North Miami Police Pension Plan

Actuarial Valuation Report as of October 1, 2017

Annual Employer Contribution for the Fiscal Year Ending September 30, 2019







April 16, 2018

Board of Trustees North Miami Police Pension Plan North Miami, Florida

Dear Board Members:

The results of the October 1, 2017 Annual Actuarial Valuation of the North Miami Police Pension Plan are presented in this report.

The computed contribution rate shown on page 1 may be considered as a minimum contribution rate that complies with the Board's funding policy. Users of this report should be aware that contributions made at that rate do not guarantee benefit security. Given the importance of benefit security to any retirement system, we suggest that contributions to the System in excess of those presented in this report be considered.

The contribution rate in this report is determined using the actuarial assumptions and methods disclosed in Section B of this report. This report includes risk metrics in Section A but does not include a more robust assessment of the risks of future experience not meeting the actuarial assumptions. Additional assessment of risks was outside the scope of this assignment. We encourage a review and assessment of investment and other significant risks that may have a material effect on the Plan's financial condition.

This report 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. GRS is not responsible for unauthorized use of this report.

The purposes of the valuation are to measure the System's funding progress, to determine the employer contribution rate for the fiscal year ending September 30, 2019, and to determine the actuarial information for GASB Statement No. 67 for the fiscal year ending September 30, 2017. This report should not be relied on for any purpose other than the purposes described herein. Determinations of financial results, associated with the benefits described in this report, for purposes other than those identified above may be significantly different.

The findings in this report are based on data or other information through September 30, 2017. Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law. The scope of an actuarial valuation does not include an analysis of the potential range of such measurements.

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This valuation assumed the continuing ability of the plan sponsor to make the contributions necessary to fund this Plan. A determination regarding whether or not the plan sponsor is actually able to do so is outside our scope of expertise and was not performed.

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

In addition, this report was prepared using certain assumptions approved by the Board and prescribed by the Florida Statutes as described in the section of this report entitled Actuarial Assumptions and Methods. The prescribed assumptions are the assumed mortality rates detailed in the Actuarial Assumptions and Methods section in accordance with Florida House Bill 1309 (codified in Chapter 2015-157).

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

Jeffrey Amrose and Trisha Amrose are members of the American Academy of Actuaries. These actuaries meet the Academy's Qualification Standards to render the actuarial opinions contained herein.

The signing actuaries are independent of the plan sponsor.

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.

Gabriel, Roeder, Smith & Company will be pleased to review this valuation and Report with the Board of Trustees and to answer any questions pertaining to the valuation.



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Respectfully submitted,

GABRIEL, ROEDER, SMITH AND COMPANY

Jeffrey Amrose, MAAA

Enrolled Actuary No. 17-6599 Senior Consultant & Actuary By: Linea ann

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Consultant & Actuary



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SECTION A

DISCUSSION OF VALUATION RESULTS

DISCUSSION OF VALUATION RESULTS

Comparison of Required Employer Contributions

The following is a comparison of required contributions developed in this year's and last year's actuarial valuations.

	For FYE 9/30/2019 Based on 10/1/2017 Valuation	For FYE 9/30/2018 Based on 10/1/2016 Valuation	Increase (Decrease)
Required Employer/State Contribution As % of Covered Payroll	\$ 4,908,116	\$ 3,967,627	\$ 940,489
	49.27 %	43.80 %	5.47 %
Credit for State Contribution As % of Covered Payroll	\$ 82,682	\$ 82,682	\$ 0
	0.83 %	0.91 %	(0.08) %
Required Employer Contribution As % of Covered Payroll	\$ 4,825,434	\$ 3,884,945	\$ 940,489
	48.44 %	42.89 %	5.55 %
Date of Contribution	October 1, 2018	October 1, 2017	

The contribution has been calculated as though payments are made on the first day of the next fiscal year. Further, the required Employer contribution has been computed with the assumption that the amount to be received from the State in 2018 and 2019 will be at least \$82,682. 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, 2017 were \$3,744,407 and \$82,682, respectively, for a total of \$3,827,089. The required contribution was \$3,827,089 for that year.

Revisions in Benefits

There were no revisions in benefits since the last actuarial valuation.

Revisions in Actuarial Assumptions and Methods

There have been revisions made to the actuarial assumptions and methods since the last actuarial valuation.

■ The investment return assumption was changed from 7.50% to 7.40%, net of investment expenses. The assumed rate of investment return will continue to be lowered by 0.10% each year until reaching 7.00%.



The amortization period for the unfunded actuarial accrued liability has been lowered to 25 years for any new bases and for any existing bases that had over 25 years remaining as of October 1, 2017.

The assumption and method changes described above increased the Required Employer Contribution by \$204,410, or 2.06% of covered payroll.

Actuarial Experience

During the past year, there was a net actuarial loss of \$4,834,396 which means that actual experience was less favorable than expected. The loss is primarily due to liability losses due to higher than expected average salary increases. Actual average salary increases were 17.6% versus 5.1% assumed. The loss increased the Required Employer Contribution by 3.82% of covered payroll.

Funded Ratio

The funded ratio this year is 69.4% compared to 72.0% last year. The funded ratio was 70.3% before the assumption changes detailed above. The funded ratio is equal to the actuarial value of assets divided by the actuarial accrued (past service) liability.

Analysis of Change in Required Employer Contribution

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

Contribution Rate Last Year	42.89	%
Change Due to Experience Gain/Loss	3.82	
Decrease in Member Contribution Rate	2.00	
Change in Administrative Expense	0.04	
Change in Normal Cost Rate	(0.15)	
Change in Amortization Payments on UAL	(2.30)	
Change in Assumptions and Methods	2.06	
Change in Benefit Provisions	0.00	
Change in State Contribution	0.08	
Contribution Rate This Year	48.44	

Variability of Future Contribution Rates

The Actuarial Cost Method used to determine the contribution rate is intended to produce contribution rates which are level as a percent of payroll. Even so, when experience differs from the assumptions, as it often does, the employer's contribution rate can vary significantly from year-to-year.

Over time, if the year-to-year gains and losses offset each other, the contribution rate would be expected to return to the current level, but this does not always happen.

The Market Value of Assets exceeds the Actuarial Value of Assets by \$187,307 as of the valuation date (see Section C). This difference will be gradually recognized in the absence of offsetting gains. In turn, the computed employer contribution rate will gradually decrease by approximately 0.15% of covered payroll.



Relationship to Market Value

If Market Value had been the basis for the valuation, the City contribution rate would have been 48.29% and the funded ratio would have been 69.6%. In the absence of other gains and losses, the City contribution rate should decrease to that level over the next several years, before reflecting further phase-in of the change in the investment return assumption.

Conclusion

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. As of the valuation date, all minimum benefit requirements for police officers in the 748 Plan have been met.

Actuarial Confirmation of the Use of State Chapter Money									
	748 Plan	691 Plan	Total						
 Base Amount Previous Plan Year (Excluding Amount Allocated to Share Plan) 	82,682	-	82,682						
2. Amount Received for Previous Plan Year	336,849	2,929	339,778						
3. Amount Allocated to Share Plan	146,314	1,272	147,586						
 Amount Received for Previous Plan Year After Share Plan Allocation (2) - (3) 	190,535	1,657	192,192						
5. Benefit Improvements Made in Prior Plan Year	-	-	-						
6. Excess Funds for Previous Plan Year (4) - (5) - (1)	107,853	1,657	109,510						
7. Accumulated Excess at Beginning of Previous Plan Year	486,112	31,872	517,984						
8. Prior Excess Used in Previous Plan Year	-	-	-						
9. Accumulated Excess as of Valuation Date (7) - (8) + (6)	593,965	* 33,529	627,494						
10. Base Amount This Plan Year (Excluding Amount									
Allocated to the Share Plan) (1) + (5)	82,682		82,682						

^{*} The Accumulated Excess is not included in the Pension Fund.

The Base Amount in line 10 is the amount the employer may take as a credit against its required contribution; however, in no event may the employer take credit for more than the actual amount of Chapter revenue received.



SECTION B

VALUATION RESULTS

PARTICIPANT DATA								
	October 1, 20)17 Oc	tober 1, 2016					
ACTIVE MEMBERS								
Number Covered Annual Payroll Average Annual Payroll Average Age Average Past Service Average Age at Hire	109 \$ 9,962,588 \$ 91,400 40.8 13.1 27.7	\$ \$	115 9,058,510 78,770 40.5 12.5 28.0					
RETIREES & BENEFICIARIES								
Number Annual Benefits Average Annual Benefit Average Age	41 \$ 3,154,722 \$ 76,944 58.3	\$ \$	38 2,868,292 75,481 57.8					
DISABILITY RETIREES								
Number Annual Benefits Average Annual Benefit Average Age	4 \$ 150,404 \$ 37,601 64.7	\$ \$	4 150,404 37,601 63.7					
TERMINATED VESTED MEME	BERS	•						
Number Annual Benefits Average Annual Benefit Average Age	0 \$ 0 \$ 0.0	\$	0 0 0 0.0					



ACTUARIALLY DETERMINED EMPLOYER CONTRIBUTION (ADEC)									
A. Valuation Date	October 1, 2017 After Changes	October 1, 2017 Before Changes	October 1, 2016						
B. ADEC to Be Paid During Fiscal Year Ending	9/30/2019	9/30/2019	9/30/2018						
C. Assumed Date of Employer Contrib.	10/1/2018	10/1/2018	10/1/2017						
D. Annual Payment to Amortize Unfunded Actuarial Liability	\$ 2,760,312	\$ 2,628,825	\$ 2,250,535						
E. Employer Normal Cost	2,147,804	2,074,881	1,717,092						
F. ADEC as of the Valuation Date: D+E	4,908,116	4,703,706	3,967,627						
Valuation Date	10/1/2017	10/1/2017	10/1/2016						
G. ADEC as % of Covered Payroll	49.27 %	47.21 %	43.80 %						
H. Assumed Rate of Increase in Covered Payroll to Contribution Year	0.00 %	0.00 %	0.00 %						
I. Covered Payroll for Contribution Year	9,962,588	9,962,588	9,058,510						
J. ADEC if Paid on the First Day of the Next Fiscal Year (Before Credit for State Contribution): G x I First Day of Next Fiscal Year	4,908,116 <i>10/1/2018</i>	4,703,706 10/1/2018	3,967,627 10/1/2017						
K. ADEC if Paid Quarterly throughout the Next Fiscal Year (Before Credit for State Contribution)	5,128,987	4,918,161	4,148,522						
L. Credit for State Revenue in Contribution Year	82,682	82,682	82,682						
M. Required Employer Contribution (REC) in Contribution Year: J - L *	4,825,434	4,621,024	3,884,945						
N. REC as % of Covered Payroll in Contribution Year: M ÷ I *	48.44 %	46.38 %	42.89 %						

^{*} Assuming the contribution is paid on the first day of the next fiscal year.



