

**CITY OF NORTH MIAMI CLAIR T. SINGERMAN
EMPLOYEES RETIREMENT SYSTEM**

Chapter 112.664, F.S. Compliance Report

In Connection with the October 1, 2016 Funding Actuarial Valuation Report
And the Plan's Financial Reporting for the Year Ending September 30, 2016

July 7, 2017

Board of Trustees
Clair T. Singerman Employees Retirement System
North Miami, Florida

Dear Board Members:

Gabriel, Roeder, Smith & Company (GRS) has been engaged by the City of North Miami Clair T. Singerman Employees Retirement System (Plan) to prepare a disclosure report to satisfy the requirements set forth in Ch. 112.664, F.S. and as further required pursuant to Ch. 60T-1.0035, F.A.C.

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.

The purpose of the report is to provide the required information specified in Ch. 112.664, F.S. as well as supplement this information with additional exhibits. This report should not be relied on for any purpose other than the purpose described above.

The findings in this report are based on data or other information through September 30, 2016. 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 this engagement does not include an analysis of the potential range of such measurements.

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

Except as otherwise indicated as required for the disclosures contained herein, this report was prepared using certain assumptions selected by the Board as described in our October 1, 2016 actuarial valuation report. This report is also based on the Plan Provisions, census data, and financial information as summarized in our October 1, 2016 actuarial valuation report. Please refer to the October 1, 2016 actuarial valuation report, dated May 16, 2017, for summaries and descriptions of this information.

The use of an investment return assumption that is 2% higher than the investment return assumption used to determine the funding requirements does not represent an estimate of future Plan experience nor does it reflect an observation of future return estimates inherent in financial market data. The use of this investment return assumption is provided as a counterpart to the Chapter 112.664, Florida Statutes requirement to utilize an investment return assumption that is 2% lower than the assumption used to determine the funding requirements. The inclusion of the additional exhibits showing the effect of using a 2% higher investment return assumption shows a more complete assessment of the range of possible results as opposed to showing a one-sided range as required by Florida Statutes.

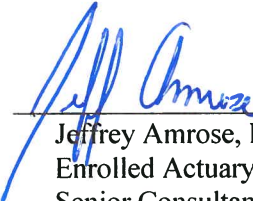
Jeffrey Amrose and Trisha Amrose are members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein. The signing actuaries are independent of the plan sponsor.

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

With respect to the reporting standards for defined benefit retirement plans or systems contained in Section 112.664(1) F.S., the actuarial disclosures required under this section were prepared and completed by me or under my direct supervision, and I acknowledge responsibility for the results. To the best of my knowledge, the results are complete and accurate, and in my opinion, meet the requirements of Section 112.664(1), F.S. and Section 60T-1.0035, F.A.C.

Respectfully submitted,

GABRIEL, ROEDER, SMITH AND COMPANY

By 
Jeffrey Amrose, MAAA
Enrolled Actuary No. 17-6599
Senior Consultant & Actuary

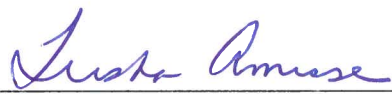
By 
Trisha Amrose, MAAA
Enrolled Actuary No. 17-8010
Consultant & Actuary

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RESULTS

**Schedule of Changes in the Employers' Net Pension Liability
Using Financial Reporting Assumptions per GASB Statement No. 67**

