

**CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS'  
RETIREMENT TRUST**

**FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

**CITY OF MIAMI FIRE FIGHTERS’ AND POLICE OFFICERS’  
RETIREMENT TRUST**

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# **INDEPENDENT AUDITORS' REPORT**

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## INDEPENDENT AUDITORS' REPORT

To the Board of Trustees and Plan Administrator  
**City of Miami Fire Fighters' and Police Officers' Retirement Trust**

### *Report on the Financial Statements*

We have audited the accompanying financial statements of the City of Miami Fire Fighters' and Police Officers' Retirement Trust (the Trust), which comprise the statement of fiduciary net position as of September 30, 2020, the related statement of changes in fiduciary net position for the year then ended, and the related notes to the financial statements.

### *Management's Responsibility for the Financial Statements*

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

### *Auditors' Responsibility*

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Governmental Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

## *Opinion*

In our opinion, the 2020 financial statements referred to above present fairly, in all material respects, the fiduciary net position of the Trust as of September 30, 2020, and the related changes in its fiduciary net position for the year then ended in accordance with accounting principles generally accepted in the United States of America.

## *Other Matters*

### *Report on Summarized Comparative Information*

We have previously audited the Trust's 2019 financial statements, and we expressed an unmodified opinion on those audited financial statements in our report dated February 19, 2020. In our opinion, the summarized comparative information presented herein as of and for the year ended September 30, 2019 is consistent, in all material respects, with the audited financial statements from which it has been derived.

### *Required Supplementary Information*

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis, schedule of changes in the City's net pension liability and related ratios, schedule of City contributions, schedule of investment returns and notes to required supplementary information on pages 4-9 and 37-41 be presented to supplement the financial statements. Such information, although not a part of the financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the financial statements, and other knowledge we obtained during our audit of the financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

### *Supplementary Information*

Our audit was conducted for the purpose of forming an opinion on the financial statements as a whole. The Schedules of Administrative and Investment Expenses (the Schedules) are presented for purposes of additional analysis and are not a required part of the financial statements.

The Schedules are the responsibility of management and were derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. Such information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the supplementary information is fairly stated, in all material respects, in relation to the financial statements as a whole.

***Other Reporting Required by Government Auditing Standards***

In accordance with *Government Auditing Standards*, we have also issued our report dated February 19, 2021 on our consideration of the Trust's internal control over financial reporting and our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the Trust's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the Trust's internal control over financial reporting and compliance.

*Marcum LLP*

Miami, FL  
February 19, 2021

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## **MANAGEMENT'S DISCUSSION AND ANALYSIS**

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# **THE CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS' RETIREMENT TRUST**

## **MANAGEMENT'S DISCUSSION AND ANALYSIS**

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Our discussion and analysis of the City of Miami Fire Fighters' and Police Officers' Retirement Trust (the "Trust") financial performance provides an overview of the Trust's financial activities for the fiscal years ended September 30, 2020 and 2019. Please read it in conjunction with the Trust's financial statements which follow this discussion.

### **FINANCIAL HIGHLIGHTS**

- The Trust assets exceeded its liabilities at the close of fiscal year ended 2020 and 2019 by \$1,566.1 million and \$1,561.2 million, respectively. The Trust's net position is held in trust to meet future benefit payments. The Trust experienced an increase in fiduciary net position of \$5 million in 2020 and a decrease of \$5.5 million in fiduciary net position in 2019 which resulted primarily from changes in the fair value of the Trust's investments, due to better performing financial markets.
- For the fiscal year ended September 30, 2020 the Trust received contributions totaling \$83.4 million and had a net investment income of \$87.6 million.

For the fiscal year ended September 30, 2019 the Trust received contributions totaling \$79 million and had a net investment income of \$73.5 million.

- For the fiscal year ended September 30, 2020 the Trust's deductions increased over the prior year from \$158.9 million to \$166.6 million or 4.8%. The increase can be attributed to a combination of increases in retiree payroll (more members retired), as well as the annual increase in the cost-of-living allowance (COLA II) given to retirees.
- For the year ended September 30, 2020, the total return of the portfolio was 6.17%. Actual net investment income was \$87.6 million in 2020 compared with \$73.5 million in 2019.