	ACTUARIAL VALUE OF BENEFITS AND ASSETS										
A.	Valuation Date	October 1, 2017 After Changes	October 1, 2017 Before Changes	October 1, 2016							
B.	Actuarial Present Value of All Projected Benefits for 1. Active Members a. Service Retirement Benefits	\$ 73,267,801	\$ 71,824,660	\$ 64,254,694							
	b. Vesting Benefits	5,170,952	5,044,180	4,548,851							
	c. Disability Benefits	1,076,489	1,060,119	942,283							
	d. Preretirement Death Benefits	1,258,349	1,231,750	1,158,999							
	e. Return of Member Contributions	48,128	48,099	78,604							
	f. Total	80,821,719	79,208,808	70,983,431							
	2. Inactive Members										
	a. Service Retirees & Beneficiaries	43,053,992	42,606,105	39,068,274							
	b. Disability Retirees	1,285,923	1,277,217	1,299,167							
	c. Terminated Vested Members	-	-	-							
	d. Total	44,339,915	43,883,322	40,367,441							
	3. Total for All Members	125,161,634	123,092,130	111,350,872							
C.	Actuarial Accrued (Past Service) Liability	101,480,968	100,135,717	89,987,665							
D.	Actuarial Value of Accumulated Plan Benefits per FASB No. 35	87,593,752	86,431,069	80,389,002							
E.	Plan Assets 1. Market Value 2. Actuarial Value	70,583,225 70,395,918	70,583,225 70,395,918	63,141,517 64,820,231							
F.	Unfunded Actuarial Accrued Liability	31,085,050	29,739,799	25,167,434							
G.	Actuarial Present Value of Projected Covered Payroll	81,078,293	80,619,791	74,408,486							
Н.	Actuarial Present Value of Projected Member Contributions	9,332,111	9,279,338	8,564,417							
I.	Accumulated Contributions of Active Members	8,151,073	8,151,073	7,623,305							



CALCULATION OF EMPLOYER NORMAL COST October 1, 2017 A. Valuation Date October 1, 2017 October 1, 2016 After Before Changes Changes B. Normal Cost for 1. Service Retirement Benefits 2,400,087 2,142,161 2,338,265 346,971 301,194 2. Vesting Benefits 338,176 3. Disability Benefits 72,315 71,344 64,956 78,978 77,341 75,549 4. Preretirement Death Benefits 5. Return of Member Contributions 48,853 49,155 44,518 6. Total for Future Benefits 2,947,204 2,874,281 2,628,378 7. Assumed Amount for Administrative Expenses 148,042 148,042 131,348 8. Total Normal Cost 3,095,246 3,022,323 2,759,726 9. Total as a % of Covered Payroll 31.07% 30.34% 30.47% C. Expected Member Contribution 947,442 1 947,442 1 1,042,634 D. Employer Normal Cost: B8-C 2,147,804 2,074,881 1,717,092 E. Employer Normal Cost as a % of **Covered Payroll** 21.56% 20.83% 18.96%



¹ Reflects 9.51% employee contribution rate.

² Reflects 11.51% employee contribution rate.

LIQUIDATION OF UNFUNDED ACTUARIAL ACCRUED LIABILITY

A. UAAL Amortization Period and Payments

	Original l	JAAL			Curre	ent UAAL		
		Amortization Period		Years		Payment After Before		
Date	Source **	(Years)	Amount	Remaining	Amount	Changes	Changes*	
10/1/2005	Method Change	30	\$ 5,743,765	18	\$ 6,361,822	\$ 605,979	\$ 609,723	
10/1/2005	Benefit Change	30	374,929	18	415,272	39,556	39,800	
10/1/2006	(Gain)/Loss	30	1,855,675	19	2,053,412	190,571	191,800	
10/1/2007	(Gain)/Loss	30	148,034	20	162,121	14,695	14,793	
10/1/2008	Benefit Change	30	3,959,647	21	4,341,591	385,149	387,833	
10/1/2008	(Gain)/Loss	30	1,253,299	21	1,374,191	121,907	122,756	
10/1/2009	(Gain)/Loss	30	2,773,430	22	2,965,819	257,992	259,852	
10/1/2010	(Gain)/Loss	30	(8,803)	23	(9,249)	(790)	(796)	
10/1/2010	Assumption Change	30	1,001,365	23	1,051,856	89,874	90,543	
10/1/2011	(Gain)/Loss	30	2,493,045	24	2,585,253	217,297	218,965	
10/1/2012	(Gain)/Loss	30	(2,073,952)	25	(2,107,601)	(174,505)	(175,883)	
10/1/2012	Assumption Change	30	805,050	25	818,111	67,738	68,273	
10/1/2013	Benefit Change	5	130,506	1	30,605	30,605	30,605	
10/1/2013	(Gain)/Loss	30	488,899	25	490,700	40,629	40,397	
10/1/2013	Assumption Change	30	866,385	25	869,576	71,999	71,588	
10/1/2014	(Gain)/Loss	30	(1,862,552)	25	(1,844,379)	(152,711)	(149,956)	
10/1/2014	Assumption Change	30	915,047	25	906,120	75,025	73,671	
10/1/2015	(Gain)/Loss	30	146,545	25	144,171	11,937	11,588	
10/1/2015	Assumption Change	30	990,282	25	974,237	80,665	78,306	
10/1/2016	(Gain)/Loss	30	18,964	25	18,961	1,570	1,508	
10/1/2016	Assumption Change	30	3,303,161	25	3,302,814	273,467	262,683	
10/1/2017	(Gain)/Loss	25	4,834,396	25	4,834,396	400,279	380,776	
10/1/2017	Assumption Change	25	1,345,251	25	1,345,251	111,384	N/A	
			29,665,853		31,085,050	2,760,312	2,628,825	

^{*} Before changes amortization payment based on 30-year amortization period when base was established.

10/1/2005 Method Changes:

- 1. The funding method was changed from Aggregate to Entry Age Normal with a 30-year amortization period.
- 2. The asset valuation method was changed.
- 3. The mortality table was changed from the 1983 Group Annuity Mortality Table to the RP 2000 Generational Mortality Table.
- 4. The investment earnings assumption was changed from 9% per year up to retirement and 7% thereafter to 8.5% per year.
- 5. The turnover rates were increased by 25%.



^{**} Descriptions of the source of changes for bases other than (Gain)/Loss are described below.

- 6. The salary increase assumption for service above 20 years was decreased from 4% to 3.5%.
- 7. It is assumed that members will choose the option (lump sum without COLA or annuity with COLA) with the greater actuarial value.

10/1/2005 Benefit Changes: Changed the definition of pensionable compensation to include future holiday pay, changed the period for determining the average final compensation from 60 months to 57 months, and changed the period for determining the average final compensation to 24 months and the early retirement reduction to 3% per year for employees who irrevocably waived their right to receive early retirement benefits upon the completion of 20 years of service.

10/1/2008 Benefit Change: The benefit multiplier was increased to 3.5% for service after January 1, 1998 and the member contribution rate was increased to 11.51% of pay.

10/1/2010 Assumption Change: The timing of expected pay increases was changed from end of year to mid-year timing. The short term payroll growth assumption was also reduced from 6% to 4%.

10/1/2012 Benefit Change: The Plan was amended by implementing a 3% Cost of Living Adjustment (COLA) for survivors in receipt of line of duty death benefits before the Plan's COLA was adopted on September 28, 2004. There is one survivor in receipt of line of duty death benefits who was affected by the Plan change, and the COLA start date for that survivor was retroactive to April 1, 2005.

10/1/2012 Assumption Change: Decreased the investment rate of return assumption to 8.4%.

10/1/2013 Benefit Change: The Plan was amended to allow members who previously waived eligibility for early retirement with 20 years of service regardless of age, who would have 20 years of service on or before January 1, 2013, to revoke their waivers. These members needed to agree to retire from City service on or before January 1, 2013. There was one member of the allowable ten members who elected to revoke their waiver and retired under the window.

10/1/2013 Assumption Change: Decreased the investment rate of return assumption to 8.3%.

10/1/2014 Assumption Change: Decreased the investment rate of return assumption to 8.2%.

10/1/2015 Assumption Change: Decreased the investment rate of return assumption to 8.1%.

10/1/2016 Assumption Changes: Decreased the investment rate of return assumption to 7.5%. Salary increase rates, retirement rates, withdrawal rates, and disability rates have all been revised based on the experience study as of 10/1/2015. The mortality assumption was changed to the same rates used by FRS for Special Risk members in their July 1, 2016 actuarial valuation, as mandated by the Florida Statutes.

10/1/2017 Assumption Changes: Decreased the investment rate of return assumption to 7.4%.

10/1/2017 Method Changes: The amortization period for the unfunded actuarial accrued liability has been lowered to 25 years for any new bases and for any existing bases that had over 25 years remaining as of October 1, 2017.



