

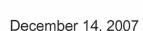
# CITY OF NAPLES POLICE OFFICERS' RETIREMENT SYSTEM

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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Board of Trustees Police Officers' 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

Stephen Palmquist, ASA, MAAA, FCA

Enrolled Actuary No. 05-1560

By: MUSIC R. Moskovitz

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 costs have not been established or otherwise taken into account in the valuation. All known events or trends which may require a material increase in plan costs or required contribution rates have been taken into account in the valuation.

Stephen Palment

/2-/4-07 Date

05-1560

**Enrollment Number** 

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# SECTION A DISCUSSION OF VALUATION RESULTS

### **DISCUSSION OF VALUATION RESULTS**

### **Comparison of Required Employer Contributions**

A comparison of the required contributions developed in this valuation and the previous valuation is as follows:

	For FYE 9/30/09 Based on 10/1/07 Valuation	For FYE 9/30/08 Based on 10/1/06 Valuation	Increase (Decrease)	
Total Required Contribution As % of Covered Payroll	\$ 2,012,426	\$ 1,712,216	\$ 300,210	
	42.33 %	38.11 %	4.22 %	
Estimated Employee Contribution As % of Covered Payroll	237,707	224,641	13,066	
	5.00	5.00	0.00	
Required Employer/State Contribution As % of Covered Payroll	1,774,719	1,487,575	287,144	
	37.33	33.11	4.22	
Estimated State Contribution As % of Covered Payroll	662,446	662,446	0	
	13.93	14.74	(0.81)	
City Incentive Contribution As % of Covered Payroll	40,356	118,529	(78,173)	
	0.85	2.64	(1.79)	
Required Employer Contribution As % of Covered Payroll	1,071,917	706,600	365,317	
	22.55	15.73	6.82	

The contribution developed in this valuation has been calculated as though payment would be made evenly throughout the year. Further, the required Employer contribution has been computed with the assumption that the amount to be received from the State in 2009 will be equal to the adjusted base year revenue of \$662,446. If the actual payment from the State falls below this amount, then the City must increase its contribution by the difference.

The actual Employer and State contributions for the year ending September 30, 2007 were \$703,888 and \$740,323, respectively. Adding the Employer contribution and baseline Chapter 185 revenue of \$662,446, the total is \$1,366,334. The total minimum required payment was \$1,333,101.



### **Revisions in Benefits**

There were no revisions in benefits since the last valuation.

### Revisions in Actuarial Assumptions or Methods

This valuation reflects the following revisions in actuarial assumptions and methods as adopted by the Board:

- The salary increase assumption was changed from 6% per year to a service-based table.
- The assumed rate of inflation changed to 3% from 3.5%.
- The turnover rates were changed to a select table based on service and an ultimate table based on age.
- 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.
- As of October 1, 2007, the Actuarial Value of Assets was set equal to Market Value of Assets. For future valuations, 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 \$1,273,522 which means that actual experience was less favorable than expected. The gain due to investment earnings above the assumed rate of 8% is more than offset by losses due to greater than expected salary increases and more than expected service retirements. The net loss has increased the required employer contribution by 1.44% of covered payroll.

### **Funded Ratio**

The funded ratio this year is 70.0% compared to 69.5% last year. This year's ratio was 68.6% before the changes in assumptions and the asset valuation method. The funded 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 net required employer contribution are as follows:

Contribution Rate Last Year	15.73	%
Actuarial Experience	1.44	
Change in Actuarial Assumptions/Methods	2.47	
Amortization Payment on UAAL	0.07	
Change in Normal Cost Rate	0.16	
Change in Administrative Expense	0.19	
Change in Incentive Contribution	1.78	
Change in State Revenue	0.71	
Contribution Rate This Year	22.55	

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

#### **CHAPTER REVENUE**

Increments in Chapter revenue over that received in 1998 must first be used to fund the cost of compliance with minimum benefits. Once minimums are met, any subsequent additional Chapter revenue must be used to provide extra benefits.

As of the valuation date, all minimum benefit requirements have been met. Thus, any additional revenue must be used to provide extra benefits.

Actuarial Confirmation of the Use of State Chapter Money			
Base Amount Previous Plan Year	\$ 662,446		
Amount Received for Previous Plan Year	740,323		
Benefit Improvements Made in Previous Plan Year			
4. Excess Funds for Previous Plan Year: (2) - (1) - (3)	77,877		
5. Accumulated Excess at Beginning of Previous Year			
6. Prior Excess Used in Previous Plan Year	0		
7. Accumulated Excess as of Valuation Date (Available for Benefit Improvements): (4) + (5) - (6)	493,440		
8. Base Amount This Plan Year: (1) + (3)	662,446		

The Accumulated Excess shown in line 7 is being held in reserve to pay for additional benefits. The reserve is subtracted from Plan assets (see Section C of this Report). The Base Amount in line 8 is the amount the employer may take as a credit against its required contribution.

