

Miami Department of Off-Street Parking Retirement Plan

Chapter 112.664, F.S. Compliance Report

In Connection with the October 1, 2017 Funding Actuarial Valuation Report
And the Plan's Financial Reporting for the Year Ending September 30, 2017





February 21, 2018

Mr. Scott Simpson
Chief Financial Officer
Miami Parking Authority
40 NW 3rd Street
Suite 103
Miami, FL 33128

Dear Mr. Simpson:

Gabriel, Roeder, Smith & Company (GRS) has been engaged by the Miami Department of Off-Street Parking ("Miami Parking Authority" or "Authority") Retirement Plan ("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 of Trustees ("Board") and is intended for use by the Plan and those designated or approved by the Board. This report may be provided to parties other than the Plan only in its entirety and only with the permission of the Board. GRS is not responsible for unauthorized use of this report.

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 October 1, 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 this engagement does not include an analysis of the potential range of such measurements.

This report was based upon information furnished by the Miami Parking Authority 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 audit the data. We are not responsible for the accuracy or completeness of the information provided by the Authority.

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, 2017 actuarial valuation report. This report is also based on the plan provisions, census data, and financial information as summarized in our October 1, 2017 actuarial valuation report. Please refer to the October 1, 2017 actuarial valuation report, dated December 28, 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 companion 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.

Piotr Krekora and Nicolas Lahaye 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 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 us or under our direct supervision, and we acknowledge responsibility for the results. To the best of our knowledge, the results are complete and accurate, and in our 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 _____
Piotr Krekora, ASA, EA, MAAA, FCA
Enrolled Actuary No. 17-08432
Consultant & Actuary



By _____
Nicolas Lahaye, FSA, EA, MAAA, FCA
Enrolled Actuary No. 17-07775
Consultant & Actuary

TABLE OF CONTENTS

<u>Title</u>	<u>Page</u>
Ch. 112.664, F.S. Results	
Schedule of Changes in Net Pension Liability	
1. Using financial reporting assumptions per GASB Statement No. 67	1
2. Using assumptions prescribed in Section 112.664(1)(a), F.S.	2
3. Using assumptions prescribed in Section 112.664(1)(b), F.S.	3
4. Using the mandated mortality and funding interest rate +2%	4
Assets Versus Benefit Payments Projections	
1. Using assumptions from the Plan's latest Actuarial Valuation	5
2. Using assumptions prescribed in Section 112.664(1)(a), F.S.	6
3. Using assumptions prescribed in Section 112.664(1)(b), F.S.	7
4. Using the mandated mortality and funding interest rate +2%	8
Actuarially Determined Contribution	9

CH. 112.664, FLORIDA STATUTES

RESULTS

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

Fiscal year ending September 30,

1. Total Pension Liability

	<u>2017</u>
a. Service Cost	\$ 521,324
b. Interest	1,024,819
c. Benefit Changes	-
d. Difference between actual & expected experience & Other	491,995
e. Assumption Changes	17,167
f. Benefit Payments	(501,638)
g. Contribution Refunds	(206,705)
h. Net Change in Total Pension Liability	<u>1,346,962</u>
i. Total Pension Liability - Beginning	<u>16,229,956</u>
j. Total Pension Liability - Ending	<u>\$ 17,576,918</u>

2. Plan Fiduciary Net Position

a. Contributions - Employer	\$ 321,190
b. Contributions - Employer (From State)	-
c. Contributions - Member	218,494
d. Net Investment Income	2,226,111
e. Benefit Payments	(501,638)
f. Contribution Refunds	(206,705)
g. Administrative Expense	(27,026)
h. Other	-
i. Net Change in Plan Fiduciary Net Position	<u>2,030,426</u>
j. Plan Fiduciary Net Position - Beginning	<u>16,699,438</u>
k. Plan Fiduciary Net Position - Ending	<u>\$ 18,729,864</u>

3. Net Pension Liability / (Asset) (1,152,946)

Certain Key Assumptions

Valuation Date	10/1/2016
Measurement Date	9/30/2017
Investment Return Assumption	6.25%
Mortality Table	FRS - Regular Class - Generational using Scale BB

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

Fiscal year ending September 30,

1. Total Pension Liability

	<u>2017</u>
a. Service Cost	\$ 524,430
b. Interest	1,054,770
c. Benefit Changes	-
d. Difference between actual & expected experience & Other	-
e. Assumption Changes	-
f. Benefit Payments	(501,638)
g. Contribution Refunds	(206,705)
h. Net Change in Total Pension Liability	<u>870,857</u>
i. Total Pension Liability - Beginning	<u>16,706,061</u>
j. Total Pension Liability - Ending	<u>\$ 17,576,918</u>