B. Amortization Schedule

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

Amortization Schedule								
Year	Expected UAAL							
2017	\$ 31,085,050							
2018	30,420,804							
2019	29,740,239							
2020	29,009,311							
2021	28,224,295							
2022	27,381,187							
2027	22,132,185							
2032	14,631,547							
2037	5,555,990							
2042	-							



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:

Derivation of the Current UAAL								
1. Last Year's UAAL	\$	25,167,434						
2. Last Year's Employer Normal Cost		1,821,704						
3. Last Year's Contributions		3,827,089						
4. Interest at the Assumed Rate on:a. 1 and 2 for one yearb. 3 from dates paidc. a - b		2,024,185 2 <u>80,831</u> 1,743,354						
 This Year's Expected UAAL (Before Change): 1 + 2 - 3c + 4c 		24,905,403						
6. Change in UAAL Due to Changes in Plan Provisions		0						
7. Change in UAAL Due to Changes in Assumptions		1,345,251						
8. This Year's Expected UAAL (After Changes)		26,250,654						
9. This Year's Actual UAAL		31,085,050						
10. Net Actuarial Gain/(Loss): 8 - 9		(4,834,396)						
11. Gain/(Loss) Due to Investments		46,827						
12. Gain/(Loss) Due to Other Sources		(4,881,223)						

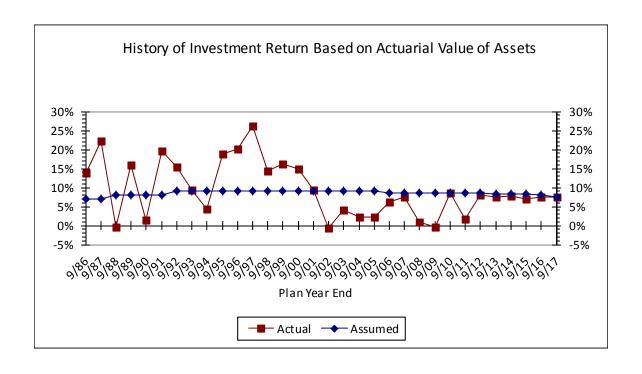


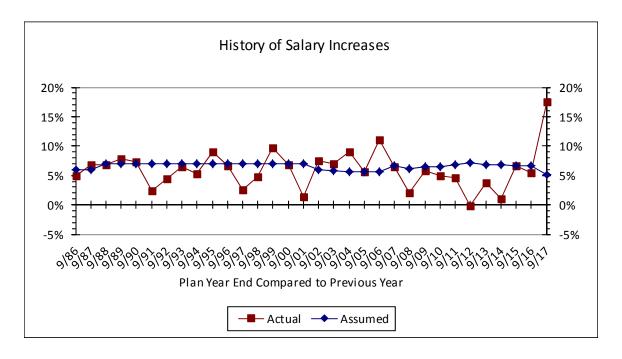
The fund earnings and salary increase assumptions have considerable impact on the cost of the Plan so it is important that they are in line with the actual experience. The following table shows the actual fund earnings and salary increase rates compared to the assumed rates for the last few years:

	Investmen	t Return	Salary Increases			
Year Ending	Actual	Assumed	Actual	Assumed		
9/30/1986	13.8 %	7.0 %	5.0 %	6.0 %		
9/30/1987	22.3	7.0	6.8	6.0		
9/30/1988	(0.5)	8.0	6.9	7.0		
9/30/1989	15.8	8.0	7.9	7.0		
9/30/1990	1.4	8.0	7.3	7.0		
9/30/1991	19.5	8.0	2.4	7.0		
9/30/1992	15.3	9.0	4.4	7.0		
9/30/1993	9.3	9.0	6.5	7.0		
9/30/1994	4.3	9.0	5.3	7.0		
9/30/1995	18.8	9.0	9.1	7.0		
9/30/1996	20.2	9.0	6.7	7.0		
9/30/1997	26.3	9.0	2.6	7.0		
9/30/1998	14.3	9.0	4.7	7.0		
9/30/1999	16.3	9.0	9.7	7.0		
9/30/2000	14.8	9.0	6.9	7.0		
9/30/2001	9.4	9.0	1.4	7.0		
9/30/2002	(0.6)	9.0	7.5	6.0		
9/30/2003	4.2	9.0	7.0	5.8		
9/30/2004	2.2	9.0	9.0	5.6		
9/30/2005	2.3	9.0	5.7	5.7		
9/30/2006	6.3	8.5	11.1	5.7		
9/30/2007	7.5	8.5	6.6	6.7		
9/30/2008	0.9	8.5	2.1	6.2		
9/30/2009	(0.5)	8.5	5.8	6.4		
9/30/2010	8.6	8.5	4.9	6.4		
9/30/2011	1.8	8.5	4.6	6.9		
9/30/2012	8.2	8.5	(0.2)	7.1		
9/30/2013	7.4	8.4	3.8	6.9		
9/30/2014	7.9	8.3	1.1	6.9		
9/30/2015	6.9	8.2	6.7	6.6		
9/30/2016	7.4	8.1	5.4	6.7		
9/30/2017	7.6	7.5	17.6	5.1		
Averages	9.1 %		6.0 %			

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 end of each year.









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

Year	Ye	ded ing ar	Retir	vice ement	Disab Retire	ment		ath	Terminations Vested Other Totals		Active Members End of		
Ended	Α	Е	Α	E	Α	E	Α	E	Α	Α	Α	E	Year
9/30/2002	10	7	2	1	1	0	0	0	2	2	4	3	107
9/30/2003	10	9	3	5	0	0	0	0	4	2	6	3	108
9/30/2004	13	4	2	3	0	0	0	0	0	2	2	3	117
9/30/2005	12	2	0	7	0	0	0	0	1	1	2	3	127
9/30/2006	1	6	1	0	0	1	0	0	0	5	5	5	122
9/30/2007	8	7	2	3	1	1	0	0	0	4	4	4	123
9/30/2008	6	7	1	6	0	1	1	0	3	2	5	4	122
9/30/2009	9	9	6	6	0	1	0	0	0	3	3	4	122
9/30/2010	6	9	7	9	0	1	0	0	0	2	2	4	119
9/30/2011	3	14	13	4	0	1	0	0	0	1	1	4	108
9/30/2012	8	8	5	3	0	1	0	0	2	1	3	4	108
9/30/2013	9	3	3	4	0	0	0	0	0	0	0	4	114
9/30/2014	6	8	2	2	0	0	0	0	3	3	6	4	112
9/30/2015	11	2	2	6	0	0	0	0	0	0	0	4	121
9/30/2016	4	10	3	3	0	1	0	0	2	5	7	4	115
9/30/2017	0	0	3	4	0	0	0	0	2	1	3	4	109
9/30/2018				5		0		0				3	
16 Yr Totals *	116	105	55	66	2	8	1	0	19	34	53	61	

^{*} Totals are through the current Plan Year only.



	RECENT HISTORY OF VALUATION RESULTS								
Valuation Date	Numk Active Members	Inactive	Covered Annual Payroll	Actuarial Value of Assets	Actuarial Accrued Liability (AAL) - Entry Age Normal	Unfunded AAL (UAAL) - Entry Age Normal	Funded Ratio	Employer N Amount	ormal Cost % of Payroll
10/1/95	96	3	\$ 4,104,508	\$ 9,585,484	\$ 8,995,586	\$ (589,898)	106.6 %	\$ 1,109,104	9.76 %
10/1/97	98	4	4,497,429	14,614,214	11,248,464	(3,365,750)	129.9	400,493	6.83
10/1/99	107	4	5,312,541	19,157,751	13,566,544	(5,591,207)	141.2	307,353	3.68
10/1/01	104	5	5,469,735	24,124,424	20,374,068	(3,750,356)	118.4	195,360	5.57
10/1/02	107	6	5,917,542	23,484,787	22,884,351	(600,436)	102.6	304,626	14.66
10/1/03	108	6	6,190,865	22,764,119	23,529,578	765,459	96.7	1,165,034	18.82
10/1/04	117	6	7,031,747	23,064,904	25,958,509	2,893,605	88.9	1,584,162	22.53
10/1/05	127	5	7,787,903	27,393,083	33,511,777	6,118,694	81.7	1,340,779	17.22
10/1/06	122	6	8,325,901	31,020,690	39,111,752	8,091,062	79.3	1,551,241	18.63
10/1/07	123	7	8,814,200	34,269,292	42,712,978	8,443,686	80.2	1,773,937	20.13
10/1/08	122	7	8,687,911	35,762,075	49,498,712	13,736,637	72.2 *	1,360,165	15.66
10/1/09	122	11	8,931,391	36,595,232	53,587,800	16,992,568	68.3	1,426,946	15.98
10/1/10	119	17	9,004,946	40,159,836	58,568,153	18,408,317	68.6	1,638,670	18.20
10/1/11	108	29	8,469,168	42,456,776	63,662,556	21,205,780	66.7	1,449,922	17.12
10/1/12	108	32	8,174,358	44,577,607	65,146,979	20,569,372	68.4	1,642,964	20.10
10/1/13	114	35	8,641,896	49,223,508	71,473,243	22,249,735	68.9	1,768,511	20.46
10/1/14	112	37	8,303,772	53,428,211	74,883,541	21,455,330	71.3	1,751,194	21.09
10/1/15	121	39	9,185,954	58,298,763	80,847,820	22,549,057	72.1	1,821,704	19.83
10/1/16	115	42	9,058,510	64,820,231	89,987,665	25,167,434	72.0	1,717,092	18.96
10/1/17	109	45	9,962,588	70,395,918	101,480,968	31,085,050	69.4	2,147,804	21.56

 $^{^{*}}$ The ratio was 78.5% before allowing the Plan amendment that is being funded with member contributions.



