses).

J. Increase in Covered Payroll

5% per year, not to exceed the actual average increase for the ten prior Plan Years (7.5% as of 10/1/2007).

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K. Post Retirement Benefit Increase

None.

L. Changes Since Last Valuation

- 1. The salary increase assumption was changed from 6% per year to a service based table.
- 2. The Turnover Rates were changed to a select table based on service and an ultimate table based on age.
- 3. The Retirement Rates were changed to a table based on eligibility.
- The Mortality Rates were changed from the 1983 Group Annuity Mortality Table to the RP-2000 Generational Mortality Table.
- 5. The Investment Return assumption was reduced to 8% from 8.5% per year.
- 6. The Asset Valuation method was changed to a method that recognizes 20% of the difference between the market value of assets and the expected actuarial asset value.

Rates of Sal	lary Increase
Service	Salary Increase
1 - 2 3 4 5 6 7 - 8 9 10 - 19 20 and higher	13.0% 10.5 9.5 9.0 8.5 8.0 7.5 7.0 6.0

Annual Rate of	Retirement
For each year eligible for early retirement	5%
For each of first and second years when normal retirement date is attained	25
For each of third and fourth years after normal retirement date	50
For fifth year after normal retirement date	60
For sixth year after normal retirement date	80
From seventh year after normal retirement date	100

Age	Service	Annual Rate of Turnover
All	0 1 2 3 4	20.0% 18.0 16.0 10.0 6.0
20 25 30 35 40 45 50 55+	5 and over	16.2% 13.2 10.8 9.4 7.8 5.8 3.2 0.8

Age	Annual Rate of Disability
20	0.05%
25	0.05
30	0.06
35	0.09
40	0.12
45	0.28
50	0.43

# **GLOSSARY OF TERMS**

<u>Actuarial Present Value</u> is the value of an amount or series of amounts payable at various times, determined as of the valuation date by the application of the set of actuarial assumptions.

<u>Actuarial Assumptions</u> are assumptions as to the occurrence of future events affecting pension costs. The previous page outlines the Actuarial Assumptions utilized in this valuation.

<u>Actuarial Cost Method</u> is a procedure for determining the Actuarial Present Value of pension plan benefits and for developing an actuarially equivalent allocation of such value to time periods, usually in the form of a Normal Cost and Actuarial Accrued Liability.

**Entry Age Actuarial Cost Method** is a method under which the current year's cost, or Normal Cost, is calculated for each individual. This Normal Cost is the amount, determined as a level percentage of pay, which, if deposited each year from the time an employee was first included in the actuarial valuation (or would have been had the plan been in effect) until retirement, would fully fund his or her benefit.

Entry Age Actuarial Accrued Liability at any given time is equal to the Actuarial Present Value of Projected Benefits minus the Actuarial Present Value of future Normal Costs. Under the Entry Age Actuarial Cost Method, experience gains (losses) reduce (increase) the Actuarial Accrued Liability. Increases or decreases in the Actuarial Accrued Liability will also occur as a result of changes in pension plan benefits, actuarial assumptions, or asset valuation methods.

**Unfunded Actuarial Accrued Liability** is the Actuarial Accrued Liability, less assets.

# SECTION C PENSION FUND INFORMATION

SUMMARY OF ASSETS				
	9/30/2007	9/30/2006		
Cash and Securites - Market Value				
Cash Money Market Funds Money Market Funds (DROP Account) U.S. Government Bonds & Notes Corporate Bonds Corporate Stocks Pooled Equity Funds Pooled Bond Funds International Equity Funds Total Investments	\$ 18 825,146 124,029 6,170,249 4,593,068 25,246,098 - - - 36,958,608	\$ - 1,095,052 69,093 4,799,707 5,052,589 21,990,082 - - - 33,006,523		
Receivables and Accruals	30,936,006	33,000,323		
Member Contribution Employer Contribution State Contributions Interest & Dividends Trades Receivable Due from Other Funds Total	- - - 148,230 - - 44 148,274	- - - 157,141 280,091 - - 437,232		
Payables and Reserves				
Benefits Refunds Expenses DROP Accounts Trades Payable Total	- - - 124,029 10,222 134,251	69,093 233,053 302,146		
Total Assets - Market Value	36,972,631	33,141,609		