# SECTION B VALUATION RESULTS

PARTICIPANT DATA						
	October 1, 2007		Oc	October 1, 2007		tober 1, 2006
	Ai	fter Changes	Be	fore Changes		
ACTIVE MEMBERS					ACCESS NO. 104. 104. 104. 104.	
Number Covered Annual Payroll Average Annual Payroll Average Age Average Past Service Average Age at Hire	\$ \$	70 4,485,034 64,072 38.5 9.9 28.6	\$	70 4,451,733 63,596 38.5 9.9 28.6	\$	71 4,238,516 59,697 38.9 10.0 28.9
RETIREES & BENEFICIARIES						
Number Annual Benefits Average Annual Benefit Average Age	\$	40 1,425,646 35,641 57.6	\$	40 1,425,646 35,641 57.6	\$	34 1,097,038 32,266 57.8
DISABILITY RETIREES						
Number Annual Benefits Average Annual Benefit Average Age	\$	0 0 0 0.0	\$	0 0 0 0.0	\$	0 0 0 0.0
TERMINATED VESTED MEMBERS						
Number Annual Benefits Average Annual Benefit Average Age	\$	16 183,015 11,438 42.6	\$	16 183,015 11,438 42.6	\$	19 263,242 13,855 41.6

ANNUAL REQUIRED CONTRIBUTION (ARC)					
A. Valuation Date	October 1, 2007  After Assumption  October 1, 2007  Before Assumption		October 1, 2006		
B. ARC to Be Paid During Fiscal Year Ending	and Method Changes 9/30/2009	and Method Changes 9/30/2009	9/30/2008		
C. Assumed Dates of Employer Contributions	Evenly Evenly		Evenly		
D. Annual Payment to Amortize Unfunded Actuarial Liability	\$ 629,113	\$ 624,604	\$ 532,731		
E. Employer Normal Cost	980,822	872,326	816,569		
F. ARC if Paid on the Valuation Date: D + E	1,609,935	1,496,930	1,349,300		
G. ARC Adjusted for Frequency of Payments	1,674,332	1,556,807	1,403,272		
H. ARC as % of Covered Payroll	37.33 %	34.97 %	33.11 %		
Assumed Rate of Increase in Covered     Payroll to Contribution Year	6.00 %	6.00 %	6.00 %		
J. Covered Payroll for Contribution Year	4,754,136	4,718,837	4,492,827		
K. ARC for Contribution Year: H x J	1,774,719	1,650,177	1,487,575		
L. Estimate of State Revenue in Contribution Year	662,446	662,446	662,446		
M. Incentive Contribution	40,356	40,356	118,529		
N. Required Employer Contribution (REC) in Contribution Year	1,071,917	947,375	706,600		
O. REC as % of Covered Payroll in Contribution Year: N ÷ J	22.55 %	20.08 %	15.73 %		

	ACTUARIAL VALUE OF BENEFITS AND ASSETS					
A. Valuation Date		uation Date	October 1, 2007  After Assumption and Method Changes	October 1, 2007  Before Assumption and Method Changes	October 1, 2006	
В		uarial Present Value of All Projected nefits for Active Members	and Method Orlanges	and Method Changes		
		<ul> <li>a. Service Retirement Benefits</li> <li>b. Vesting Benefits</li> <li>c. Disability Benefits</li> <li>d. Preretirement Death Benefits</li> <li>e. Return of Member Contributions</li> <li>f. Total</li> </ul>	\$ 25,807,781 1,440,637 1,094,164 212,946 46,849 28,602,377	\$ 23,368,913 1,227,914 719,012 250,232 28,315 25,594,386	\$ 22,627,158 1,019,374 664,898 236,423 23,831 24,571,684	
	2.	Inactive Members a. Service Retirees & Beneficiaries b. Disability Retirees c. Terminated Vested Members d. Total	17,260,859 - <u>1,263,660</u> 18,524,519	16,709,698 - <u>1,195,523</u> 17,905,221	12,723,681 - <u>1,557,437</u> 14,281,118	
	3.	Total for All Members	47,126,896	43,499,607	38,852,802	
C.		arial Accrued (Past Service) ility per GASB No. 25	38,411,488	36,408,663	32,420,377	
D.		arial Value of Accumulated Plan efits per FASB No. 35	31,662,628	31,076,732	27,437,811	
E.	Plan 1. 2.	Assets Market Value Actuarial Value	26,886,268 26,886,268	26,886,268 24,976,046	23,598,381 22,535,093	
F.	Unfu	inded Accrued Liability: C - E2	11,525,220	11,432,617	9,885,284	
G.		arial Present Value of Projected ered Payroll	33,810,230	30,490,227	27,975,495	
H.		arial Present Value of Projected ber Contributions	1,690,512	1,524,512	1,398,775	