	RECENT HISTORY OF REQUIRED AND ACTUAL CONTRIBUTIONS									
Required Contributions										
	End of Year To	Employer	& State	Estimate	d State	Net Em	ployer	Ac	tual Contribut	ions
Valuation Date	Which Valuation Applies	Amount	% of Payroll	Amount	% of Payroll	Amount	% of Payroll	Employer	State	Total
10/1/85	9/30/87	\$ 668,968	9.95 %	\$	%	\$ 668,968	9.95 %	\$ 668,968	\$	\$ 668,968
10/1/83	9/30/88	665,073	8.35		/0	665,073	8.35	665,073		665,073
10/1/87	9/30/88	742,366	6.55			742,366	6.55	771,335		771,335
10/1/89	9/30/90	778,557	8.19			778,557	8.19	776,878		776,878
10/1/89	9/30/91	846,580				846,580		855,377		855,377
10, 1, 03	3,33,31	0.0,000				0.0,500		000,077		000,077
10/1/91	9/30/92	1,057,492	9.32			1,057,492	9.32	1,057,400		1,057,400
10/1/91	9/30/93	1,356,744	12.4			1,356,744	12.4	1,356,744		1,356,744
10/1/91	9/30/94	1,401,934	12.36			1,401,934	12.36	1,398,812		1,398,812
10/1/93	9/30/95	592,021	19.43			592,021	19.43	592,021		592,021
10/1/93	9/30/96	725,024	19.9			725,024	19.9	725,024		725,024
	- 1 1-									
10/1/95	9/30/97	558,938	13.62			558,938	13.62	558,938		558,938
10/1/95	9/30/98	424,916	9.58			424,916	9.58	424,916		424,916
10/1/97	9/30/99	353,245	7.85			353,245	7.85	353,245		353,245
10/1/97	9/30/00	344,764	7.85			344,764	7.85	344,764		344,764
10/1/99	9/30/01	224,529	4.23			224,529	4.23	224,528		224,528
10/1/99	9/30/02	237,449	4.23			237,449	4.23	237,449		237,449
10/1/01	9/30/03	332,042	6.07			332,042	6.07	332,042		332,042
10/1/02	9/30/04	945,433	15.98			945,433	15.98	945,433		945,433
10/1/03	9/30/05	1,269,887	20.51	66,130	1.07	1,203,757	19.44	1,203,757	66,130	1,269,887
10/1/04	9/30/06	1,679,308	22.53	66,130	0.89	1,613,178	21.64	1,651,623	66,130	1,717,753
20,2,0.	3,30,00	1,073,000	22.55	00,200	0.03	2,020,270	22.0	1,001,020	00,200	1), 1,,,,,,
10/1/05	9/30/07	1,795,501	21.75	82,682	1.00	1,712,819	20.75	1,712,819	82,682	1,795,501
10/1/06	9/30/08	2,145,468	24.31	82,682	0.94	2,062,786	23.37	2,062,786	82,682	2,145,468
10/1/07	9/30/09	2,412,376	25.82	82,682	0.88	2,329,694	24.94	2,329,694	82,682	2,412,376
10/1/08	9/30/10	2,307,822	25.06	82,682	0.90	2,225,140	24.16	2,225,141	82,682	2,307,823
10/1/09	9/30/11	2,594,980	27.41	82,682	0.87	2,512,298	26.54	2,512,298	82,682	2,594,980
10/1/10	9/30/12	2,874,163	30.69	82,682	0.88	2,791,481	29.81	2,791,481	82,682	2,874,163
10/1/11	9/30/13	2,871,387	32.60	82,682	0.94	2,788,705	31.66	2,788,705	82,682	2,871,387
10/1/12	9/30/14	3,175,248	37.35	82,682	0.97	3,092,566	36.38	3,194,000	82,682	3,276,682
10/1/13	9/30/15	3,441,341	38.29	82,682	0.92	3,358,659	37.37	3,358,659	82,682	3,441,341
10/1/14	9/30/16	3,640,905	42.16	82,682	0.96	3,558,223	41.20	3,558,223	576,823	4,135,046
10/1/15	0/20/47	2 027 000	40.00	02.662	0.07	2 744 407	20.40	2 744 407	02.602	2 027 000
10/1/15	9/30/17	3,827,089	40.06	82,682	0.87	3,744,407	39.19	3,744,407	82,682	3,827,089
10/1/16	9/30/18	3,967,627	43.80	82,682	0.91	3,884,945	42.89			
10/1/17	9/30/19	4,908,116	49.27	82,682	0.83	4,825,434	48.44			



ACTUARIAL ASSUMPTIONS AND COST METHOD

Valuation Methods

Actuarial Cost Method - Normal cost and the allocation of benefit values between service rendered before and after the valuation date were determined using an **Individual Entry-Age Actuarial Cost Method** having the following characteristics:

- (i) the annual normal cost for each individual active member, payable from the date of employment to the date of retirement, is 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 member's year by year projected covered pay.

Actuarial gains/(losses), as they occur, reduce (increase) the Unfunded Actuarial Accrued Liability.

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

Actuarial Value of Assets - The Actuarial Value of Assets phase in the difference between the expected actuarial value and actual market value of assets at the rate of 20% per year. The Actuarial Value of Assets will be further adjusted to the extent necessary to fall within the corridor whose lower limit is 80% of the Market Value of plan assets and whose upper limit is 120% of the Market Value of plan assets. During periods when investment performance exceeds the assumed rate, Actuarial Value of Assets will tend to be less than Market Value. During periods when investment performance is less than assumed rate, Actuarial Value of Assets will tend to be greater than Market Value.

Valuation Assumptions

The actuarial assumptions used in the valuation are shown in this Section. Both the economic and decrement assumptions were established following the Experience Study Report as of October 1, 2015. The covered group is too small to provide statistically significant experience on which to base the mortality assumption. Mortality is based on a commonly used mortality table and projection scale.

Economic Assumptions

The investment return rate assumed in the current valuation is 7.4% per year, compounded annually (net after investment expenses). The assumed return is being lowered by 0.1% each year until reaching 7.0%.

The Inflation Rate assumed in this valuation is 2.5% per year. The Inflation Rate is defined to be the long term rate of annual increases in goods and services.

The assumed *real rate of return* over inflation is defined to be the portion of total investment return that is more than the assumed inflation rate. Considering other economic assumptions, the 7.4% investment return rate translates to an assumed real rate of return over wage inflation of 4.9%.



Pay increase assumptions for individual active members are shown below. Part of the assumption for each service year is for productivity, merit and/or seniority increases, and the other 2.5% recognizes inflation.

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

	Salary Increase Rates			
Years	Assumed	Promotion,		
of	General	Productivity	Total	
Service	Inflation	& Seniority	Rates	
0	2.5%	6.5%	9.0%	
1	2.5%	6.5%	9.0%	
2	2.5%	6.5%	9.0%	
3	2.5%	5.0%	7.5%	
4	2.5%	5.0%	7.5%	
5	2.5%	5.0%	7.5%	
6	2.5%	3.8%	6.3%	
7	2.5%	3.8%	6.3%	
8	2.5%	3.8%	6.3%	
9	2.5%	3.8%	6.3%	
10 - 14	2.5%	2.0%	4.5%	
15 - 19	2.5%	1.5%	4.0%	
Over 20	2.5%	1.0%	3.5%	

Demographic Assumptions

The mortality table is the RP-2000 Combined Healthy Participant Mortality Table (for pre-retirement mortality) and the RP-2000 Mortality Table for Annuitants (for post-retirement mortality), with mortality improvements projected to all future years after 2000 using Scale BB. For males, the base mortality rates include a 90% blue collar adjustment and a 10% white collar adjustment. For females, the base mortality rates include a 100% white collar adjustment. These are the same rates used for Special Risk Class members of the Florida Retirement System (FRS) in their July 1, 2016 actuarial valuation, as mandated by Florida House Bill 1309.

Sample	Probabil	ity of	Future Life		
Attained	Dying Nex	kt Year	Expectancy (years)		
Ages (in 2017)	Men	Women	Men	Women	
50	0.54 %	0.23 %	33.90	38.31	
55	0.67	0.32	29.26	33.29	
60	0.90	0.47	24.68	28.39	
65	1.31	0.74	20.28	23.65	
70	2.01	1.24	16.15	19.19	
75	3.26	2.09	12.43	15.11	
80	5.37	3.51	9.23	11.49	



This assumption is used to measure the probabilities of each benefit payment being made after retirement.

For disabled retirees, the mortality table used was 60% of the RP-2000 for Disabled Annuitants with ages set back 4 years for males and set forward 2 years for females, and 40% of the RP2000 Annuitant mortality Table with a White Collar adjustment with no age setback, both with no provision being made for future mortality improvements. These are the same rates used for Special Risk Class members of the Florida Retirement System (FRS) in their July 1, 2016 actuarial valuation, as mandated by Florida House Bill 1309.

Sample	Probabil	ity of	Future Life		
Attained	Dying Nex	kt Year	Expectancy (years)		
Ages (in 2017)	Men	Women	Men	Women	
50	1.67 %	0.91 %	23.74	27.06	
55	2.03	1.26	20.77	23.37	
60	2.47	1.67	17.91	19.90	
65	3.07	2.24	15.15	16.62	
70	3.90	3.18	12.52	13.58	
75	5.30	4.60	10.02	10.86	
80	7.59	6.66	7.80	8.48	

The rates of retirement are used to measure the probability of eligible members retiring during the next year.