# PENSION FUND INCOME AND DISBURSEMENTS

	Year Ending 9/30/2007	Year Ending 9/30/2006
Market Value at Beginning of Period	\$ 33,210,702	\$ 31,255,111
Income		
Contributions Member Contributions State Contributions Employer Contributions Member Buyback Total Contributions	637,592 - 1,160,170 - 1,797,762	583,629 - 1,043,963 - 1,627,592
Investment Income Dividends and Interest Net Realized Gain (Loss) Total Investment Income	1,033,012 3,284,662 4,317,674	910,284 1,706,883 2,617,167
Other Income	25,632	3,621
Total Income	6,141,068	4,248,380
Disbursements		
Monthly Benefit Payments Lump Sum Distributions Refund of Contributions Investment Related Expenses Other Administrative Expenses Other Expenses	1,828,952 - 132,639 209,919 83,600 	1,762,288 - 268,303 201,986 60,212
Total Disbursements	2,255,110	2,292,789
Net Increase During Period	3,885,958	1,955,591
Market Value at End of Period	37,096,660	33,210,702
Less: DROP Account Balance	124,029	69,093
Final Market Value	36,972,631	33,141,609

RECONCILIATION OF DROP ACCOUNTS				
Value at beginning of year	\$	69,093		
Payments credited to accounts		51,827		
Investment Earnings credited		3,109		
Withdrawals from accounts				
Value at end of year		124,029		

# **ACTUARIAL VALUE OF ASSETS - OLD METHOD**

Actuarial Assets for funding purposes are developed by increasing the Actuarial Assets used in the most recent actuarial valuation of the Fund by the average annual market value rate of return (net of investment related expenses) for the past four years. Details of the derivation are set forth as follows:

	Plan Year End	Rate of Return*
	9/30/2004 9/30/2005 9/30/2006 9/30/2007	8.29 % 7.67 7.78 12.41
	Annualized Rate of Return for prior 4 years	9.02 %
(A)	Actuarial Assets Last Year**	\$36,423,370
	Cash Flow During Year	(221,797)
(1)	Net Investment Income Realized = (A + 1/2 Cash Flow) x Annualized Rate of Return	3,275,385
(B)	Derived Assets This Year** = A + Cash Flow + I	39,476,958
	Less: DROP Account Balance	124,029
	Final Actuarial Value *** Final Actuarial Value Rate of	39,352,929
	Return	9.02 %
	Expected Investment Income	3,086,560
	Gain (Loss) Due to Investments	188,825

<sup>\*</sup> Market Value Basis, net of investment related expenses.

<sup>\*\*</sup> Before offset of DROP Account Balance.

<sup>\*\*\*</sup> Actuarial Value must be within 20% of Market Value.

# ACTUARIAL VALUE OF ASSETS - NEW METHOD

		Year Ending 9/30/2007	
Α.	Beginning of Year Assets *  1. Market Value  2. Actuarial Value	\$ 33,210,702 36,423,370	
B.	End of Year Market Value of Assets *	37,096,660	
C.	Net of Contributions Less Disbursements	(221,797)	
D.	Actual Net Investment Earnings	4,107,755	
E.	Expected Investment Earnings	3,086,560	
F.	Expected Actuarial Value End of Year	39,288,133	
G.	End of Year Market Value Less Expected Actuarial Value	(2,191,473)	
Н.	20% of Difference	(438,295)	
I.	End of Year Assets  1. Actuarial Value: F + H  2. Final Actuarial Value Within 80% to 120% of Market Value	38,849,838 38,849,838	
J.	DROP Account Balances	124,029	
к. L.	Final Actuarial Value of Assets Recognized Investment	38,725,809 2,648,265	
M.	Earnings: E + H  Recognized Rate of Return	7.29%	

<sup>\*</sup> Before offset of DROP Account balances.