2. Plan Fiduciary Net Position

a. Contributions - Employer	\$ 321,190
b. Contributions - Employer (From State)	-
c. Contributions - Member	218,494
d. Net Investment Income	2,226,111
e. Benefit Payments	(501,638)
f. Contribution Refunds	(206,705)
g. Administrative Expense	(27,026)
h. Other	-
i. Net Change in Plan Fiduciary Net Position	<u>2,030,426</u>
j. Plan Fiduciary Net Position - Beginning	<u>16,699,438</u>
k. Plan Fiduciary Net Position - Ending	<u>\$ 18,729,864</u>

3. Net Pension Liability / (Asset) (1,152,946)

Certain Key Assumptions

Valuation Date	10/1/2016
Measurement Date	9/30/2017
Investment Return Assumption	6.25%
Mortality Table	FRS - Regular Class - Generational using Scale BB

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

Fiscal year ending September 30,

1. Total Pension Liability

	<u>2017</u>
a. Service Cost	\$ 665,074
b. Interest	873,718
c. Benefit Changes	-
d. Difference between actual & expected experience & Other	-
e. Assumption Changes	-
f. Benefit Payments	(501,638)
g. Contribution Refunds	(206,705)
h. Net Change in Total Pension Liability	<u>830,449</u>
i. Total Pension Liability - Beginning	<u>20,247,166</u>
j. Total Pension Liability - Ending	<u>\$ 21,077,615</u>

2. Plan Fiduciary Net Position

a. Contributions - Employer	\$ 321,190
b. Contributions - Employer (From State)	-
c. Contributions - Member	218,494
d. Net Investment Income	2,226,111
e. Benefit Payments	(501,638)
f. Contribution Refunds	(206,705)
g. Administrative Expense	(27,026)
h. Other	-
i. Net Change in Plan Fiduciary Net Position	<u>2,030,426</u>
j. Plan Fiduciary Net Position - Beginning	<u>16,699,438</u>
k. Plan Fiduciary Net Position - Ending	<u>\$ 18,729,864</u>

3. Net Pension Liability / (Asset) 2,347,751

Certain Key Assumptions

Valuation Date	10/1/2016
Measurement Date	9/30/2017
Investment Return Assumption	4.25%
Mortality Table	FRS - Regular Class - Generational using Scale BB

Schedule of Changes in the Employer's Net Pension Liability

Using Assumptions under 112.664(1)(b), F.S. except 2% higher investment return assumption

Fiscal year ending September 30,	<u>2017</u>
1. Total Pension Liability	
a. Service Cost	\$ 426,546
b. Interest	1,172,952
c. Benefit Changes	-
d. Difference between actual & expected experience & Other	-
e. Assumption Changes	-
f. Benefit Payments	(501,638)
g. Contribution Refunds	(206,705)
h. Net Change in Total Pension Liability	<u>891,155</u>
i. Total Pension Liability - Beginning	<u>14,145,231</u>
j. Total Pension Liability - Ending	<u>\$ 15,036,386</u>
2. Plan Fiduciary Net Position	
a. Contributions - Employer	\$ 321,190
b. Contributions - Employer (From State)	-
c. Contributions - Member	218,494
d. Net Investment Income	2,226,111
e. Benefit Payments	(501,638)
f. Contribution Refunds	(206,705)
g. Administrative Expense	(27,026)
h. Other	-
i. Net Change in Plan Fiduciary Net Position	<u>2,030,426</u>
j. Plan Fiduciary Net Position - Beginning	<u>16,699,438</u>
k. Plan Fiduciary Net Position - Ending	<u>\$ 18,729,864</u>
3. Net Pension Liability / (Asset)	(3,693,478)

Certain Key Assumptions

Valuation Date	10/1/2016
Measurement Date	9/30/2017
Investment Return Assumption	8.25%
Mortality Table	FRS - Regular Class - Generational using Scale BB

Asset and Benefit Payment Projection
Not Reflecting Any Contributions from the Employer, State or Employee
Using Assumptions from Plan's most recent actuarial valuation