NORMAL RETIREMENT RATES			
Years			
After 1st	Retirement		
Normal Ret.	Rates		
0	25.0%		
1	25.0%		
2	25.0%		
3	25.0%		
4	35.0%		
5	35.0%		
6	35.0%		
7	35.0%		
8	35.0%		
9	35.0%		
10+	100.0%		



EARLY RE	EARLY RETIREMENT RATES			
Members	Members Eligible for Early			
Retirement a	at 20 Years of Service			
Service	Retirement			
	Rates			
20	30.0%			
21	30.0%			
22	30.0%			
23	30.0%			
24	30.0%			
25	30.0%			
26	30.0%			
27	30.0%			
28	30.0%			
29+	100.0%			

EARLY RETIREMENT RATES Members NOT Eligible for Early Retirement at 20 Years of Service			
Age	Retirement Rates		
50	10.0%		
51	10.0%		
52	10.0%		
53	10.0%		
54	10.0%		



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

WITHDRAWAL RATES				
Age	Years of Service	Assumption		
ALL	Under 1 1 2 3 4	11.0% 10.0% 9.0% 8.0% 7.0%		
25 - 29 30 - 34 35 - 39 40 - 44 45 - 49 50 - 54 55 - 59	5 & Over	3.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0%		

Rates of disability among active members. (75% of future disability retirements are assumed to be service-connected.)

DISABILITY RATES			
Ages	Assumption		
20	0.04%		
25	0.04%		
30	0.05%		
35	0.06%		
40	0.08%		
45	0.13%		
50	0.25%		
55	0.39%		



Changes Since Previous Valuation

The investment return assumption was lowered from 7.5% to 7.4%. This rate will continue to be lowered by 0.1% each year until 7.0% is reached. In addition, the amortization period for the unfunded actuarial accrued liability has been lowered to 25 years for any new bases and for any existing bases that had over 25 years remaining as of October 1, 2017.



Miscellaneous and Technical Assumptions

Administrative & Investment

Expenses

The investment return assumption is intended to be the return net of investment expenses. Annual administrative expenses are assumed to be equal to the average of the expenses over the previous two years. Assumed administrative expenses are added to the Normal Cost.

Benefit Service Exact fractional service is used to determine the amount of benefit

payable.

COLA For future cost-of-living adjustments, benefits are assumed to increase

3% per year starting five years after retirement.

Decrement Operation Disability and mortality decrements operate during retirement

eligibility.

Decrement Timing Decrements of all types are assumed to occur at the beginning of the

year.

Eligibility Testing Eligibility for benefits is determined based upon the age nearest

birthday and service nearest whole year on the date the decrement is

assumed to occur.

For vested separations from service, it is assumed that 0% of members

separating will withdraw their contributions and forfeit an employer

financed benefit. It was further assumed that the liability at

termination is the greater of the vested deferred benefit (if any) or the

member's accumulated contributions.

Incidence of Contributions Contributions are assumed to be received continuously throughout the

year based upon the computed percent of payroll shown in this report, and the actual payroll payable at the time contributions are made. Contribution balances are rolled forward with an assumed annual

interest rate of 5.0%.

Marriage Assumption 100% of males and 100% of females are assumed to be married for

purposes of death-in-service benefits. Male spouses are assumed to be three years older than female spouses for active member valuation

purposes.

Normal Form of Benefit A ten-year certain and life benefit is the normal form of benefit.

Pay Increase Timing Middle of fiscal year. This is equivalent to assuming that reported pays

represent amounts paid to members during the year ended on the

valuation date.

Service Credit Accruals It is assumed that members accrue one year of service credit per year.



GLOSSARY

Actuarial Accrued Liability (AAL)

The difference between the Actuarial Present Value of Future Benefits, and the Actuarial Present Value of Future Normal Costs.

Actuarial Assumptions

Assumptions about future plan experience that affect costs or liabilities, such as: mortality, withdrawal, disablement, and retirement; future increases in salary; future rates of investment earnings; future investment and administrative expenses; characteristics of members not specified in the data, such as marital status; characteristics of future members; future elections made by members; and other items.

Actuarial Cost Method

A procedure for allocating the Actuarial Present Value of Future Benefits between the Actuarial Present Value of Future Normal Costs and the Actuarial Accrued Liability.

Actuarial Equivalent

Of equal Actuarial Present Value, determined as of a given date and based on a given set of Actuarial Assumptions.

Actuarial Present Value (APV)

The amount of funds required to provide a payment or series of payments in the future. It is determined by discounting the future payments with an assumed interest rate and with the assumed probability each payment will be made.

Actuarial Present Value of Future Benefits (APVFB)

The Actuarial Present Value of amounts which are expected to be paid at various future times to active members, retired members, beneficiaries receiving benefits, and inactive, nonretired members entitled to either a refund or a future retirement benefit. Expressed another way, it is the value that would have to be invested on the valuation date so that the amount invested plus investment earnings would provide sufficient assets to pay all projected benefits and expenses when due.

Actuarial Valuation

The determination, as of a valuation date, of the Normal Cost, Actuarial Accrued Liability, Actuarial Value of Assets, and related Actuarial Present Values for a plan. An Actuarial Valuation for a governmental retirement system typically also includes calculations of items needed for compliance with GASB No. 67, such as the Funded Ratio and the Actuarially Determined Employer Contribution (ADEC).

Actuarial Value of Assets

The value of the assets as of a given date, used by the actuary for valuation purposes. This may be the market or fair value of plan assets or a smoothed value in order to reduce the year-to-year volatility of calculated results, such as the funded ratio and the Actuarially Determined Employer Contribution (ADEC).



Amortization Method

A method for determining the Amortization Payment. The most common methods used are level dollar and level percentage of payroll. Under the Level Dollar method, the Amortization Payment is one of a stream of payments, all equal, whose Actuarial Present Value is equal to the UAAL. Under the Level Percentage of Pay method, the Amortization Payment is one of a stream of increasing payments, whose Actuarial Present Value is equal to the UAAL. Under the Level Percentage of Pay method, the stream of payments increases at the rate at which total covered payroll of all active members is assumed to increase.

Amortization Payment

That portion of the plan contribution or ADEC which is designed to pay interest on and to amortize the Unfunded Actuarial Accrued Liability.

Amortization Period

The period used in calculating the Amortization Payment.

Actuarially Determined Employer Contribution (ADEC)

The employer's periodic required contributions, expressed as a dollar amount or a percentage of covered plan compensation. The ADEC consists of the Employer Normal Cost and Amortization Payment.

Closed Amortization Period

A specific number of years that is reduced by one each year, and declines to zero with the passage of time. For example if the amortization period is initially set at 30 years, it is 29 years at the end of one year, 28 years at the end of two years, etc.

Employer Normal Cost

The portion of the Normal Cost to be paid by the employer. This is equal to the Normal Cost less expected member contributions.

Equivalent Single Amortization Period

For plans that do not establish separate amortization bases (separate components of the UAAL), this is the same as the Amortization Period. For plans that do establish separate amortization bases, this is the period over which the UAAL would be amortized if all amortization bases were combined upon the current UAAL payment.

Experience Gain/Loss

A measure of the difference between actual experience and that expected based upon a set of Actuarial Assumptions, during the period between two actuarial valuations. To the extent that actual experience differs from that assumed, Unfunded Actuarial Accrued Liabilities emerge which may be larger or smaller than projected. Gains are due to favorable experience, e.g., the assets earn more than projected, salaries do not increase as fast as assumed, members retire later than assumed, etc. Favorable experience means actual results produce actuarial liabilities not as large as projected by the actuarial assumptions. On the other hand, losses are the result of unfavorable experience, i.e., actual results that produce Unfunded Actuarial Accrued Liabilities which are larger than projected.



Funded Ratio The ratio of the Actuarial Value of Assets to the Actuarial Accrued

Liability.

GASB Governmental Accounting Standards Board.

GASB No. 67 and GASB No. 68 These are the governmental accounting standards that set the accounting rules for public retirement systems and the employers that sponsor or contribute to them. Statement No. 68 sets the accounting rules for the employers that sponsor or contribute to public retirement systems, while Statement No. 67 sets the rules for the systems

themselves.

Normal Cost The annual cost assigned, under the Actuarial Cost Method, to the

current plan year.

Open Amortization Period An open amortization period is one which is used to determine the

Amortization Payment but which does not change over time. In other words, if the initial period is set as 30 years, the same 30-year period is used in determining the Amortization Period each year. In theory, if an Open Amortization Period is used to amortize the Unfunded Actuarial Accrued Liability, the UAAL will never completely disappear, but will become smaller each year, either as a dollar amount or in relation to

covered payroll.

Unfunded Actuarial Accrued

Liability

The difference between the Actuarial Accrued Liability and Actuarial

Value of Assets.

Valuation Date The date as of which the Actuarial Present Value of Future Benefits are

determined. The benefits expected to be paid in the future are

discounted to this date.