# **INVESTMENT RATE OF RETURN**

The investment rate of return has been calculated on the following bases:

Basis 1 Interest, dividends, realized gains (losses) and unrealized appreciation (depreciation) divided by the weighted average of the market value of the fund during the year. This figure is normally called the Total Rate of Return.

Basis 2 Investment earnings recognized in the Actuarial Value of Assets divided by the weighted average of the Actuarial Value of Assets during the year.

	Investment R	Rate of Return
Year Ending	Basis 1	Basis 2
9/30/2001 9/30/2002 9/30/2003 9/30/2004 9/30/2005 9/30/2006 9/30/2007	(8.8) % (8.1) 10.2 8.3 7.7 7.8 12.4	N/A % 1.1 (0.7) 0.0 4.3 8.5 9.0
Average Compounded Rate of Return for Number of Years Shown	3.9 %	3.6 %
Average Compounded Rate of Return for Last 5 Years	9.3 %	4.1 %

# SECTION D FINANCIAL ACCOUNTING INFORMATION

FASB NO. 35 INFO	RMATION			
A. Valuation Date	October 1, 2007	October 1, 2006		
B. Actuarial Present Value of Accumulated     Plan Benefits				
Vested Benefits				
<ul><li>a. Members Currently Receiving Payments</li><li>b. Terminated Vested Members</li><li>c. Other Members</li><li>d. Total</li></ul>	\$ 17,967,350 1,319,666 16,191,966 35,478,982	\$ 15,793,947 1,171,246 14,614,601 31,579,794		
2. Non-Vested Benefits	2,763,097	2,133,209		
Total Actuarial Present Value of Accumulated     Plan Benefits: 1d + 2	38,242,079	33,713,003		
Accumulated Contributions of Active Members	3,820,017	3,289,258		
C. Changes in the Actuarial Present Value of Accumulated Plan Benefits				
1. Total Value at Beginning of Year	33,713,003	31,269,718		
Increase (Decrease) During the Period     Attributable to:				
<ul><li>a. Plan Amendment</li><li>b. Change in Actuarial Assumptions</li><li>c. Latest Member Data, Benefits Accumulated</li></ul>	113,733 1,307,327	N/A N/A		
and Decrease in the Discount Period d. Benefits Paid e. Net Increase	5,069,607 (1,961,591) 4,529,076	4,473,876 (2,030,591) 2,443,285		
3. Total Value at End of Period	38,242,079	33,713,003		
D. Market Value of Assets	36,972,631	33,141,609		
E. Actuarial Assumptions - See page entitled Actuarial Assumptions and Methods				

# SCHEDULE OF FUNDING PROGRESS (GASB STATEMENT NO. 25)

UAAL As % of Covered Payroll (b-a)/(c)	% -	?	ı	11.5	19.9	46.2	2.67	080	28.7	57.5
Covered Payroll (c)	\$ 8.157.116	9,193,524	9.591.309	10,426,400	11,296,820	10.945.911	11,268,057	11,422,183	13,724,918	13,816,182
Funded Ratio (a) / (b)	100.0 %	100.0	100.0	2.96	93.7	86.7	91.1	91.7	6.06	83.0
Unfunded AAL (UAAL) (b) - (a)	· ·	•	1	1,194,187	2,242,454	5,055,386	3,341,373	3,297,832	3,934,180	7,947,030
Actuarial Accrued Liability (AAL) - Entry Age (b)	\$ 31,732,256	34,951,081	35,556,224	35,660,591	35,355,596	38,021,615	37,338,981	39,652,109	43,287,109	46,672,839
Actuarial Value of Assets (a)	\$ 31,732,256	34,951,081	35,556,224	34,466,404	33,113,142	32,966,229	33,997,608	36,354,277	39,352,929	38,725,809
Actuarial Valuation Date	10/1/1999	10/1/2000	10/1/2001	10/1/2002	10/1/2003	10/1/2004	10/1/2005	10/1/2006	10/1/2007 (b)	10/1/2007 (a)

(a) = After Changes(b) = Before changes

Note: Figures prior to 10/1/2005 taken from 10/1/2004 Report prepared by Foster & Foster, Inc.