Fiscal year ending September 30,	<u>2016</u>
1. Total pension liability	
a. Service Cost	\$ 2,659,600
b. Interest	9,099,037
c. Benefit Changes	(6,839,780)
d. Difference between actual & expected experience & Other	(1,264,728)
e. Assumption Changes	-
f. Benefit Payments	(7,034,144)
g. Contribution Refunds	(190,942)
h. Net Change in Total Pension Liability	(3,570,957)
i. Total Pension Liability - Beginning	122,273,439
j. Total Pension Liability - Ending	<u>\$ 118,702,482</u>
 2. Plan Fiduciary Net Position	
a. Contributions - City and County	\$ 5,993,388
b. Contributions - State	1,423
c. Contributions - Member	920,667
d. Net Investment Income	11,084,389
e. Benefit Payments	(7,034,144)
f. Contribution Refunds	(190,942)
g. Administrative Expense	(250,675)
h. Other	-
i. Net Change in Plan Fiduciary Net Position	10,524,106
j. Plan Fiduciary Net Position - Beginning	97,820,173
k. Plan Fiduciary Net Position - Ending	<u>\$ 108,344,279</u>
 3. Net Pension Liability / (Asset)	10,358,203
 Certain Key Assumptions	
Valuation Date	10/01/2015
Measurement Date	09/30/2016
Investment Return Assumption	7.50%
Mortality Table	RP-2000 fully generational using Scale AA

**Schedule of Changes in the Employers' Net Pension Liability
Using Assumptions required under 112.664(1)(a), F.S.**

Fiscal year ending September 30,	<u>2016</u>
1. Total pension liability	
a. Service Cost	\$ 2,659,600
b. Interest	9,099,037
c. Benefit Changes	(6,839,780)
d. Difference between actual & expected experience & Other	(1,264,728)
e. Assumption Changes	-
f. Benefit Payments	(7,034,144)
g. Contribution Refunds	(190,942)
h. Net Change in Total Pension Liability	(3,570,957)
i. Total Pension Liability - Beginning	122,273,439
j. Total Pension Liability - Ending	<u>\$ 118,702,482</u>
2. Plan Fiduciary Net Position	
a. Contributions - City and County	\$ 5,993,388
b. Contributions - State	1,423
c. Contributions - Member	920,667
d. Net Investment Income	11,084,389
e. Benefit Payments	(7,034,144)
f. Contribution Refunds	(190,942)
g. Administrative Expense	(250,675)
h. Other	-
i. Net Change in Plan Fiduciary Net Position	10,524,106
j. Plan Fiduciary Net Position - Beginning	97,820,173
k. Plan Fiduciary Net Position - Ending	<u>\$ 108,344,279</u>
3. Net Pension Liability / (Asset)	10,358,203
Certain Key Assumptions	
Valuation Date	10/01/2015
Measurement Date	09/30/2016
Investment Return Assumption	7.50%
Mortality Table	RP-2000 fully generational using Scale AA

**Schedule of Changes in the Employers' Net Pension Liability
Using Assumptions required under 112.664(1)(b), F.S.**

Fiscal year ending September 30,	<u>2016</u>
1. Total pension liability	
a. Service Cost	\$ 2,978,969
b. Interest	8,012,217
c. Benefit Changes	-
d. Difference between actual & expected experience & Other	1,423
e. Assumption Changes	-
f. Benefit Payments	(7,034,144)
g. Contribution Refunds	(190,942)
h. Net Change in Total Pension Liability	<u>3,767,523</u>
i. Total Pension Liability - Beginning	<u>146,310,246</u>
j. Total Pension Liability - Ending	<u><u>\$ 150,077,769</u></u>
2. Plan Fiduciary Net Position	
a. Contributions - City and County	\$ 5,993,388
b. Contributions - State	1,423
c. Contributions - Member	920,667
d. Net Investment Income	11,084,389
e. Benefit Payments	(7,034,144)
f. Contribution Refunds	(190,942)
g. Administrative Expense	(250,675)
h. Other	-
i. Net Change in Plan Fiduciary Net Position	<u>10,524,106</u>
j. Plan Fiduciary Net Position - Beginning	<u>97,820,173</u>
k. Plan Fiduciary Net Position - Ending	<u><u>\$ 108,344,279</u></u>
3. Net Pension Liability / (Asset)	41,733,490
Certain Key Assumptions	
Valuation Date	10/01/2015
Measurement Date	09/30/2016
Investment Return Assumption	5.50%
Mortality Table	RP-2000 fully generational using Scale AA