PENSION FUND INFORMATION

Statement of Plan Assets at Market Value

		September 30						
	Item		2017	2016				
A. Cas	sh and Cash Equivalents (Operating Cash)	\$	-	\$	- 1			
B. Red	ceivables							
1.	Member Contributions	\$	20,287	\$	16,470			
2.	Employer Contributions		-		-			
3.	State Contributions (from Share Plan)		82,682		82,682			
4.	Investment Income and Other Receivables		311,288		586,607			
5.	Total Receivables	\$	414,257	\$	685,759			
C. Inv	estments							
1.		\$	742,007	\$	3,795,861			
2.	Domestic Equities	•	46,617,690		38,485,835			
3.	•		3,668,891		4,019,813			
4.	Domestic Fixed Income		11,753,685		10,684,780			
5.	International Fixed Income		-		-			
6.	Real Estate		7,713,280		7,134,935			
7.	Private Equity		-		-			
8.	Total Investments	\$	70,495,553	\$	64,121,224			
D. Lial	oilities							
1.	Benefits Payable	\$	(32,663)	\$	(16,580)			
2.	•		(293,922)		(1,648,886)			
3.		\$	(326,585)	\$	(1,665,466)			
E. Tot	al Market Value of Assets Available for Benefits	\$	70,583,225	\$	63,141,517			
F. Allo	ocation of Investments							
1.	Short Term Investments		1.1%		5.9%			
2.	Domestic Equities		66.1%		60.0%			
3.	Index Fund-Bonds		5.2%		6.3%			
4.	Domestic Fixed Income		16.7%		16.7%			
5.	International Fixed Income		0.0%		0.0%			
6.	Real Estate		10.9%		11.1%			
7.	Private Equity		0.0%		0.0%			
8.	Total Investments		100.0%		100.0%			



Reconciliation of Plan Assets

	September 30							
ltem		2017		2016				
A. Market Value of Assets at Beginning of Year	\$	63,141,517	\$	55,388,280				
B. Adjustment to Match Financial Statements	\$	-	\$	-				
C. Revenues and Expenditures								
1. Contributions								
a. Employee Contributions*	\$	1,153,440	\$	1,014,411				
b. Employer Contributions		3,744,407		3,558,223				
c. State Contributions		82,682		576,823 **				
d. Total	\$	4,980,529	\$	5,149,457				
2. Investment Income								
a. Interest, Dividends, and Other Income	\$	635,642	\$	723,723				
b. Net Realized/Unrealized Gains/(Losses)		6,566,807		5,277,105				
c. Investment Expenses		(268,623)		(241,670)				
d. Net Investment Income	\$	6,933,826	\$	5,759,158				
3. Benefits and Refunds								
a. Regular Monthly Benefits	\$	(3,300,491)	\$	(2,859,026)				
b. Refunds		(32,663)		(160,092)				
c. Lump Sum Benefits		(979,670)		-				
d. Total	\$	(4,312,824)	\$	(3,019,118)				
4. Administrative and Miscellaneous Expenses	\$	(159,823)	\$	(136,260)				
5. Transfers	\$	-	\$	-				
D. Market Value of Assets at End of Year	\$	70,583,225	\$	63,141,517				



^{*} Includes purchased service credit contributions.

** Includes additional contribution of \$494,141 from the Share Plan.

Actuarial Value of Assets

	Year Ending September 30					
Items	2017	2016				
Beginning of Year Assets Market Value	\$ 63,141,517	\$ 55,388,280				
2. Actuarial Value	64,820,231	58,298,763				
B. End of Year Market Value of Assets	70,583,225	63,141,517				
C. Net of Contributions Less Disbursements	507,882	1,994,079				
D. Actual Net Investment Earnings	6,933,826	5,759,158				
E. Expected Investment Earnings	5,020,978	4,947,068				
F. Expected Actuarial Value End of Year	70,349,091	65,239,910				
G. Market Value End of Year less Expected Actuarial Value: B - F	234,134	(2,098,393)				
H. 20% of Difference	46,827	(419,679)				
I. End of Year Assets1. Actuarial Value:F + H2. Final Actuarial Value	70,395,918	64,820,231				
Within 80% to 120% of Market Value	70,395,918	64,820,231				
J. Recognized Investment Earnings	5,067,805	4,527,389				
K. Recognized Rate of Return	7.6%	7.4%				



Investment Rate of Return*

		ate of Netulli
	Market Value	Actuarial Value
Year Ended	Basis**	Basis
9/30/86	19.1 %	13.8 %
9/30/87	15.0	22.3
9/30/88	1.6	(0.5)
9/30/89	16.2	15.8
9/30/90	(0.4)	1.4
9/30/91	23.0	19.5
9/30/92	16.1	15.3
9/30/93	9.4	9.3
9/30/94	0.8	4.3
9/30/95	23.4	18.8
9/30/96	22.7	20.2
9/30/97	30.1	26.3
9/30/98	6.0	14.3
9/30/99	20.5	16.3
9/30/00	6.5	14.8
9/30/01	(7.1)	9.4
9/30/02	(6.9)	(0.6)
9/30/03	13.1	4.2
9/30/04	10.5	2.2
9/30/05	6.9	2.3
9/30/06	6.0	6.3
9/30/07	12.8	7.5
9/30/08	(13.2)	0.9
9/30/09	(1.1)	(0.5)
9/30/10	11.6	8.6
9/30/11	(1.4)	1.8
9/30/12	18.8	8.2
9/30/13	13.4	7.4
9/30/14	10.1	7.9
9/30/15	3.1	6.9
9/30/16	9.9	7.4
9/30/17	10.6	7.6
Average Returns:		
Last 5 Years	9.4 %	7.4 %
Last 10 Years	5.8 %	5.6 %
All Years	9.2 %	9.1 %
All Tears	J.Z /0	J.1 /0

^{*} Net of investment expenses after 2005.

^{**} Calculated returns may differ from returns calculated by the investment consultant.





FINANCIAL ACCOUNTING INFORMATION

	FASB NO. 35 INFORM	ATION	
Α.	Valuation Date	October 1, 2017	October 1, 2016
В.	Actuarial Present Value of Accumulated Plan Benefits		
	1. Vested Benefits		
	a. Members Currently Receiving Paymentsb. Terminated Vested Membersc. Other Membersd. Total	\$ 44,339,915 0 41,372,509 85,712,424	\$ 40,367,441 0 38,214,874 78,582,315
	2. Non-Vested Benefits	1,881,328	1,806,687
	3. Total Actuarial Present Value of Accumulated Plan Benefits: 1d + 2	87,593,752	80,389,002
	4. Accumulated Contributions of Active Members	8,151,073	7,623,305
C.	Changes in the Actuarial Present Value of Accumulated Plan Benefits		
	1. Total Value at Beginning of Year	80,389,002	72,883,178
	2. Increase (Decrease) During the Period Attributable to:		
	a. Plan Amendment	0	0
	b. Change in Actuarial Assumptionsc. Latest Member Data, Benefits Accumulated	1,162,683	2,125,043
	and Decrease in the Discount Period	10,354,891	8,399,899
	d. Benefits Paid	(4,312,824)	(3,019,118)
	e. Net Increase	7,204,750	7,505,824
	3. Total Value at End of Period	87,593,752	80,389,002
D.	Market Value of Assets	70,583,225	63,141,517
E.	Actuarial Assumptions - See page entitled Actuarial Assumptions and Methods		



SCHEDULE OF CHANGES IN THE EMPLOYER'S NET PENSION LIABILITY AND RELATED RATIOS GASB Statement No. 67

Fiscal year ending September 30,	_	2017	2016	 2015	 2014
Total Pension Liability					
Service Cost	\$	2,736,585	\$ 2,688,621	\$ 2,364,576	\$ 2,474,226
Interest		7,112,421	6,699,774	6,407,038	5,987,806
Benefit Changes		-	-	-	-
Difference between actual & expected experience		(586,971)	(722,729)	(2,551,912)	-
Assumption Changes		2,910,987	1,055,450	973,319	-
Benefit Payments		(4,280,161)	(2,859,026)	(2,992,356)	(3,537,499)
Refunds		(32,663)	(160,092)	-	(72,946)
Other		-	-	-	-
Net Change in Total Pension Liability		7,860,198	 6,701,998	 4,200,665	4,851,587
Total Pension Liability - Beginning		87,227,493	 80,525,495	76,324,830	71,473,243
Total Pension Liability - Ending (a)	\$	95,087,691	\$ 87,227,493	\$ 80,525,495	\$ 76,324,830
Plan Fiduciary Net Position					
Contributions - Employer	\$	3,744,407	\$ 3,558,223	\$ 3,358,659	\$ 3,194,000
Contributions - Employer (from State/Share Plan)		82,682	576,823	82,682	82,682
Contributions - Non-Employer Contributing Entity		-	-	-	-
Contributions - Member		1,153,440	1,014,411	846,576	791,906
Net Investment Income		6,933,826	5,759,158	1,672,653	4,798,319
Benefit Payments		(4,280,161)	(2,859,026)	(2,992,356)	(3,537,499)
Refunds		(32,663)	(160,092)	-	(72,946)
Administrative Expense		(159,823)	(136,260)	(126,435)	(132,094)
Other			-	 -	-
Net Change in Plan Fiduciary Net Position		7,441,708	7,753,237	2,841,779	5,124,368
Plan Fiduciary Net Position - Beginning		63,141,517	 55,388,280	 52,546,501	47,422,133
Plan Fiduciary Net Position - Ending (b)	\$	70,583,225	\$ 63,141,517	\$ 55,388,280	\$ 52,546,501
Net Pension Liability - Ending (a) - (b)		24,504,466	 24,085,976	25,137,215	 23,778,329
Plan Fiduciary Net Position as a Percentage					
of Total Pension Liability		74.23 %	72.39 %	68.78 %	68.85 %
Covered Payroll*	\$	9,058,510	\$ 9,185,954	\$ 8,901,956	\$ 8,327,087
Net Pension Liability as a Percentage					
of Covered Payroll		270.51 %	262.20 %	282.38 %	285.55 %

^{*} Estimated covered payroll.



SCHEDULE OF THE EMPLOYER'S NET PENSION LIABILITY GASB Statement No. 67

FY Ending September 30,	Total Pension Liability	Plan Fiduciary Net Position	Net Pension Liability	Plan Fiduciary Net Position as a % of Total Pension Liability	Covered Payroll	Net Pension Liability as a % of Covered Payroll
2014	\$ 76,324,830	\$ 52,546,501	\$ 23,778,329	68.85%	\$ 8,327,087	285.55%
2015	80,525,495	55,388,280	25,137,215	68.78%	8,901,956	282.38%
2016	87,227,493	63,141,517	24,085,976	72.39%	9,185,954	262.20%
2017	95,087,691	70,583,225	24,504,466	74.23%	9,058,510	270.51%



NOTES TO SCHEDULE OF THE EMPLOYER'S NET PENSION LIABILITY GASB Statement No. 67

Valuation Date: October 1, 2016

Measurement Date: September 30, 2017

Methods and Assumptions Used to Determine Net Pension Liability:

Actuarial Cost Method Entry Age Normal

Inflation 2.50%

Salary Increases 3.50% to 9.0% depending on service

Investment Rate of Return 7.50%

Retirement Age Experience-based table of rates that are specific to the type of

eligibility condition

Mortality The mortality table is the RP-2000 Combined Healthy Participant

Mortality Table (for pre-retirement mortality) and the RP-2000 Mortality Table for Annuitants (for post-retirement mortality), with mortality improvements projected to all future years after 2000 using Scale BB. For males, the base mortality rates include a 90% blue collar adjustment and a 10% white collar adjustment. For females, the base mortality rates include a 100% white collar adjustment. These are the same rates used for Special Risk Class members of the Florida Retirement System (FRS) in their July 1, 2016 actuarial valuation, as mandated by Florida House Bill 1309.