# SCHEDULE OF EMPLOYER CONTRIBUTIONS (GASB STATEMENT NO. 25)

Fiscal Year Ended	Annual Required Contribution	Actual Contribution	Percentage Contributed		
9/30/1999	\$ 143,000	\$ 208,124	146 %		
9/30/2000	38,284	230,392	602		
9/30/2001	233,992	246,472	105		
9/30/2002	294,492	294,492	100		
9/30/2003	185,352	370,627	200		
9/30/2004	839,114	839,114	100		
9/30/2005	882,965	1,002,415	114		
9/30/2006	982,267	1,043,963	106		
9/30/2007	1,094,083	1,160,170	106		

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

Employer FYE September 30	2008	2007	2006
Annual Required Contribution (ARC)	\$ 1,110,259	\$ 1,094,083	\$ 982,267
Interest on Net Pension Obligation (NPO)	(52,534)	(53,932)	(52,612)
Adjustment to ARC	(104,656)	(97,840)	(98,775)
Annual Pension Cost (APC)	1,162,381	1,137,991	1,028,430
Contributions made	**	1,160,170	1,043,963
Increase (decrease) in NPO	**	(22,179)	(15,533)
NPO at beginning of year	(656,671)	(634,492)	(618,959)
NPO at end of year	**	(656,671)	(634,492)

\*\* To be determined.

Fiscal	Annual Pension	Actual	Percentage of	Net Pension		
Year Ending	Cost (APC)	Contribution	APC Contributed	Obligation		
9/30/2005	\$ 920,693	\$ 1,002,415	108.9 %	\$ (618,959)		
9/30/2006	1,028,430	1,043,963	101.5	(634,492)		
9/30/2007	1,137,991	1,160,170	101.9	(656,671)		

# REQUIRED SUPPLEMENTARY INFORMATION GASB STATEMENT NO. 25 AND NO. 27

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:

Valuation Date October 1, 2007

Contribution Rates

Employer 12.85% Plan Members 5.00%

Actuarial Cost Method Entry Age Normal Cost Method

Amortization Method Level percent of pay, closed

Remaining Amortization Period 30 years

Asset Valuation Method Recognize 20% of difference

between market value and expected actuarial value of

assets.

**Actuarial Assumptions** 

Investment rate of return 8.0%

Projected salary increases 6% to 13% based on service

Includes inflation and other general increases at 3.0%

Cost-of-living adjustments Not applicable

# SECTION E MISCELLANEOUS INFORMATION

	RECONCILIATION OF MEMBERSHIP DATA							
		From 10/1/06 To 10/1/07	From 10/1/05 To 10/1/06					
A.	Active Members							
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	New Members Included in Current Valuation Non-Vested Employment Terminations Vested Employment Terminations Service Retirements Disability Retirements Deaths Rehired Members DROP Retirement Transfers	269 62 (18) (1) (8) 0 (1) 0 (1) 0 (1) 0	286 42 (35) (12) (10) 0 0 0 (2) 0 269					
B.	Terminated Vested Members							
11	Number Included in Last Valuation Additions from Active Members Lump Sum Payments/Refunds Payments Commenced Deaths Other - Rehired Number Included in This Valuation	22 1 0 (2) 0 0 21	13 12 (3) 0 0 0					
C.	DROP Participation							
	Number Included in Last Valuation Additions from Active Members Payments commenced Deaths Other Number Included in This Valuation	1 0 0 0 0 0	1 0 0 0 0 0					
D.	Service Retirees, Disability Retirees and Bene	ficiaries						
2. 3. 4. 5. 6. 7. 8.	Number Included in Last Valuation Additions from Active Members Additions from Terminated Vested Members Additions from DROP Deaths Resulting in No Further Payments Deaths Resulting in New Survivor Benefits End of Certain Period - No Further Payments Other Number Included in This Valuation	185 8 2 0 (5) 0 (2) 0 188	178 10 0 0 (2) 0 (1) 0 185					