CALCULATION OF EMPLOYER NORMAL COST					
A. Valuation Date	October 1, 2007 After Assumption and Method Changes	October 1, 2007 Before Assumption and Method Changes	October 1, 2006		
B. Normal Cost for	and Method Changes	and wethou changes			
<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>	\$ 902,631 153,946 75,399 9,437 17,370 1,158,783 46,291 1,205,074	\$ 825,543 137,345 61,211 13,173 11,350 1,048,622 46,291 1,094,913	\$ 796,001 114,951 57,858 12,790 10,422 992,022 36,473 1,028,495		
C. Expected Member Contribution	224,252	222,587	211,926		
D. Employer Normal Cost: B8-C	980,822	872,326	816,569		
E. Employer Normal Cost as a % of Covered Payroll	21.87%	19.60%	19.27%		

## LIQUIDATION OF THE UNFUNDED ACTUARIAL ACCRUED LIABILITY

	Original UAAL		Current UAAL	-	
			Years		
Date	Source	Amount	Remaining	Amount	Payment
10/1/1997	NI/A	C N/A	00	<b>*</b> 4 400 004	. 70.070
	N/A	\$ N/A	20	\$ 1,192,091	\$ 76,876
10/1/1999	N/A	N/A	22	1,751,591	105,331
10/1/2000	N/A	N/A	23	(789,306)	(45,977)
10/1/2002	N/A	N/A	25	3,146,265	172,880
10/1/2003	N/A	N/A	26	1,713,788	91,678
10/1/2004	Exp. Loss	1,702,164	27	1,916,349	99,943
10/1/2004	Amendment	(5,944)	27	(6,692)	(349)
10/1/2005	Exp. Gain	(205,398)	28	(223,889)	(11,399)
10/1/2005	Assump. Change	810,614	28	883,587	44,985
10/1/2006	Exp. Gain	(333,423)	29	(344,542)	(17,145)
10/1/2006	Assump. Change	890,168	29	919,853	45,773
10/1/2007	Exp. Loss	1,273,522	30	1,273,522	62,008
10/1/2007	Assump./Method Change	92,603	30	92,603	4,509
				11,525,220	629,113

## 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	\$ 11,525,220					
2008	11,767,764					
2009	11,995,771					
2010	12,206,348					
2011	12,396,317					
2012	12,562,156					
2017	12,877,859					
2022	11,800,060					
2027	8,248,815					
2032	2,744,733					
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 has been computed as follows:

1.	Last Year's UAAL	\$ 9,885,284
2.	Last Year's Employer Normal Cost	816,569
3.	Last Year's Contributions a. Employer b. State c. a + b	703,888 662,446 1,366,334
4.	Interest at the Assumed Rate on: a. 1 and 2 for one year b. 3 from dates paid c. a - b	856,148 32,572 823,576
5.	This Year's Expected UAAL 1 + 2 - 3c + 4c	10,159,095
6.	This Year's Actual UAAL (before any changes in Benefits, Assumptions or Methods)	11,432,617
7.	Net Actuarial Gain (Loss): 5 - 6	(1,273,522)
8.	Gain (Loss) Due to Investments	167,030
9.	Gain (Loss) from Other Sources	(1,440,552)
10.	This Year's Actual UAAL (after changes in Benefits, Assumptions or Methods)	11,525,220
11.	Change in UAAL Due to Change in Assumptions and Methods: 10 - 6	92,603

<sup>\*</sup> Frozen amount.

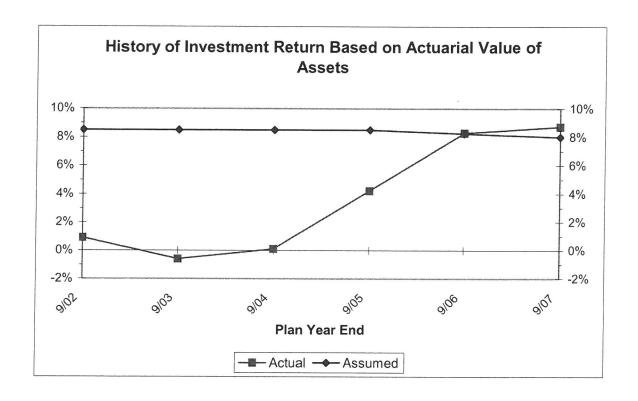
Net actuarial gains in previous years have been as follows:

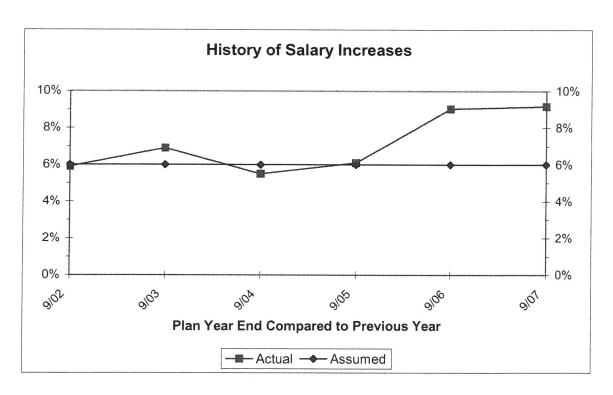
Year Ended	Gain (Loss)
9/30/2004	\$ 1,702,164
9/30/2005	205,398
9/30/2006	333,423
9/30/2007	(1,273,522)