Other Information:

Notes See Discussion of Valuation Results in the October 1, 2016 Actuarial

Valuation Report. There were changes in actuarial assumptions adopted in connection with an Experience Study covering the ten

years ended September 30, 2015 dated August 5, 2016.



SCHEDULE OF CONTRIBUTIONS GASB Statement No. 67

FY Ending September 30,	Actuarially Determined Contribution	Actual Contribution	Contribution Deficiency (Excess)	Covered Payroll	Actual Contribution as a % of Covered Payroll
2014	\$ 3,239,178	\$ 3,276,682	\$ (37,504)	\$ 8,327,087	39.35%
2015	3,441,341	3,441,341	0	8,901,956	38.66%
2016	3,640,905	4,135,046	(494,141)	9,185,954	45.01%
2017	3,827,089	3,827,089	0	9,058,510	42.25%



NOTES TO SCHEDULE OF CONTRIBUTIONS GASB Statement No. 67

Valuation Date: October 1, 2015

Notes Actuarially determined contributions are calculated as of October 1,

which is two years prior to the end of the fiscal year in which

contributions are reported.

Methods and Assumptions Used to Determine Contribution Rates:

Actuarial Cost Method Entry Age Normal

Amortization Method Level Percentage of Payroll, Closed

Remaining Amortization Period 30 years

Asset Valuation Method Recognition of 20% of difference between market value of assets

and expected actuarial value of assets

Inflation 3.00%

Salary Increases 3.50% to 9.40% depending on service

Investment Rate of Return 8.10%

Retirement Age Experience-based table of rates that are specific to the type of

eligibility condition

Mortality RP-2000 Combined Healthy Participant Mortality Table for males

and females with mortality improvement projected using Scale AA

after 2000

Other Information:

Notes See Discussion of Valuation Results in the October 1, 2015 Actuarial

Valuation Report



SINGLE DISCOUNT RATE GASB Statement No. 67

A single discount rate of 7.50% was used to measure the total pension liability. This single discount rate was based on the expected rate of return on pension plan investments of 7.50%. The projection of cash flows used to determine this single discount rate assumed that plan member contributions will be made at the current contribution rate and that employer contributions will be made at rates equal to the difference between the total actuarially determined contribution rates and the member rate. Based on these assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments (7.50%) was applied to all periods of projected benefit payments to determine the total pension liability.

Regarding the sensitivity of the net pension liability to changes in the single discount rate, the following presents the plan's net pension liability, calculated using a single discount rate of 7.50%, as well as what the plan's net pension liability would be if it were calculated using a single discount rate that is 1-percentage-point lower or 1-percentage-point higher:

Sensitivity of the Net Pension Liability to the Single Discount Rate Assumption

	Current Single Discount									
1% Decrease	Rate Assumption	1% Increase								
6.50%	7.50%	8.50%								
\$38,678,242	\$24,504,466	\$13,203,375								





MISCELLANEOUS INFORMATION

	RECONCILIATION OF MEMBERSHIP DATA								
		From 10/1/16 To 10/1/17	From 10/1/15 To 10/1/16						
A.	Active Members								
1.	Number Included in Last Valuation	115	121						
2.	New Members Included in Current Valuation	0	2						
3.	Non-Vested Employment Terminations	(1)	(5)						
4.	Vested Employment Terminations	(2)	(2)						
5.	Service Retirements	(3)	(3)						
6.	Disability Retirements	0	0						
	Deaths	0	0						
8.	Transfer from General Employees Plan	0	2						
9.	Transfer to General Employees Plan	0	0						
	OtherData Corrections	0	0						
11.	Number Included in This Valuation	109	115						
В.	Terminated Vested Members								
1.	Number Included in Last Valuation	0	0						
2.	Additions from Active Members	2	2						
3.	Lump Sum Payments/Refund of Contributions	(2)	(2)						
4.	Payments Commenced	0	0						
5.	Deaths	0	0						
6.	OtherReturn to Actives	0	0						
7.	Number Included in This Valuation	0	0						
C.	Service Retirees, Disability Retirees and Beneficia	aries							
1.	Number Included in Last Valuation	42	39						
1. 2.	Additions from Active Members	3	39						
3.	Additions from Terminated Vested Members	0	0						
3. 4.	Deaths Resulting in No Further Payments	0	0						
4. 5.	Deaths Resulting in New Survivor Benefits	0	0						
5. 6.	End of Certain Period - No Further Payments	0	0						
7.	Other Lump Sum Distributions	0	0						
7. 8.	Number Included in This Valuation	<u> </u>	42						
٥.	Number muluueu m mis Valuation	4 5	42						



ACTIVE PARTICIPANT SCATTER

	Years of Service to Valuation Date											
Age Group	0-1	1-2	2-3	3-4	4-5	5-9	10-14	15-19	20-24	25-29	30 & Up	Totals
20-24 NO.	-	-	1	-	-	-	-	-	-	-	-	1
TOT PAY	-	-	58,113	-	-	-	-	-	-	-	-	58,113
AVG PAY	-	-	58,113	-	-	-	-	-	-	-	-	58,113
25-29 NO.	-	1	5	2	2	1	-	-	-	-	-	11
TOT PAY	-	56,455	289,944	127,086	136,758	71,014	-	-	-	-	-	681,257
AVG PAY	-	56,455	57,989	63,543	68,379	71,014	-	-	-	-	-	61,932
30-34 NO.	-	-	2	2	3	11	1	-	-	-	-	19
TOT PAY	-	-	120,465	133,152	201,098	862,162	90,165	-	-	-	-	1,407,042
AVG PAY	-	-	60,232	66,576	67,033	78,378	90,165	-	-	-	-	74,055
35-39 NO.	-	-	1	-	-	1	13	1	-	-	-	16
TOT PAY	-	-	61,718	-	-	86,568	1,188,338	103,067	-	-	-	1,439,691
AVG PAY	-	-	61,718	-	-	86,568	91,411	103,067	-	-	-	89,981
40-44 NO.	-	-	-	-	-	4	6	9	2	-	-	21
TOT PAY	-	-	-	-	-	325,829	566,083	918,752	225,164	-	-	2,035,828
AVG PAY	-	-	-	-	-	81,457	94,347	102,084	112,582	-	-	96,944
45-49 NO.	-	1	-	1	-	1	5	7	7	2	-	24
TOT PAY	-	57,684	-	91,278	-	80,786	502,437	677,959	799,161	217,535	-	2,426,840
AVG PAY	-	57,684	-	91,278	-	80,786	100,487	96,851	114,166	108,768	-	101,118
50-54 NO.	-	-	-	-	-	2	-	4	5	2	-	13
TOT PAY	-	-	-	-	-	197,285	-	373,167	529,609	200,751	-	1,300,812
AVG PAY	-	-	-	-	-	98,642	-	93,292	105,922	100,376	-	100,062
55-59 NO.	-	-	-	1	-	-	-	1	-	-	1	3
TOT PAY	-	-	-	65,601	-	-	-	102,345	-	-	109,564	277,510
AVG PAY	-	-	-	65,601	-	-	-	102,345	-	-	109,564	92,503
60 & Up NO.	-	-	-	-	-	-	-	1	-	-	-	1
TOT PAY	-	-	-	-	-	-	-	97,443	-	-	-	97,443
AVG PAY	-	-	-	-	-	-	-	97,443	-	-	-	97,443
TOT NO.	0	2	9	6	5	20	25	23	14	4	1	109
TOT NO.	0	114,139	530,240	417,117	337,856	1,623,644	2,347,023	2,272,733	1,553,934	418,286	1 109,564	
AVG AMT	0	57,070	58,916	69,520	67,571	81,182	93,881	98,814	110,995	104,572	109,564	89,216



INACTIVE PARTICIPANT DISTRIBUTION

		inated sted	Di	sabled	Re	etired		ed with ficiary	
		Total		Total		Total	Total		
Age Group	Number	Benefits	Number	Benefits	Number	Benefits	Number	Benefits	
Under 20	-	-	-	-	-	-	-	-	
20-24	-	-	-	-	-	-	-	-	
25-29	-	-	-	-	-	-	-	-	
30-34	-	-	-	-	-	-	-	-	
35-39	-	-	-	-	-	-	-	-	
40-44	-	-	-	-	1	28,854	-	-	
45-49	-	-	_	-	2	139,845	-	-	
50-54	-	-	-	-	12	860,722	-	-	
55-59	-	-	1	52,484	8	714,720	-	-	
60-64	-	-	2	75,463	11	957,308	1	28,591	
65-69	-	-	-	· -	4	293,698	-	-	
70-74	-	-	-	-	1	41,648	-	-	
75-79	-	-	1	22,457	-	-	1	89,336	
80-84	-	-	-	-	_	-	-	-	
85-89	_	-	-	_	_	-	-	-	
90-94	-	-	-	-	_	-	-	-	
95-99	-	-	_	-	_	-	-	-	
100 & Over	-	-	-	-	-	-	-	-	
Total	-	-	4	150,404	39	3,036,795	2	117,927	
Average Age		N/A		65		58		69	



SECTION **F**

SUMMARY OF PLAN PROVISIONS

SUMMARY OF PLAN PROVISIONS

A. Ordinances

The Plan was established under the Code of Ordinances for the City of North Miami, Florida, Chapter 15, Article IV, and was most recently amended under Ordinance No. 1407 passed and adopted on its second reading on December 13, 2016. The Plan is also governed by certain provisions of Chapter 185, Florida Statutes, Part VII, Chapter 112, Florida Statutes (F.S.) and the Internal Revenue Code.