### **OVERVIEW OF THE FINANCIAL STATEMENTS**

The financial statements include the Statement of Fiduciary Net Position and Statement of Changes in Fiduciary Net Position and Notes to the Financial Statements. The Trust also includes in this report additional information to supplement the financial statements.

The Trust presents required supplementary information, which provides historical trend information about the Trust.

The Trust prepares its financial statements on the accrual basis of accounting and in accordance with accounting principles generally accepted in the United States of America. These statements provide information about the Trust's overall financial status.



# **THE CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS' RETIREMENT TRUST**

## **MANAGEMENT'S DISCUSSION AND ANALYSIS**

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### **DESCRIPTION OF THE FINANCIAL STATEMENTS**

The Statement of Fiduciary Net Position presents information that includes all of the Trust's assets and liabilities, with the balance representing the net position restricted for pensions. It is a snapshot of the financial position of the Trust at that specific point in time and reflects the resources available to pay members, retirees and beneficiaries at that point in time.

The Statement of Changes in Fiduciary Net Position reports how the Trust's net position changed during the fiscal year. The additions and deductions to net position are summarized in these statements. The additions include contributions to the retirement plan from the employer (City) and members and net investment income, which include interest, dividends, investment expenses, and the net appreciation or depreciation in the fair value of investments. The deductions include benefit payments, refunds of member contributions, and administrative expenses.

The Notes to the Financial Statements are presented to provide the information necessary for a full understanding of the financial statements. They include additional information not readily evident in the statements themselves such as a description of the Trust, contributions, significant accounting policies, funding policy, and investment risk disclosure.

The Required Supplementary Information included in this report is required by the Governmental Accounting Standards Board. These schedules consist of information pertaining to the Plan's actuarial methods and assumptions and provide data on changes in the City's net pension liability, the City's contributions, and the Trust's investment returns.

Additional information is presented as part of the Supplementary Information. This section is not required but management has chosen to include it. It includes Schedules of Investment Expenses and Administrative Expenses. The Schedule of Investment Expenses presents the expenses incurred in managing and monitoring the investments of the Trust and include financial management, consultant, and custodial fees. The Schedule of Administrative Expenses presents the expenses incurred in the administration of the Trust.

### **FINANCIAL ANALYSIS**

- Trust's total assets as of September 30, 2020, were \$1,622.5 million and were mostly comprised of cash and cash equivalents, investments and securities lending collateral. Total assets decreased \$66.8 million or 3.9% as compared to 2019.
- Total liabilities as of September 30, 2020 were \$56.4 million and were mostly comprised of obligations under securities lending. Total liabilities decreased \$71.7 million or 56% from the prior year primarily due to a decrease in obligations under securities lending.

# THE CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS' RETIREMENT TRUST

## MANAGEMENT'S DISCUSSION AND ANALYSIS

- Payables for securities purchased increased by \$3.8 million or 40% from the prior year primarily due the timing of a pending investments transactions. A unsettled transaction in the amount of \$10 Million to Northern Trust is included in the 2020 balance.
- Trust assets exceeded its liabilities at the close of fiscal year ended September 30, 2020 by \$1,566.1 million. Total fiduciary net position restricted for pensions increased \$4.9 million or 0.3% from the previous year.

**Table 1 - Summary of Fiduciary Net Position**  
**As of September 30, 2020 and 2019**  
**(Dollar Amounts in Thousands)**

	2020	2019	Increase (Decrease) Amount	Total Percentage Change
<b>Assets</b>				
Cash and cash equivalents	\$ 30,137	\$ 43,221	\$ (13,084)	-30.3%
Receivables	13,473	14,790	(1,317)	-8.9%
Investments	1,534,583	1,514,508	20,075	1.3%
Security lending collateral - invested	42,231	114,569	(72,338)	-63.1%
Property and equipment, net	2,075	2,095	(20)	-1.0%
<b>Total Assets</b>	<b>1,622,499</b>	<b>1,689,183</b>	<b>(66,684)</b>	<b>-3.9%</b>
<b>Liabilities</b>				
Payables for securities purchased	13,378	9,591	3,787	39.5%
Accounts payable and other liabilities	760	3,815	(3,055)	-80.1%
Obligations under securities lending	42,231	114,569	(72,338)	-63.1%
<b>Total Liabilities</b>	<b>56,369</b>	<b>127,975</b>	<b>(71,606)</b>	<b>-56.0%</b>
<b>Net Position Restricted for Pension Benefits</b>				
	<u>\$ 1,566,130</u>	<u>\$ 1,561,208</u>	<u>\$ 4,922</u>	0.3%