# **ACTIVE PARTICIPANT SCATTER**

					Years	of Service	to Valuation	n Date					
Age Group	0-1	1-2	2-3	3-4	4-5	5-9	10-14	15-19	20-24	25-29	30-34	35 & Up	Totals
20-24 NO.	3	3 4	. 1	0		0	) 0	0	0	0	0	0	8
TOT PAY	81,364	138,256	34,145	0	0	0	0	0	0	0	0	0	253,765
AVG PAY	27,121	34,564	34,145	0	0	0	0	0	0	0	0	0	31,721
25-29 NO.	2	. 5	5	1	0	3	0	0	0	0	0	0	16
TOT PAY	57,170	191,460	198,971	48,653	0	100,482	. 0	0	0	0	0	0	596,736
AVG PAY	28,585	38,292	39,794	48,653	0	33,494	0	0	0	0	0	0	37,296
30-34 NO.	3	1	3	0	0	7	1	0	0	0	0	0	15
TOT PAY	91,086	52,552	113,221	0	0	235,672	56,261	0	0	0	0	0	548,792
AVG PAY	30,362	52,552	37,740	0	0	33,667	56,261	0	0	0	0	0	36,586
35-39 NO.	6			0	1		_		0	0	0	0	21
TOT PAY	204,645		42,224	0	32,143		100		0	0	0	0	849,325
AVG PAY	34,108	47,077	42,224	0	32,143	42,567	44,408	40,452	0	0	0	0	40,444
40-44 NO.	6	5	2	1	0	-	12	0	1	0	0	0	35
TOT PAY	199,805	152,655	74,533	25,748	0		577,058	0	57,565	0	0	0	1,456,500
AVG PAY	33,301	30,531	37,267	25,748	0	46,142	48,088	0	57,565	0	0	0	41,614
45-49 NO.	6	8	4	0	4	11	9	10	4	4	0	0	60
TOT PAY	227,446	244,333	123,262	0	150,105	457,197	517,018	489,803	257,891	196,062	0	0	2,663,117
AVG PAY	37,908	30,542	30,816	0	37,526	41,563	57,446	48,980	64,473	49,016	0	0	44,385
50-54 NO.	8	5	2	5	0	18	7	7	5	2	3	0	62
TOT PAY	302,669	157,995	76,151	199,954	0	821,072	300,762	378,611	256,839	112,666	177,448	0	2,784,167
AVG PAY	37,834	31,599	38,076	39,991	0	45,615	42,966	54,087	51,368	56,333	59,149	0	44,906
55-59 NO.	5	1	7	3	1	9	5	7	2	1	2	1	44
TOT PAY	201,567	40,676	288,166	109,424	27,037	442,409	203,219	327,054	131,904	45,895	149,288	53,458	2,020,097
AVG PAY	40,313	40,676	41,167	36,475	27,037	49,157	40,644	46,722	65,952	45,895	74,644	53,458	45,911
60-64 NO.	2	3	1	2	0	8	5	5	2	2	0	1	31
TOT PAY	54,199	133,701	39,853	115,570	0	329,937	255,567	244,623	89,676	145,926	0	64,481	1,473,533
AVG PAY	27,100	44,567	39,853	57,785	0	41,242	51,113	48,925	44,838	72,963	0	64,481	47,533
65 & Up NO.	0	1	0	2	0	3	3	1	0	0	0	0	10
TOT PAY	0	25,749	0	65,143	0	95,739	222,758	69,070	0	0	0	0	478,459
AVG PAY	0	25,749	0	32,572	0	31,913	74,253	69,070	0	0	0	0	47,846
TOT NO.	41	36	26	14	6	73	45	31	14	9	5	2	302
TOT AMT	1,419,951	1,278,609	990,526	564,492	209,285	3,107,048	2,265,868	1,549,613	793,875	500,549	326,736	117,939	13,124,491
AVG AMT	34,633	35,517	38,097	40,321	34,880	42,562	50,353	49,988	56,705	55,617	65,347	58,970	43,459