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 In	creases
Year Ending	Actual	Assumed	Actual	Assumed
9/30/2002	0.9 %	8.50 %	5.9 %	6.0 %
9/30/2003	(0.6)	8.50	6.9	6.0
9/30/2004	0.1	8.50	5.5	6.0
9/30/2005	4.2	8.50	6.1	6.0
9/30/2006	8.3	8.25	9.0	6.0
9/30/2007	8.7	8.00	9.2	6.0
Averages	3.5 %		7.1 %	

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.



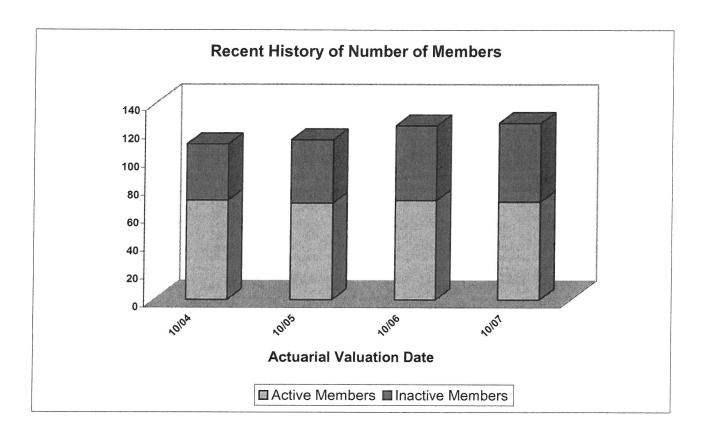


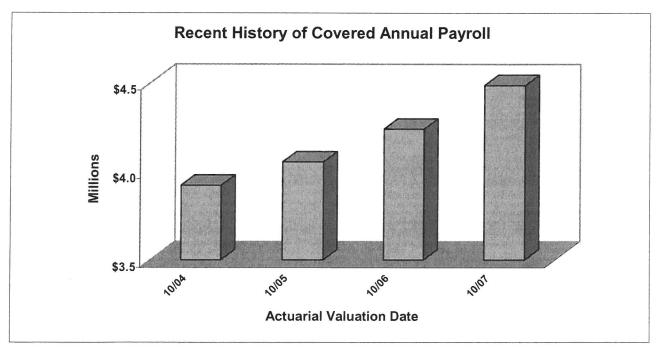
# Actual (A) Compared to Expected (E) Decrements Among Active Employees

Year Ended	Add Dur			vice ement	Disal Retire	_	De A	ath E	Te Vested A	erminat Other		tals	Active Members End of Year
9/30/2006 9/30/2007 9/30/2008 2 Yr Totals *	12 6	10 7	4 5 9	1 1 2 2	0 0	0 0 0	0 0	0 0 0	4 0	2 2	6 2 8	3 3 5	71 70

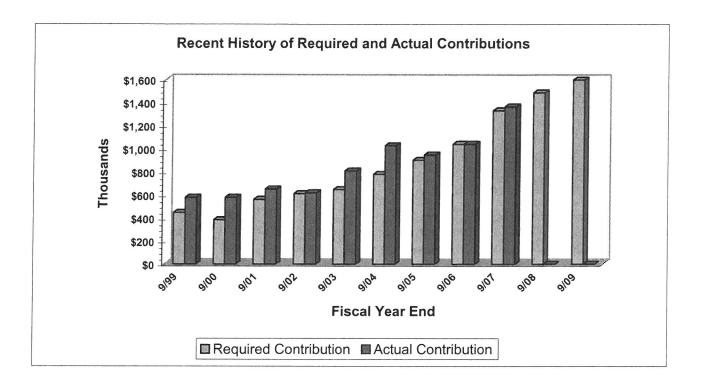
<sup>\*</sup> Totals are through current Plan Year only.

	Employer Normal Cost			Amount % of Payroll	\$ 558 793	727 049	816.569	000,010
SULTS				UFAAL	\$ 8,010,611	8.871,645	9,885,284	11.525,220
RECENT HISTORY OF VALUATION RESULTS			Sovered Annual   Actuarial Value of	Assets	\$ 19,586,438	20,543,328	22,535,093	26,886,268
RECENT HISTORY			Covered Annual	Payroll	\$ 3,919,246	4,051,684	4,238,516	4,485,034
	Number of	;	Inactive	Member	40	45	53	26
	N		Active	Members	7.1	69	71	20
				Valuation Date   Members	10/1/2004	10/1/2005	10/1/2006	10/1/2007