B. Effective Date

January 1, 1977

C. Plan Year

October 1 through September 30

D. Type of Plan

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

E. Eligibility Requirements

All police bargaining unit members and general employees initially employed as a police officer trainee before December 1, 2016, the date the City joins the Florida Retirement System (FRS), shall be eligible for membership and shall become members of this system immediately upon being employed on a full-time permanent basis pursuant to the city's administrative rules and procedures. Effective December 1, 2016, all sworn police personnel including police administrators, who are members of this system may remain members of this system or instead may elect to join the FRS as applicable.

F. Credited Service

Service is measured as the total number of calendar years, or portions thereof, during which the member has served as an employee of the City and has made the required contributions to the Plan. No service is credited for any periods of employment for which the member received a refund of employee contributions.

G. Compensation

Total compensation including member contributions which are "picked up" by the City.



H. Average Final Compensation (AFC)

For members who did not waive the 20 and out early retirement provision, AFC is the average of Compensation over the highest 57 months out of the last 120 months of Credited Service prior to termination or retirement. For all other members, AFC is the average of Compensation over the highest 24 months out of the last 120 months of Credited Service prior to termination or retirement. AFC excludes lump sum payment of unused leave.

I. Normal Retirement

Eligibility: A member may retire on the first day of the month coincident with or next

following the earlier of:

(1) age 55 and 10 years of Credited Service, or (2) age 50 and 20 years of Credited Service.

Benefit: 1.0% of AFC multiplied by years of Credited Service prior to July 1, 1979, plus 3.0%

of AFC multiplied by years of Credited Service from July 1, 1979 through December 31, 1997, plus 3.5% of AFC multiplied by years of Credited Service earned on or

after January 1, 1998.

Normal Form

of Benefit: 10 Years Certain and Life thereafter; other options are also available.

Supplemental

Benefit: Lump sum of member contributions made through September 30, 1982, if

applicable.

COLA: Members who retire after October 1, 2004 (not due to disability) and elect an

annuity form of payment receive an annual cost of living adjustment each April 1st. These retirees may choose a 1.92% COLA with a one-year delay, a 2.50% COLA

with a three-year delay, or a 3.00% COLA with a five-year delay.

J. Early Retirement

Eligibility: Members may elect to retire earlier than the Normal Retirement Eligibility upon

attainment of age 50 with 10 years of Credited Service. Members who did not waive the 20 and out early retirement provision may elect to retire upon the

attainment of 20 years of Credited Service regardless of age.

Benefit: For members who did not waive the 20 and out early retirement provision, the

Normal Retirement Benefit is reduced by 1.0% for each year that the Early Retirement date precedes the Normal Retirement date. For all other members, the Normal Retirement Benefit is reduced by 3.0% for each year that the Early

Retirement date precedes the Normal Retirement date.

Normal Form

of Benefit: 10 Years Certain and Life thereafter; other options are also available.



Supplemental

Benefit: Lump sum of member contributions made through September 30, 1982, if

applicable.

COLA: Members who retire after October 1, 2004 (not due to disability) and elect an

annuity form of payment receive an annual cost of living adjustment each April 1st. These retirees may choose a 1.92% COLA with a one-year delay, a 2.50% COLA

with a three-year delay, or a 3.00% COLA with a five-year delay.

K. Delayed Retirement

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

L. Service Connected Disability

Eligibility: Any member who incurs a mental or physical condition resulting from injury,

disease, or mental disorder, which renders the member incapable of performing satisfactory work for the City is immediately eligible for a disability benefit.

Benefit: 75% of member's Compensation on the date of disability. The benefit will be

reduced by amounts paid from other sources to the extent that, when combined with this benefit, they exceed 100% of the rate of pay in effect at the time of the disability. The benefit shall not be less than the accrued pension, or 42% of AFC,

whichever is greater.

If a member receives a Service Connected Disability and work is available in a lower medical classification which the member is capable of performing, the member is entitled to a salary of at least 90% of the rate of pay he was receiving prior to becoming disabled. Such salary shall be paid first by the 75% disability

benefit.

Normal Form

of Benefit: Payable for life, or until recovery from disability. Other options are also available.

COLA: None

M. Non-Service Connected Disability

Eligibility: Any member who incurs a mental or physical condition resulting from injury,

disease, or mental disorder, which renders the member incapable of performing satisfactory work for the City is immediately eligible for a disability benefit.

Benefit: The member's vested accrued benefit payable at the Normal Retirement date

taking into account compensation earned and service credited on the date of disability. For members with at least ten years of credited service, the benefit shall

not be less than the accrued pension, or 25% of AFC, whichever is greater.



Normal Form

of Benefit: 10 Years Certain and Life thereafter payable at the Normal Retirement date, or an

actuarially equivalent lump sum payable immediately. Other options are also

available.

COLA: None

N. Death in the Line of Duty

Eligibility: Any member who dies while performing, directly or indirectly, services for the City

is eligible for survivor benefits regardless of Credited Service.

Benefit: 50% of the average wages paid to the member during the last 12 months of

employment shall be paid to the member's spouse. In addition, 10% of the

member's final compensation shall be paid for each child under age 18. In no event shall the total benefit exceed 100% of the member's final compensation. If the member was eligible for normal retirement, the benefit shall not be less than the

accrued pension.

Normal Form

of Benefit: Benefits payable for the life of the spouse. Children's benefits are payable until age

18. If the member was eligible for normal retirement, the benefit shall not be

payable for less than 10 years.

COLA: After October 1, 2004, beneficiaries may choose a 1.92% COLA with a one-year

delay, a 2.50% COLA with a three-year delay, or a 3.00% COLA with a five-year delay. The COLA is 3.00% per year for survivors in receipt of benefits before the

Plan's COLA was adopted on September 28, 2004.

O. Other Pre-Retirement Death

Eligibility: Any vested member who dies while employed by the City is eligible for survivor

benefits.

Benefit: The actuarial equivalent of the vested accrued benefit plus the Member's pre-

October 1, 1982 contributions shall be paid to the beneficiaries.

Normal Form

of Benefit: Lump sum

COLA: After October 1, 2004, beneficiaries may choose a 1.92% COLA with a one-year

delay, a 2.50% COLA with a three-year delay, or a 3.00% COLA with a five-year

delay.

The designated beneficiary of a plan member with less than 5 years of Credited Service will receive a refund of the member's accumulated contributions with interest.



P. Post Retirement Death

Benefit determined by the form of benefit elected upon retirement.

Q. Optional Forms

In lieu of electing the Normal Form of benefit, the optional forms of benefits available to all retirees are the Straight Life Annuity option, the 50%, 67%, 75%, and 100% Joint and Survivor options, or the 5 and 10 Years Certain and Life options. A Social Security option is also available for members retiring prior to the time they are eligible for Social Security retirement benefits if they are not retiring under Disability Retirement.

Alternatively, members can elect a partial lump sum with the remaining value of the benefit paid as a monthly annuity. A total lump sum distribution is also available for those who became members of the Plan prior to October 1, 2004.

R. Vested Termination

Eligibility: A member has earned a non-forfeitable right to Plan benefits after the completion of 5 years of Credited Service (see vesting table below).

Credited Service	Vested Percent	
Less than 5	0%	
5	25	
6	40	
7	55	
8	70	
9	85	
10 or more	100	

Benefit: The benefit is the member's vested accrued Normal Retirement Benefit as of the

date of termination. Benefit begins at the member's Early or Normal Retirement

date and will be reduced for Early Retirement if applicable.

Normal Form

of Benefit: 10 Years Certain and Life thereafter; other options are also available. In lieu

thereof, the Board may elect to make an immediate lump sum payment of the

actuarially equivalent benefit.

COLA: Members who retire after October 1, 2004 (not due to disability) and elect an

annuity form of payment receive an annual cost of living adjustment each April 1st. These retirees may choose a 1.92% COLA with a one-year delay, a 2.50%

COLA with a three-year delay, or a 3.00% COLA with a five-year delay.

Members terminating employment with less than 5 years of Credited Service will receive a refund of their own accumulated contributions with interest.



S. Refunds

Eligibility: All members terminating employment with less than 5 years of Credited Service

are eligible. Optionally, vested members (those with 5 or more years of Credited

Service) may elect a refund in lieu of the vested benefits otherwise due.

Benefit: A refund of the member's contributions with interest.

T. Member Contributions

11.51% of Compensation; and if the market value return for the fiscal year is more than 30% greater than the investment return assumption, the member contribution rate for the following year is reduced to 9.51% of Compensation.

U. State Contribution

Chapter 185 Premium Tax refunds. The City and Police Benevolent Association have mutually agreed that the first \$82,682 of Chapter 185 revenue will be used to offset the City's required contribution, the next \$147,586 of Chapter 185 will be allocated to the Share Plan, and any excess Chapter 185 revenue above \$230,268 will be designated as unallocated and held in reserve as an accumulated excess.

V. Employer Contribution

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

W. Cost of Living Increases

Members who retire after October 1, 2004 (not due to disability) and elect an annuity form of payment receive an annual cost of living adjustment each April 1st. These retirees may choose a 1.92% COLA with a one-year delay, a 2.50% COLA with a three-year delay, or a 3.00% COLA with a five-year delay.

X. 13th Check

Not Applicable

Y. Deferred Retirement Option Plan (DROP)

Not Applicable

Z. Other Ancillary Benefits

There are no ancillary retirement type benefits not required by statutes but which might be deemed a North Miami Police Pension Plan liability if continued beyond the availability of funding by the current funding source.



AA.	Changes	from	Previous	Valuation

None