Schedule of Changes in the Employers' Net Pension Liability
Using Assumptions under 112.664(1)(b), F.S. except 2% higher investment return assumption

Fiscal year ending September 30,	<u>2016</u>
1. Total pension liability	
a. Service Cost	\$ 1,384,218
b. Interest	8,716,019
c. Benefit Changes	-
d. Difference between actual & expected experience & Other	1,423
e. Assumption Changes	-
f. Benefit Payments	(7,034,144)
g. Contribution Refunds	(190,942)
h. Net Change in Total Pension Liability	<u>2,876,574</u>
i. Total Pension Liability - Beginning	<u>93,975,896</u>
j. Total Pension Liability - Ending	<u><u>\$ 96,852,470</u></u>
 2. Plan Fiduciary Net Position	
a. Contributions - City and County	\$ 5,993,388
b. Contributions - State	1,423
c. Contributions - Member	920,667
d. Net Investment Income	11,084,389
e. Benefit Payments	(7,034,144)
f. Contribution Refunds	(190,942)
g. Administrative Expense	(250,675)
h. Other	-
i. Net Change in Plan Fiduciary Net Position	<u>10,524,106</u>
j. Plan Fiduciary Net Position - Beginning	<u>97,820,173</u>
k. Plan Fiduciary Net Position - Ending	<u><u>\$ 108,344,279</u></u>
 3. Net Pension Liability / (Asset)	 (11,491,809)
 Certain Key Assumptions	
Valuation Date	10/01/2015
Measurement Date	09/30/2016
Investment Return Assumption	9.50%
Mortality Table	RP-2000 fully generational using Scale AA

Asset and Benefit Payment Projection
Not Reflecting Any Contributions from the Employer, State or Employee
Using Assumptions per the Plan's latest Actuarial Valuation

FYE	Market Value of Assets (BOY)	Expected Investment Return	Projected Benefit Payments	Market Value of Assets (EOY)
2017	108,259,843	7,378,035	7,213,742	108,424,136
2018	108,424,136	7,375,159	7,623,896	108,175,399
2019	108,175,399	7,349,186	7,863,241	107,661,344
2020	107,661,344	7,305,773	8,066,706	106,900,411
2021	106,900,411	7,245,449	8,256,164	105,889,696
2022	105,889,696	7,167,082	8,457,926	104,598,852
2023	104,598,852	7,069,249	8,651,629	103,016,472
2024	103,016,472	6,952,955	8,785,988	101,183,439
2025	101,183,439	6,818,858	8,924,109	99,078,188
2026	99,078,188	6,665,906	9,052,672	96,691,422
2027	96,691,422	6,493,217	9,178,104	94,006,535
2028	94,006,535	6,300,167	9,284,924	91,021,778
2029	91,021,778	6,087,062	9,360,945	87,747,895
2030	87,747,895	5,854,184	9,419,646	84,182,433
2031	84,182,433	5,601,767	9,449,502	80,334,698
2032	80,334,698	5,329,821	9,468,813	76,195,706
2033	76,195,706	5,038,078	9,467,226	71,766,558
2034	71,766,558	4,726,366	9,451,812	67,041,112
2035	67,041,112	4,393,971	9,430,575	62,004,508
2036	62,004,508	4,040,282	9,391,077	56,653,713
2037	56,653,713	3,665,343	9,326,069	50,992,987
2038	50,992,987	3,269,274	9,240,619	45,021,642
2039	45,021,642	2,852,054	9,133,942	38,739,754
2040	38,739,754	2,413,618	9,008,074	32,145,298
2041	32,145,298	1,953,747	8,865,142	25,233,903
2042	25,233,903	1,472,414	8,697,187	18,009,130
2043	18,009,130	969,590	8,512,161	10,466,559
2044	10,466,559	445,399	8,297,677	2,614,281
2045	2,614,281	-	8,073,524	-

Number of years for which current market value of assets are adequate to sustain the payment of expected retirement benefits, reflecting no contributions from the Employer, Employee or State, contrary to Florida Statutes and Plan provisions:

28.33

Certain Key Assumptions

Valuation Investment return assumption

7.05%

Valuation Mortality Table

FRS Mortality Rates from 7/1/16 FRS Valuation

Note: As required in Section 112.664(c) of the Florida Statutes, the projection of the Fund assets do not include contributions from the Employer, Employee or State, which is contrary to Florida Statutes and Plan provisions. For this reason, these projections should not be viewed as a representation of the amount of time the Fund can sustain benefit payments. Under the GASB standards which DO include contributions from the employer, employee and State, the Fund is expected to be able to sustain the benefit payment demands in the near-term and long-term future.

Asset and Benefit Payment Projection
Not Reflecting Any Contributions from the Employer, State or Employee
Using Assumptions required under 112.664(1)(a), F.S.

FYE	Market Value of Assets (BOY)	Expected Investment Return	Projected Benefit Payments	Market Value of Assets (EOY)
2017	108,259,843	7,378,035	7,213,742	108,424,136
2018	108,424,136	7,375,159	7,623,896	108,175,399
2019	108,175,399	7,349,186	7,863,241	107,661,344
2020	107,661,344	7,305,773	8,066,706	106,900,411
2021	106,900,411	7,245,449	8,256,164	105,889,696
2022	105,889,696	7,167,082	8,457,926	104,598,852
2023	104,598,852	7,069,249	8,651,629	103,016,472
2024	103,016,472	6,952,955	8,785,988	101,183,439
2025	101,183,439	6,818,858	8,924,109	99,078,188
2026	99,078,188	6,665,906	9,052,672	96,691,422
2027	96,691,422	6,493,217	9,178,104	94,006,535
2028	94,006,535	6,300,167	9,284,924	91,021,778
2029	91,021,778	6,087,062	9,360,945	87,747,895
2030	87,747,895	5,854,184	9,419,646	84,182,433
2031	84,182,433	5,601,767	9,449,502	80,334,698
2032	80,334,698	5,329,821	9,468,813	76,195,706
2033	76,195,706	5,038,078	9,467,226	71,766,558
2034	71,766,558	4,726,366	9,451,812	67,041,112
2035	67,041,112	4,393,971	9,430,575	62,004,508
2036	62,004,508	4,040,282	9,391,077	56,653,713
2037	56,653,713	3,665,343	9,326,069	50,992,987
2038	50,992,987	3,269,274	9,240,619	45,021,642
2039	45,021,642	2,852,054	9,133,942	38,739,754
2040	38,739,754	2,413,618	9,008,074	32,145,298
2041	32,145,298	1,953,747	8,865,142	25,233,903
2042	25,233,903	1,472,414	8,697,187	18,009,130
2043	18,009,130	969,590	8,512,161	10,466,559
2044	10,466,559	445,399	8,297,677	2,614,281
2045	2,614,281	-	8,073,524	-

Number of years for which current market value of assets are adequate to sustain the payment of expected retirement benefits, reflecting no contributions from the Employer, Employee or State, contrary to Florida Statutes and Plan provisions:

28.33

Certain Key Assumptions

Valuation Investment return assumption

7.05%

Valuation Mortality Table

FRS Mortality Rates from 7/1/16 FRS Valuation

Note: As required in Section 112.664(c) of the Florida Statutes, the projection of the Fund assets do not include contributions from the Employer, Employee or State, which is contrary to Florida Statutes and Plan provisions. For this reason, these projections should not be viewed as a representation of the amount of time the Fund can sustain benefit payments. Under the GASB standards which DO include contributions from the employer, employee and State, the Fund is expected to be able to sustain the benefit payment demands in the near-term and long-term future.

Asset and Benefit Payment Projection
Not Reflecting Any Contributions from the Employer, State or Employee
Using Assumptions required under 112.664(1)(b), F.S.