		œ	RECENT HIS	STORY OF RE	QUIRED A	ISTORY OF REQUIRED AND ACTUAL CONTRIBUTIONS	NTRIBUTIC	SNC			
	End of					Required Contributions	utions				
	Year To	Employer & State	& State	Estimated State	d State	Net Employer	oyer	Ac	Actual Contributions	tions	
	Valuation		% of		% of		% of				
Valuation	Applies	Amount	Payroll	Amount	Payroll	Amount	Payroll	Employer	State		Total
10/1/1997	9/30/1999	\$ 449.178	ν V V	A/N	A/N	A/N	Ø/N	\$ 78 173	\$ 500 070	6	670 460
10/1/1998	9/30/2000	384,643	N/A	A/N	N/A	Z Z	X X				579,132
10/1/1999	9/30/2001	562,516	N/A	A/N	N/A	N/A	N/A	150,362	500,979		651.341
10/1/2000	9/30/2002	611,467	N/A	A/N	N/A	N/A	N/A	118,529	500,979		619,508
10/1/2001	9/30/2003	648,155	N/A	N/A	N/A	A/N	A/N	147,176	662,446		809,622
10/1/2002	9/30/2004	780,656	N/A	N/A	N/A	A/N	N/A	365,900	662.446	7	1.028.346
10/1/2003	9/30/2005	902,963	21.98 %	\$ 662,446	16.13 %	\$ 240,516	5.85 %	285,786	662,446		948,232
10/1/2004	9/30/2006	1,041,843	25.08	662,446	15.95	379,397	9.13	379,397	662,446		1.041.843
10/1/2005	9/30/2007	1,333,101	31.04	662,446	15.42	670,655	15.62	703,888	662,446		1.366.334
10/1/2006	9/30/2008	1,487,575	33.11	662,446	14.74	825,129	18.37	-	1		-
10/1/2007	9/30/2009	1,774,719	37.33	662,446	13.93	1,112,273	23.40	ļ	-		l



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

A. Cost Method

1. Funding

2. Accumulated Benefit Obligation

Entry Age Normal Actuarial Cost Method. Accrued Benefit Method.

B. Investment Earnings (Including inflation)

8% per year, compounded annually, net of investment related expenses.

C. Salary Increases (Including inflation) See Table on next page.

D. Inflation

3% per year.

E. Retirement Age

See Table on next page for rates.

F. Turnover Rates

See Table on next page.

G. Mortality Rates

RP-2000 Generational Mortality Table for males and females; rates for disabled lives

set forward five years.

H. Disability

1. Rates

2. Percent Service Connected

See Table on next page.

75%

I. Asset Value

Fresh start to Market Value this year. Future valuations will use method that recognizes 20% of difference between market value of assets and expected actuarial asset value.

J. Administrative Expenses

Average of actual expenses over most

recent two years.

K. Increase in Covered Payroll

5% per year.

Post Retirement Benefit Increase

3% per year from age 55 to age 62.

M. Changes Since Last Valuation

The salary increase assumption was changed from 6% per year to a service-based

The assumed rate of inflation changed to 3% from 3.5%.

The turnover rates were changed to a select table based on service and an ultimate table based on age.

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.

As of October 1, 2007, the Actuarial Value of Assets was set equal to Market Value of Assets. For future valuations, 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 - 9 10 - 14 15 - 19 20 and higher	13.0% 9.0 7.5 7.0 6.5

Annual Rate of	Retirement
For each year eligible for early retirement	5%
For year when normal retirement date is attained	30
For each of four years after normal retirement date	30
For fifth year after normal retirement date	100
Members with 25 years of service	100

Age	Annual Rate of Disability
20	0.14%
25	0.15
30	0.18
35	0.23
40	0.30
45	0.51
50	1.00

Age	Service	Annual Rate of Turnover
All	0 1 2 3 4	20.0% 16.0 14.0 12.0 10.0
20 25 30 35 40 45+	5 and over	10.0% 10.0 8.8 6.8 4.8 3.2

#### **GLOSSARY OF TERMS**

Actuarial Present Value 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.

<u>Unfunded Actuarial Accrued Liability</u> is the Actuarial Accrued Liability, less assets.

# SECTION C PENSION FUND INFORMATION

SUMMARY	OF ASSETS	
	9/30/2007	9/30/2006
Cash and Securities - Market Value		
Cash Money Market Funds U. S. Government Bonds & Notes Corporate Bonds Common Stocks Pooled Equity Funds Pooled Bond Funds Total	\$ 309 1,222,375 5,178,233 3,645,823 17,220,295 - - 27,267,035	\$ - 1,534,895 3,842,873 3,960,554 14,525,785 
Receivables and Accruals		
Member Contribution Employer Contribution State Contributions Interest and Dividends Trades Receivable Total	- - - 122,895 - 122,895	2,899 - 123,150 205,560 331,609
Payables and Reserves		
State Contribution Reserve Benefits Refunds Expenses Trades Payable Total	493,440 - - - 10,222 503,662	415,563 - - - - 181,772 597,335
Net Assets - Market Value	26,886,268	23,598,381