FYE	Market Value of Assets (BOY)	Expected Investment Return	Projected Benefit Payments	Market Value of Assets (EOY)
2018	\$ 18,729,864	\$ 1,123,912	\$ 1,494,535	\$ 18,359,241
2019	18,359,241	1,101,664	1,465,231	17,995,674
2020	17,995,674	1,079,902	1,434,491	17,641,085
2021	17,641,085	1,059,671	1,372,714	17,328,042
2022	17,328,042	1,041,920	1,314,644	17,055,318
2023	17,055,318	1,025,974	1,279,453	16,801,839
2024	16,801,839	1,008,757	1,323,470	16,487,126
2025	16,487,126	988,688	1,336,252	16,139,562
2026	16,139,562	967,427	1,321,451	15,785,538
2027	15,785,538	947,034	1,265,994	15,466,578
2028	15,466,578	929,014	1,204,699	15,190,893
2029	15,190,893	911,902	1,200,917	14,901,878
2030	14,901,878	893,615	1,208,088	14,587,405
2031	14,587,405	875,770	1,150,173	14,313,002
2032	14,313,002	858,678	1,148,293	14,023,387
2033	14,023,387	841,155	1,129,829	13,734,713
2034	13,734,713	826,599	1,018,263	13,543,049
2035	13,543,049	816,525	957,310	13,402,264
2036	13,402,264	809,755	892,383	13,319,636
2037	13,319,636	808,090	780,398	13,347,328
2038	13,347,328	810,988	743,042	13,415,274
2039	13,415,274	816,206	711,945	13,519,535
2040	13,519,535	823,450	688,682	13,654,303
2041	13,654,303	832,973	653,464	13,833,812
2042	13,833,812	845,288	618,412	14,060,688
2043	14,060,688	860,561	583,437	14,337,812
2044	14,337,812	878,893	551,040	14,665,665

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:** All future years

Certain Key Assumptions

Valuation Investment return assumption 6.25%
 Valuation Mortality Table FRS - Regular Class - Generational using Scale BB

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)
2018	\$ 18,729,864	\$ 1,123,912	\$ 1,494,535	\$ 18,359,241
2019	18,359,241	1,101,664	1,465,231	17,995,674
2020	17,995,674	1,079,902	1,434,491	17,641,085
2021	17,641,085	1,059,671	1,372,714	17,328,042
2022	17,328,042	1,041,920	1,314,644	17,055,318
2023	17,055,318	1,025,974	1,279,453	16,801,839
2024	16,801,839	1,008,757	1,323,470	16,487,126
2025	16,487,126	988,688	1,336,252	16,139,562
2026	16,139,562	967,427	1,321,451	15,785,538
2027	15,785,538	947,034	1,265,994	15,466,578
2028	15,466,578	929,014	1,204,699	15,190,893
2029	15,190,893	911,902	1,200,917	14,901,878
2030	14,901,878	893,615	1,208,088	14,587,405
2031	14,587,405	875,770	1,150,173	14,313,002
2032	14,313,002	858,678	1,148,293	14,023,387
2033	14,023,387	841,155	1,129,829	13,734,713
2034	13,734,713	826,599	1,018,263	13,543,049
2035	13,543,049	816,525	957,310	13,402,264
2036	13,402,264	809,755	892,383	13,319,636
2037	13,319,636	808,090	780,398	13,347,328
2038	13,347,328	810,988	743,042	13,415,274
2039	13,415,274	816,206	711,945	13,519,535
2040	13,519,535	823,450	688,682	13,654,303
2041	13,654,303	832,973	653,464	13,833,812
2042	13,833,812	845,288	618,412	14,060,688
2043	14,060,688	860,561	583,437	14,337,812
2044	14,337,812	878,893	551,040	14,665,665

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:** All future years

Certain Key Assumptions

Valuation Investment return assumption 6.25%
 Valuation Mortality Table FRS - Regular Class - Generational using Scale BB

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)
2018	\$ 18,729,864	\$ 764,260	\$ 1,494,535	\$ 17,999,589
2019	17,999,589	733,846	1,465,231	17,268,204
2020	17,268,204	703,416	1,434,491	16,537,129
2021	16,537,129	673,658	1,372,714	15,838,073
2022	15,838,073	645,182	1,314,644	15,168,611
2023	15,168,611	617,478	1,279,453	14,506,636
2024	14,506,636	588,408	1,323,470	13,771,574
2025	13,771,574	556,897	1,336,252	12,992,219
2026	12,992,219	524,088	1,321,451	12,194,856
2027	12,194,856	491,379	1,265,994	11,420,241
2028	11,420,241	459,760	1,204,699	10,675,302
2029	10,675,302	428,181	1,200,917	9,902,566
2030	9,902,566	395,187	1,208,088	9,089,665
2031	9,089,665	361,870	1,150,173	8,301,362
2032	8,301,362	328,407	1,148,293	7,481,476
2033	7,481,476	293,954	1,129,829	6,645,601
2034	6,645,601	260,800	1,018,263	5,888,138
2035	5,888,138	229,903	957,310	5,160,731
2036	5,160,731	200,368	892,383	4,468,716
2037	4,468,716	173,337	780,398	3,861,655
2038	3,861,655	148,331	743,042	3,266,944
2039	3,266,944	123,716	711,945	2,678,715
2040	2,678,715	99,211	688,682	2,089,244
2041	2,089,244	74,907	653,464	1,510,687
2042	1,510,687	51,063	618,412	943,338
2043	943,338	27,694	583,437	387,595
2044	387,595	4,763	551,040	-