FYE	Market Value of Assets (BOY)	Expected Investment Return	Projected Benefit Payments	Market Value of Assets (EOY)
2017	108,259,843	5,284,975	7,213,742	106,331,076
2018	106,331,076	5,177,216	7,623,896	103,884,396
2019	103,884,396	5,047,615	7,863,241	101,068,770
2020	101,068,770	4,900,289	8,066,706	97,902,353
2021	97,902,353	4,735,601	8,256,164	94,381,790
2022	94,381,790	4,552,718	8,457,926	90,476,582
2023	90,476,582	4,350,614	8,651,629	86,175,567
2024	86,175,567	4,130,020	8,785,988	81,519,599
2025	81,519,599	3,891,406	8,924,109	76,486,896
2026	76,486,896	3,634,008	9,052,672	71,068,232
2027	71,068,232	3,357,199	9,178,104	65,247,327
2028	65,247,327	3,060,546	9,284,924	59,022,949
2029	59,022,949	2,744,295	9,360,945	52,406,299
2030	52,406,299	2,408,672	9,419,646	45,395,325
2031	45,395,325	2,053,864	9,449,502	37,999,687
2032	37,999,687	1,679,897	9,468,813	30,210,771
2033	30,210,771	1,286,596	9,467,226	22,030,141
2034	22,030,141	873,864	9,451,812	13,452,193
2035	13,452,193	441,214	9,430,575	4,462,832
2036	4,462,832	-	9,391,077	-
2037	-	-	9,326,069	-
2038	-	-	9,240,619	-
2039	-	-	9,133,942	-
2040	-	-	9,008,074	-
2041	-	-	8,865,142	-
2042	-	-	8,697,187	-

Number of years for which current market value of assets are adequate to sustain the payment of expected retirement benefits, **reflecting no contributions from the Employer, Employee or State, contrary to Florida Statutes and Plan provisions:**

19.50

Certain Key Assumptions

Valuation Investment return assumption

5.05%

Valuation Mortality Table

FRS Mortality Rates from 7/1/16 FRS Valuation

Note: As required in Section 112.664(c) of the Florida Statutes, the projection of the Fund assets do not include contributions from the Employer, Employee or State, which is contrary to Florida Statutes and Plan provisions. For this reason, these projections should not be viewed as a representation of the amount of time the Fund can sustain benefit payments. Under the GASB standards which DO include contributions from the employer, employee and State, the Fund is expected to be able to sustain the benefit payment demands in the near-term and long-term future.

Asset and Benefit Payment Projection
Not Reflecting Any Contributions from the Employer, State or Employee
Using Assumptions under 112.664(1)(b), F.S. except 2% higher investment return assumption

FYE	Market Value of Assets (BOY)	Expected Investment Return	Projected Benefit Payments	Market Value of Assets (EOY)
2017	108,259,843	9,471,094	7,213,742	110,517,195
2018	110,517,195	9,656,825	7,623,896	112,550,124
2019	112,550,124	9,829,975	7,863,241	114,516,858
2020	114,516,858	9,998,757	8,066,706	116,448,909
2021	116,448,909	10,165,035	8,256,164	118,357,780
2022	118,357,780	10,328,658	8,457,926	120,228,512
2023	120,228,512	10,489,194	8,651,629	122,066,077
2024	122,066,077	10,649,414	8,785,988	123,929,503
2025	123,929,503	10,811,804	8,924,109	125,817,198
2026	125,817,198	10,976,823	9,052,672	127,741,349
2027	127,741,349	11,145,283	9,178,104	129,708,528
2028	129,708,528	11,318,479	9,284,924	131,742,083
2029	131,742,083	11,499,076	9,360,945	133,880,214
2030	133,880,214	11,689,920	9,419,646	136,150,488
2031	136,150,488	11,894,029	9,449,502	138,595,015
2032	138,595,015	12,114,385	9,468,813	141,240,587
2033	141,240,587	12,353,881	9,467,226	144,127,242
2034	144,127,242	12,615,821	9,451,812	147,291,251
2035	147,291,251	12,903,125	9,430,575	150,763,801
2036	150,763,801	13,219,178	9,391,077	154,591,902
2037	154,591,902	13,568,563	9,326,069	158,834,396
2038	158,834,396	13,956,375	9,240,619	163,550,152
2039	163,550,152	14,387,978	9,133,942	168,804,188
2040	168,804,188	14,869,164	9,008,074	174,665,278
2041	174,665,278	15,406,060	8,865,142	181,206,196
2042	181,206,196	16,005,613	8,697,187	188,514,622