PENSION FUND INCOME AND DISBURSEMENTS					
	Year Ending 9/30/2007	Year Ending 9/30/2006			
Market Value at Beginning of Period	\$ 24,013,944	\$ 22,011,910			
Income					
Contributions  Member Contributions  State Contributions  Employer Contributions  Member Buyback  Total Contributions	235,840 740,323 703,888 1,463 1,681,514	219,928 773,954 379,397 5,575 1,378,854			
Investment Income Dividends and Interest Realized Gain (Loss) Unrealized Gain (Loss) Total Investment Income	773,891 1,160,653 1,080,703 3,015,247	657,856 1,053,923 66,797 1,778,576			
Other Income	18,921	6,853			
Total Income	4,715,682	3,164,283			
Disbursements					
Monthly Benefit Payments Refunds of Contributions Investment Related Expenses Other Administrative Expenses Other Expenses Total Disbursements	1,143,379 8,239 145,394 52,906 ————————————————————————————————————	968,783 17,150 136,641 39,675 ————————————————————————————————————			
Net Increase During Period	3,365,764	2,002,034			
Market Value at End of Period	27,379,708	24,013,944			
Less: State Contribution Reserve	493,440	415,563			
Final Market Value	26,886,268	23,598,381			

### **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	7.91 % 7.79 7.40 11.83
	Annualized Rate of Return for Prior 4 Years	8.72 %
(A)	10/1/06 Actuarial Assets**	\$22,950,656
	10/1/06-9/30/07 Cash Flow	495,911
(1)	Net Investment Income Realized = (A + 1/2 Cash Flow) x Annualized Rate of Return	2,022,919
(B)	10/1/07 Derived Assets** = A + Cash Flow + I	25,469,486
	Less: State Contribution Reserve	493,440
	Final Actuarial Value *** Final Actuarial Value Rate of	24,976,046
	Return	8.72 %
	Expected Investment Income	1,855,889
	Gain (Loss) Due to Investments	167,030

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

<sup>\*\*</sup> Before offset of State Contribution Reserve.

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

### **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	(8.4) % (7.8) 10.1 7.9 7.8 7.4 11.8	N/A 0.9 % (0.6) 0.1 4.2 8.3 8.7
Average Compounded Rate of Return for Number of Years Shown	3.8 %	3.5 %
Average Compounded Rate of Return for Last 5 Years	9.0 %	4.1 %

# SECTION D FINANCIAL ACCOUNTING INFORMATION

FASB NO. 35 INFOR	MATION		
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>	\$ 17,260,859 1,263,660 12,765,145 31,289,664	\$ 12,723,681 1,557,437 12,771,680 27,052,798	
2. Non-Vested Benefits	372,964	385,013	
Total Actuarial Present Value of Accumulated     Plan Benefits: 1d + 2	31,662,628	27,437,811	
4. Accumulated Contributions of Active Members	1,693,920	1,607,984	
C. Changes in the Actuarial Present Value of Accumulated Plan Benefits			
Total Value at Beginning of Year	27,437,811	24,043,965	
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>	N/A 585,896	N/A 758,239	
and Decrease in the Discount Period d. Benefits Paid e. Net Increase	4,790,539 (1,151,618) 4,224,817	3,621,540 (985,933) 3,393,846	
3. Total Value at End of Period	31,662,628	27,437,811	
D. Market Value of Assets	26,886,268	23,598,381	
E. Actuarial Assumptions - See page entitled     Actuarial Assumptions and Methods			

SCHEDULE OF FUNDING PROGRESS (GASB Statement No. 25)

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) - Entry Age (b)	Unfunded AAL (UAAL) (b) - (a)	Funded Ratio (a) / (b)	Covered Payroll (c)	UAAL As % of Covered Payroll (b - a) / c
10/1/1999	\$ 14,964,660	\$ 16,592,736	\$ 1,628,076	90.2 %	\$ 2,761,424	29.0 %
10/1/2000	17,074,228	19,407,385	2,333,157	88.0	3,092,954	75.4
10/1/2001	17,984,005	20,180,729	2,196,724	89.1	3,086,095	71.2
10/1/2002	18,414,275	23,343,979	4,929,704	78.9	3,178,326	155.1
10/1/2003	18,765,584	25,203,116	6,437,532	74.5	3,876,041	166.1
10/1/2004	19,586,438	27,602,993	8,016,555	71.0	3,919.246	204.5
10/1/2005	20,543,328	29,414,973	8,871,645	69.8	4,051,684	219.0
10/1/2006	22,535,093	32,420,377	9,885,284	69.5	4,238,516	233.2
10/1/2007 (b)	24,976,046	36,408,663	11,432,617	9.89	4,451,733	256.8
10/1/2007 (a)	26,886,268	38,411,488	11,525,220	70.0	4,485,034	257.0

(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 AND STATE CONTRIBUTIONS (GASB Statement No. 25)

Year Ended	Annual Required Contribution	City Contribution	State Contribution	Percentage Contributed	
9/30/1999 9/30/2000 9/30/2001 9/30/2002 9/30/2003 9/30/2004 9/30/2005 9/30/2006 9/30/2007	\$ 449,178 384,643 562,516 611,467 648,155 780,656 902,963 1,041,843 1,333,101	\$ 78,173 78,173 150,362 118,529 147,176 365,900 285,786 379,397 703,888	\$ 500,979 500,979 500,979 500,979 * 662,446 * 662,446 * 662,446 * 662,446 *	128.9 % 150.6 115.8 101.3 124.9 131.7 105.0 100.0 102.5	

<sup>\*</sup> Baseline amount per Chapter 185, F.S.