# THE CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS' RETIREMENT TRUST

## MANAGEMENT'S DISCUSSION AND ANALYSIS

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### ADDITIONS TO FIDUCIARY NET POSITION

The reserves needed to finance retirement benefits are accumulated through the collection of contributions from members and the City and through earnings on investments. Contributions and net investment income for fiscal years 2020 and 2019 totaled \$171.6 million and \$153.5 million, respectively. For the fiscal year ended September 30, 2020 total additions to plan fiduciary net position increased by \$18.1 million or 11.8% from those of the prior year, due primarily to an increase in net investment income.

Actual results were:

- City contributions increased from the previous year by approximately \$4.9 million or 7.8% based on the actuarial valuation.
- Member contributions decreased from the previous year by approximately \$488 thousand or 3.0%. This decrease is primarily due to an increase in the number of active retirees.
- Net investment income increased from the previous year by \$14.1 million or 19% as the funds performed more favorably compared to prior year.

### Additions to Fiduciary Net Position Years Ended September 30, 2020 and 2019 (Dollar Amounts in Thousands)

	2020	2019	Increase (Decrease) Amount	Total Percentage Change
City contribution	\$ 67,564	\$ 62,695	\$ 4,869	7.8%
Member contributions	15,821	16,309	(488)	-3.0%
Net investment income	87,913	73,863	14,050	19.0%
Other income	<u>272</u>	<u>605</u>	<u>(333)</u>	-55.0%
<b>Total Additions</b>	<u>\$ 171,570</u>	<u>\$ 153,472</u>	<u>\$ 18,098</u>	11.8%

### DEDUCTIONS FROM FIDUCIARY NET POSITION

The primary expenses of the Trust include the payment of pension benefits to retired members and beneficiaries, cost of living allowance (COLA) payments to retired members and beneficiaries, refund of contributions to former members, and administrative expenses and depreciation. Total deductions for fiscal years ended 2020 and 2019 were \$166.6 million and \$158.9 million, an increase of 4.8% and 0.5%, respectively.

For the fiscal year ended September 30, 2020, the payment of pension benefits to retirees and COLA payments increased by \$8 million or 5.1% from the previous year. The slight increase is due to COLA payments to retirees along with an increase in retiree payroll.

# THE CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS' RETIREMENT TRUST

## MANAGEMENT'S DISCUSSION AND ANALYSIS

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For the fiscal year ended September 30, 2020, the refund of contributions decreased by \$348 thousand or 52.1% from the previous year. This decrease is mostly due to less active members terminating employment during the fiscal year.

For the fiscal year ended September 30, 2020, administrative expenses and depreciation increased by approximately \$82 or 3.8% from the previous year due mostly to small increase in building maintenance cost.

### Deductions from Fiduciary Net Position Years Ended September 30, 2020 and 2019 (Dollar Amounts in Thousands)

	2020	2019	Increase (Decrease) Amount	Total Percentage Change
Pension benefits paid	\$ 137,866	\$ 130,507	\$ 7,359	5.6%
Refund of contributions	320	668	(348)	-52.1%
Cost of Living Allowance	26,231	25,623	608	2.4%
Administrative expenses and depreciation	<u>2,230</u>	<u>2,148</u>	<u>82</u>	3.8%
<b>Total Additions</b>	<u>\$ 166,647</u>	<u>\$ 158,946</u>	<u>\$ 7,701</u>	4.8%

## CAPITAL ASSETS

As of September 30, 2020, the Trust's investment in capital assets totaled \$2.1 million (net of accumulated depreciation). This investment in capital assets includes land, building and equipment for administrative use. The appraised value of the Administration building is \$3.35 million at September 30, 2020. An appraisal is performed on an annual basis for insurance and valuation purposes.