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:** 26.67

Certain Key Assumptions

Valuation Investment return assumption 4.25%
 Valuation Mortality Table FRS - Regular Class - Generational using Scale BB

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)
2018	\$ 18,729,864	\$ 1,483,564	\$ 1,494,535	\$ 18,718,893
2019	18,718,893	1,483,868	1,465,231	18,737,530
2020	18,737,530	1,486,673	1,434,491	18,789,712
2021	18,789,712	1,493,527	1,372,714	18,910,525
2022	18,910,525	1,505,889	1,314,644	19,101,770
2023	19,101,770	1,523,119	1,279,453	19,345,436
2024	19,345,436	1,541,405	1,323,470	19,563,371
2025	19,563,371	1,558,858	1,336,252	19,785,977
2026	19,785,977	1,577,833	1,321,451	20,042,359
2027	20,042,359	1,601,272	1,265,994	20,377,637
2028	20,377,637	1,631,461	1,204,699	20,804,399
2029	20,804,399	1,666,825	1,200,917	21,270,307
2030	21,270,307	1,704,967	1,208,088	21,767,186
2031	21,767,186	1,748,348	1,150,173	22,365,361
2032	22,365,361	1,797,775	1,148,293	23,014,843
2033	23,014,843	1,852,119	1,129,829	23,737,133
2034	23,737,133	1,916,310	1,018,263	24,635,180
2035	24,635,180	1,992,913	957,310	25,670,783
2036	25,670,783	2,081,029	892,383	26,859,429
2037	26,859,429	2,183,711	780,398	28,262,742
2038	28,262,742	2,301,026	743,042	29,820,726
2039	29,820,726	2,430,842	711,945	31,539,623
2040	31,539,623	2,573,611	688,682	33,424,552
2041	33,424,552	2,730,570	653,464	35,501,658
2042	35,501,658	2,903,377	618,412	37,786,623
2043	37,786,623	3,093,330	583,437	40,296,516
2044	40,296,516	3,301,732	551,040	43,047,208

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:

All future years

Certain Key Assumptions

Valuation Investment return assumption

8.25%

Valuation Mortality Table

FRS - Regular Class - Generational using Scale BB

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

	Plan's Latest Actuarial Valuation	112.664(1)(a), F.S. Assumptions	112.664(1)(b), F.S. Assumptions	112.664(1)(b), F.S. Assumptions, except 2% Higher Investment Return Assumption
A. Valuation Date	10/1/2017	10/1/2017	10/1/2017	10/1/2017
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	End of the First Quarter	End of the First Quarter	End of the First Quarter	End of the First Quarter
D. Employer and Employee ADC (including Administrative Expense) if Paid on the Valuation Date	\$ 551,874	\$ 551,874	\$ 1,190,876	\$ 234,287
E. Covered Payroll for Contribution Year	\$ 3,188,629	\$ 3,188,629	\$ 3,188,629	\$ 3,188,629
F. Employer and Employee ADC as % of Covered Payroll	17.30 %	17.30 %	37.35 %	7.35 %
G. ADC Adjusted for Timing of Payments and Interest to Time of Contribution	\$ 560,302	\$ 560,302	\$ 1,203,332	\$ 238,976
H. Expected Employee Contributions Adjusted for Timing	\$ 210,426	\$ 210,426	\$ 209,429	\$ 211,410
I. Employer ADC in Contribution Year	\$ 349,876	\$ 349,876	\$ 993,903	\$ 27,566
J. Employer ADC as % of Covered Payroll in Contribution Year: I ÷ E	10.97 %	10.97 %	31.17 %	0.86 %
K. Certain Key Assumptions				
Investment Return Assumption	6.25%	6.25%	4.25%	8.25%
Mortality Table	FRS - Regular Class - Generational using Scale BB	FRS - Regular Class - Generational using Scale BB	FRS - Regular Class - Generational using Scale BB	FRS - Regular Class - Generational using Scale BB