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

Employer FYE September 30	2008	2007	2006
Annual Required Contribution (ARC) *	\$ 1,487,575	\$ 1,333,101	\$ 1,041,843
Interest on Net Pension Obligation (NPO)	(44,229)	(44,842)	(50,533)
Adjustment to ARC	(83,764)	(85,736)	(102,526)
Annual Pension Cost (APC)	1,527,110	1,373,995	1,093,836
Contributions made	**	1,366,334	1,041,843
Increase (decrease) in NPO	**	7,661	51,993
NPO at beginning of year	(552,866)	(560,527)	(612,520)
NPO at end of year	**	(552,866)	(560,527)

<sup>\*</sup> Includes expected State contribution.

### THREE YEAR TREND INFORMATION

Fiscal	Annual Pension			Net Pension	
Year Ending	Cost (APC)			Obligation	
9/30/2005	\$ 947,581	\$ 948,232	100.1 %	\$ (612,520)	
9/30/2006	1,093,836	1,041,843	95.2	(560,527)	
9/30/2007	1,373,995	1,366,334	99.4	(552,866)	

<sup>\*\*</sup> To be determined.

# 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 (and State) 37.33% 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 Market Value this year. For

20% of difference between market value of assets and expected actuarial asset

value.

**Actuarial Assumptions** 

Investment rate of return 8%

Projected salary increases 6.5% to 13% based on service

Includes inflation and other general increases at 3°

Cost-of-living adjustments 3% per year from age 55 to 62

# SECTION E MISCELLANEOUS INFORMATION

	RECONCILIATION OF MEMBERS	HIP 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.	Number Included in Last Valuation New Members Included in Current Valuation Non-Vested Employment Terminations Vested Employment Terminations Service Retirements Disability Retirements Deaths DROP Retirement Other - Transfers/Reinstated Members Number Included in This Valuation	71 4 (2) 0 (5) 0 0 0 2 70	69 11 (2) (4) (4) 0 0 0 0 1
B.	Terminated Vested Members		
1. 2. 3. 4. 5. 6. 7.	Number Included in Last Valuation Additions from Active Members Lump Sum Payments/Refund of Contributions Payments Commenced Deaths Other - Reinstated Members Number Included in This Valuation	19 0 0 (1) 0 (2) 16	15 4 0 0 0 0 0 19
C.	Service Retirees, Disability Retirees and Benefician	ies	
1. 2. 3. 4. 5. 6. 7. 8.	Number Included in Last Valuation Additions from Active Members Additions from Terminated Vested Members 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	34 5 1 0 0 0 0 0	30 4 0 0 0 0 0 0

### **ACTIVE PARTICIPANT SCATTER**

					Years	of Service	to Valuat	ion 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.	1	0	1	0	0	0	0	0	0	0	0	0	
TOT PAY	39,598	0	50,430	0	0	0	0	0	0	0	0	0	, ,
AVG PAY	39,598	0	50,430	0	0	0	0	0	0	0	0	0	45,014
25-29 NO.	1	4	4	1	0	0	0	0	0	0	0	0	
TOT PAY	39,598	198,943	198,268	45,692	0	0	0	0	0	0	0	0	
AVG PAY	39,598	49,736	49,567	45,692	0	0	0	0	0	0	0	0	48,250
30-34 NO.	0	3	0	1	0	2	1	0	0	0	0	0	
TOT PAY	0	147,499	0	50,455	0	116,805	65,012	0	0	0	0	0	
AVG PAY	0	49,166	0	50,455	0	58,403	65,012	0	0	0	0	0	54,253
35-39 NO.	1	2	1	0	1	6	2	2	0	0	0	0	15
TOT PAY	39,598	95,511	52,961	0	50,586	355,157	131,615	138,216	0	0	0	0	863,644
AVG PAY	39,598	47,756	52,961	0	50,586	59,193	65,808	69,108	0	0	0	0	57,576
40-44 NO.	0	0	1	0	1	3	4	10	2	0	0	0	21
TOT PAY	0	0	47,416	0	54,434	165,273	270,329	748,626	161,495	0	0	0	1,447,573
AVG PAY	0	0	47,416	0	54,434	55,091	67,582	74,863	80,748	0	0	0	68,932
45-49 NO.	1	1	0	0	0	1	1	5	1	0	0	0	10
TOT PAY	42,002	51,331	0	0	0	63,293	67,567	382,042	103,713	0	0	0	709,948
AVG PAY	42,002	51,331	0	0	0	63,293	67,567	76,408	103,713	0	0	0	70,995
50-54 NO.	0	1	0	0	0	0	0	3	0	0	0	0	4
TOT PAY	0	48,225	0	0	0	0	0	205,361	0	0	0	0	253,586
AVG PAY	0	48,225	0	0	0	0	0	68,454	0	0	0	0	63,397
55-59 NO.	0	0	0	0	0	0	0	0	1	0	0	0	1
TOT PAY	0	0	0	0	0	0	0	0	79,408	0	0	0	79,408
AVG PAY	0	0	0	0	0	0	0	0	79,408	0	0	0	79,408
60-64 NO.	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT PAY	0	0	0	0	0	0	0	0	0	0	0	0	0
AVG PAY	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT NO.	4	11	7	2	2	12	8	20	4	0	0	0	70
TOT AMT	160,796	541,509	349,075	96,147	105,020	700,528	534,523	1,474,245	344,616	0	0	0	4,306,459
AVG AMT	40,199	49,228	49,868	48,074	52,510	58,377	66,815	73,712	86,154	0	0	0	61,521