## RETIREMENT SYSTEM AS A WHOLE

Management believes, and actuarial studies concur, that the Trust's fiduciary net position is in line to meet all its current obligations.

# **THE CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS' RETIREMENT TRUST**

## **MANAGEMENT'S DISCUSSION AND ANALYSIS**

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### **CONTACTING THE TRUST'S FINANCIAL MANAGEMENT**

This financial report is designed to provide the Retirement Board, our membership, taxpayers, investors, and creditors with a general overview of the Trust's finances and to demonstrate the Trust's accountability for the money it receives and the money it dispenses. If you have any questions about this report or need additional financial information, they can be directed to Dania L. Orta, Administrator, City of Miami Fire Fighters' and Police Officers' Retirement Trust Fund, located at 1895 SW 3 Avenue, Miami FL, 33129.

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# **FINANCIAL STATEMENTS**

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**CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS' RETIREMENT TRUST**

**STATEMENT OF FIDUCIARY NET POSITION**

**SEPTEMBER 30, 2020**

**(WITH COMPARATIVE TOTALS AS OF SEPTEMBER 30, 2019)**

	2020				2019			
	Membership and Benefit Account	Cost-of Living Adjustment I Account	Cost-of Living Adjustment II Account	Total	Membership and Benefit Account	Cost-of Living Adjustment I Account	Cost-of Living Adjustment II Account	Total
<b>Assets</b>								
Cash and cash equivalents	\$ 21,815,702	\$ 1,504,121	\$ 6,817,163	\$ 30,136,986	\$ 31,387,017	\$ 2,045,551	\$ 9,788,498	\$ 43,221,066
<b>Investments, at Fair Value</b>								
Debt securities, domestic	271,654,965	18,729,692	84,889,163	375,273,820	265,251,243	17,286,920	82,722,465	365,260,628
Debt securities, international	12,193,840	840,724	3,810,440	16,845,004	21,678,159	1,412,806	6,760,650	29,851,615
Equity securities, domestic	372,275,603	25,667,145	116,331,996	514,274,744	359,446,305	23,425,788	112,098,567	494,970,660
Equity securities, international	230,852,064	15,916,470	72,138,709	318,907,243	189,282,880	12,335,919	59,030,623	260,649,422
Private equity	132,476,764	9,133,825	41,397,519	183,008,108	126,378,443	8,236,320	39,412,959	174,027,722
Real estate	91,407,980	6,302,271	28,563,979	126,274,230	137,794,548	8,980,329	42,973,237	189,748,114
<b>Total Investments</b>	<u>1,110,861,216</u>	<u>76,590,127</u>	<u>347,131,806</u>	<u>1,534,583,149</u>	<u>1,099,831,578</u>	<u>71,678,082</u>	<u>342,998,501</u>	<u>1,514,508,161</u>
<b>Securities Lending Cash Collateral Invested</b>	<u>30,570,773</u>	<u>2,107,752</u>	<u>9,553,028</u>	<u>42,231,553</u>	<u>83,199,351</u>	<u>5,422,257</u>	<u>25,946,928</u>	<u>114,568,536</u>
<b>Receivables</b>								
Proceeds from securities sold	10,945,195	--	--	10,945,195	11,277,977	--	--	11,277,977
Accrued interest	2,527,651	--	--	2,527,651	3,511,794	--	--	3,511,794
<b>Total Receivables</b>	<u>13,472,846</u>	<u>--</u>	<u>--</u>	<u>13,472,846</u>	<u>14,789,771</u>	<u>--</u>	<u>--</u>	<u>14,789,771</u>
<b>Property and Equipment, Net</b>	<u>1,502,160</u>	<u>103,569</u>	<u>469,409</u>	<u>2,075,138</u>	<u>1,521,755</u>	<u>99,176</u>	<u>474,581</u>	<u>2,095,512</u>
<b>Total Assets</b>	<u>1,178,222,697</u>	<u>80,305,569</u>	<u>363,971,406</u>	<u>1,622,499,672</u>	<u>1,230,729,472</u>	<u>79,245,066</u>	<u>379,208,508</u>	<u>1,689,183,046</u>
<b>Liabilities</b>								
Payable for securities purchased	13,377,715	--	--	13,377,715	9,591,173	--	--	9,591,173
Accounts payable and other liabilities	759,830	--	--	759,830	3,814,775	--	--	3,814,775
Obligations under securities lending	30,570,773	2,107,752	9,553,028	42,231,553	83,199,350	5,422,257	25,946,929	114,568,536
<b>Total Liabilities</b>	<u>44,708,318</u>	<u>2,107,752</u>	<u>9,553,028</u>	<u>56,369,098</u>	<u>96,605,298</u>	<u>5,422,257</u>	<u>25,946,929</u>	<u>127,974,484</u>
<b>Net Position Restricted for Pension Benefits</b>	<u>\$ 1,133,514,379</u>	<u>\$ 78,197,817</u>	<u>\$ 354,418,378</u>	<u>\$ 1,566,130,574</u>	<u>\$ 1,134,124,174</u>	<u>\$ 73,822,809</u>	<u>\$ 353,261,579</u>	<u>\$ 1,561,208,562</u>