Number of years for which current market value of assets are adequate to sustain the payment of expected retirement benefits, **reflecting no contributions from the Employer, Employee or State, contrary to Florida Statutes and Plan provisions:**

N/A

Certain Key Assumptions

Valuation Investment return assumption

9.05%

Valuation Mortality Table

FRS Mortality Rates from 7/1/16 FRS Valuation

Note: As required in Section 112.664(c) of the Florida Statutes, the projection of the Fund assets do not include contributions from the Employer, Employee or State, which is contrary to Florida Statutes and Plan provisions. For this reason, these projections should not be viewed as a representation of the amount of time the Fund can sustain benefit payments. Under the GASB standards which DO include contributions from the employer, employee and State, the Fund is expected to be able to sustain the benefit payment demands in the near-term and long-term future.

ACTUARIALLY DETERMINED CONTRIBUTION - ALL EMPLOYEES				
	Plan's Latest Actuarial Valuation Assumptions	112.664(1)(a) F.S. Assumptions	112.664(1)(b) F.S. Assumptions	112.664(1)(b) F.S. except 2% higher investment return assumption
A. Valuation Date	October 1, 2016	October 1, 2016	October 1, 2016	October 1, 2016
B. Actuarially Determined Contribution (ADC) to Be Paid During Fiscal Year Ending	9/30/2018	9/30/2018	9/30/2018	9/30/2018
C. Assumed Dates of Employer Contributions	10/1/2017	10/1/2017	10/1/2017	10/1/2017
D. Annual Payment to Amortize Unfunded Actuarial Liability	\$ 3,796,830	\$ 3,796,830	\$ 6,454,308	\$ 1,439,984
E. Employer Normal Cost	1,183,080	1,183,080	2,257,198	594,063
F. Employer ADC if Paid on Valuation Date: D + E	4,979,910	4,979,910	8,711,506	2,034,047
G. Employer ADC Adjusted for Frequency of Payments	5,330,992	5,330,992	9,151,437	2,218,128
H. Employer ADC Adjusted for Frequency of Payments as % of Covered Payroll	45.05 %	45.05 %	77.33 %	18.74 %
I. Assumed Rate of Increase in Covered Payroll to Contribution Year	0.00 %	0.00 %	0.00 %	0.00 %
J. Covered Payroll for Contribution Year	11,834,735	11,834,735	11,834,735	11,834,735
K. Employer ADC for Contribution Year: H x J	5,330,992	5,330,992	9,151,437	2,218,128
L. Allowable Credit for State Revenue in Contribution Year	0	0	0	0
M. Net Employer ADC After State Revenue in Contribution Year	5,330,992	5,330,992	9,151,437	2,218,128
N. Net Employer ADC as % of Covered Payroll in Contribution Year: M ÷ J	45.05 %	45.05 %	77.33 %	18.74 %
O. Expected Member Contributions	797,859	797,859	797,859	797,859
P. Total Contribution (including Members) in Contributing Year: K + O	6,128,851	6,128,851	9,949,296	3,015,987
Q. Total Contribution as a % of covered payroll in Contribution Year: P ÷ J	51.79 %	51.79 %	84.07 %	25.48 %
R. Certain Key Assumptions				
Investment Return Assumption	7.05%	7.05%	5.05%	9.05%
Mortality Table	FRS Mortality Rates from 7/1/16 FRS Valuation	FRS Mortality Rates from 7/1/16 FRS Valuation	FRS Mortality Rates from 7/1/16 FRS Valuation	FRS Mortality Rates from 7/1/16 FRS Valuation