# **INACTIVE PARTICIPANT SCATTER**

	Term	inated			T		Deceas	sed with		
	Ve	sted	Dis	sabled	R	etired	Bene	Beneficiary		
		Total		Total		Total		Total		
Age Group	Number	Benefits	Number	Benefits	Number	Benefits	Number	Benefits		
Under 20	-	-	-	-	-	-	-	-		
20-24	-	-	-	-	-	-	-	-		
25-29	-	-	-	-	-	-	-	-		
30-34	-	-	-	-	-	-	-	-		
35-39	1	8,344	-	-	-	-	-	-		
40-44	3	33,887								
45-49	1	17,905	-	-	_	-	-	-		
50-54	10	93,227	-	-	1	- 18,437	-	-		
55-59	6	50,490	1	10,171	16	227,351	-	-		
00-00	O	30,430	ļ	10,171	10	227,331	-	-		
60-64	-	-	-	-	36	507,873	1	11,848		
65-69	-	-	-	-	47	541,859	1	2,969		
70-74	-	-	-	-	35	364,799	2	10,989		
75-79	-	-	-	-	23	158,189	4	20,247		
80-84	_	_	_	_	13	59,314	1	13,717		
85-89	_	_	_	_	5	9,182	'	10,717		
90-94	_	-	_	_	2	600	_	_		
95-99	_	_	-	_	-	-	_	_		
100 & Over	-	-	-	-	1	300	-	-		
Total	21	203,853	1	10,171	179	1,887,904	9	59,770		
Average Age		52		58		70		74		

# SECTION F SUMMARY OF PLAN PROVISIONS

### **SUMMARY OF PLAN PROVISIONS**

# **Eligibility**

Each regular full-time general employee becomes a member following six months of service. Those hired before March 1, 1995 became members at date of hire.

# Compensation

Base compensation including holiday pay, vacation pay, longevity pay and sick pay, but excluding overtime and all other compensation.

# Final Average Compensation (FAC)

The average of Compensation over the best three consecutive years of credited service; lump sum payment for unused vacation pay and sick leave is not included.

# **Normal Retirement**

Eligibility

Earlier of age 60 and five years of credited service or when the total of age

plus service equals 85 years.

**Benefit** 

2.5% of FAC multiplied by years of credited service up to a maximum of 100%

of FAC.

Form of Benefit

Single life annuity; other options are also available.

### **Early Retirement**

Eligibility

Age 55 with five years of credited service.

Benefit

Accrued benefit reduced by 0.25% for each month by which the Early

Retirement Date precedes age 60.

# **Deferred Retirement Option Plan (DROP)**

Non-union members who had 30 years of service in June, 2005 but who continue in employment past normal retirement date may either accrue larger pensions or freeze their accrued benefit and enter the DROP. Each participant in the DROP has an account credited with benefits not received and investment earnings.

# **Death Benefits (Pre-Retirement)**

Refund of employee's accumulated contributions plus the amount the City had contributed, for members who have completed at least five years and six months of credited service at the time of death.



# **Termination Benefits**

For an employee who has less than five years of participation when he terminates employment, a refund of his accumulated contributions is paid. If the employee has five to ten years of participation but is under age 50, there will be a refund of the employee's contributions plus the amount the City had contributed. If the employee has at least ten years of participation or is age 50 with five years of participation when he terminates employment, he will be vested in his accrued benefit beginning at age 60. The vested benefit may begin at age 55 or later after a reduction of 0.25% for each month prior to age 60.

# **Contributions**

**From Employees** 5% of compensation.

From the Employer The additional amount needed to fund the plan properly.

# **Changes Since Last Valuation**

There have been no changes in benefits since the May 15, 2007 Supplemental Valuation Report which showed the actuarial impact of providing an additional death benefit of the employer contributions made to the Plan on the member's behalf, for members who have completed at least five years and six months of credited service at the time of death.