### **INACTIVE PARTICIPANT SCATTER**

	Term	inated	T T				Decea	sed with	
	Ve	sted	Disabled		Re	etired	Beneficiary		
		Total	Total		Total			Total	
Age Group	Number	Benefits	Number	Benefits	Number	Benefits	Number	Benefits	
Under 20	-	-	-	-	-	=	-	-	
20-24	-	-	-	-	-	-	1	7,358	
25-29	-	-	-	-	-	-	-	-	
30-34	1	6,619	-	-	-	-	-	-	
35-39	5	67,639	-	-	-	-	-	-	
						10.100			
40-44	4	52,532	-	-	1	46,129	1	44 005	
45-49	4	38,245	-	-	5	273,397	1	11,395	
50-54	2	17,980	-	-	8	394,768		-	
55-59	-	-	-	-	8	303,996	1	17,365	
60-64	_	_	_	_	5	198,084	_	-	
65-69	_	_	_	_	6	120,742	1	18,238	
70-74	_	_	_	_	1	18,437	-	-	
75-79	-	_	_	-	1	144	-	-	
80-84	-	-	-	-	1	15,593	-		
85-89	-	-	-	-	-	-	-	-	
90-94	-	-	-	-	-	-	-	-	
95-99	-	-	-	-	-	-	-	-	
100 & Over	-	-	-	-	-	-	-	-	
Total	16	183,015	-	-	36	1,371,290	4	54,356	
Average Age		43		N/A		59		49	

# SECTION F SUMMARY OF PLAN PROVISIONS

#### SUMMARY OF PLAN PROVISIONS

### **Eligibility**

All regular sworn Police Officers.

### Compensation

Base compensation plus an annual amount up to \$6,700 in other compensation, but not including extra detail and special detail pay.

### **Average Final Compensation (AFC)**

Average salary during the three best years of service, or, if higher, during the five best years of the last ten; includes lump sum payment of accrued leave up to the maximum described above.

### **Normal Retirement**

**Eligibility** Earlier of age 50 or 25 years of credited service regardless of age.

**Benefit** 3.6% of AFC for each year of credited service.

Form of Benefit Ten year certain and life annuity with other options available.

### **Early Retirement**

**Eligibility** Earlier of age 45 or 20 years of credited service regardless of age.

**Benefit** Same as Normal except reduced 3% for each year early.

### **Disability Retirement**

**Eligibility** All members are eligible for duty and non-duty benefits.

Benefit Accrued pension benefit with a minimum of 42% of AFC if line of duty or

25% of AFC if non-line of duty.

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

Upon the death of a member with at least five years of credited service, beneficiary will receive monthly income, payable in the form of a ten year certain and life annuity, equal to the accrued pension actuarially adjusted to reflect the early commencement of the benefit.



## **Cost of Living Adjustment**

Each service retiree and survivor because a 3% increase in benefits each service receive a 3% increase in benefits each service retiree and survivor because a 3% increase in benefits each service retiree and survivor because a 3% increase in benefits each service retiree and survivor because a 3% increase in benefits each service retiree and survivor because a 3% increase in benefits each service retiree and survivor because a 3% increase in benefits each service retiree and survivor because a 3% increase in benefits each service retiree and survivor because a 3% increase in benefits each service retiree a 3% increase and service retiree a 3% increase and service retiree a 3% increase and service retiree a 3% increase a

## **Termination Benefits**

Less than five years of credited servi

Five years or more – accrued pensio

### **Contributions**

Employees 5% of Comp

State Premium tax

City Remaining a

## **Changes Since Last Valuation**

None.