*The accompanying notes are an integral part of these financial statements.*

**CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS' RETIREMENT TRUST**

**STATEMENT OF CHANGES IN FIDUCIARY NET POSITION**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020  
(WITH COMPARATIVE TOTALS FOR THE YEAR ENDED SEPTEMBER 30, 2019)**

	2020				2019			
	Membership and Benefit Account	Cost-of Living Adjustment I Account	Cost-of Living Adjustment II Account	Total	Membership and Benefit Account	Cost-of Living Adjustment I Account	Cost-of Living Adjustment II Account	Total
<b>Additions</b>								
Contributions:								
City	\$ 60,633,239	\$ --	\$ 6,931,175	\$ 67,564,414	\$ 56,030,260	\$ --	\$ 6,664,591	\$ 62,694,851
Members	15,820,796	--	--	15,820,796	16,309,563	--	--	16,309,563
<b>Total Contributions</b>	<b>76,454,035</b>	<b>--</b>	<b>6,931,175</b>	<b>83,385,210</b>	<b>72,339,823</b>	<b>--</b>	<b>6,664,591</b>	<b>79,004,414</b>
<b>Investment Income</b>								
Net appreciation in fair value of investments	48,828,661	3,530,052	15,946,803	68,305,516	37,523,258	2,342,295	11,237,490	51,103,043
Interest	11,656,596	754,487	3,551,108	15,962,191	12,744,076	791,173	3,900,381	17,435,630
Dividends	7,206,427	471,027	2,204,891	9,882,345	7,669,494	476,164	2,349,204	10,494,862
	67,691,684	4,755,566	21,702,802	94,150,052	57,936,828	3,609,632	17,487,075	79,033,535
Less: investment expenses	(4,802,594)	(315,833)	(1,475,649)	(6,594,076)	(4,058,525)	(250,735)	(1,240,171)	(5,549,431)
<b>Net Investment Income from Investing Activities</b>	<b>62,889,090</b>	<b>4,439,733</b>	<b>20,227,153</b>	<b>87,555,976</b>	<b>53,878,303</b>	<b>3,358,897</b>	<b>16,246,904</b>	<b>73,484,104</b>
<b>Securities Lending Activities</b>								
Securities lending income	346,830	22,595	105,975	475,400	369,617	22,852	113,025	505,494
Securities lending fees	(86,647)	(5,645)	(26,475)	(118,767)	(92,331)	(5,708)	(28,234)	(126,273)
<b>Net Income from Securities Lending Activities</b>	<b>260,183</b>	<b>16,950</b>	<b>79,500</b>	<b>356,633</b>	<b>277,286</b>	<b>17,144</b>	<b>84,791</b>	<b>379,221</b>
<b>Total Net Investment Income</b>	<b>63,149,273</b>	<b>4,456,683</b>	<b>20,306,653</b>	<b>87,912,609</b>	<b>54,155,589</b>	<b>3,376,041</b>	<b>16,331,695</b>	<b>73,863,325</b>
<b>Other</b>	<b>198,448</b>	<b>12,827</b>	<b>60,380</b>	<b>271,655</b>	<b>440,591</b>	<b>27,960</b>	<b>136,082</b>	<b>604,633</b>
<b>Total Additions</b>	<b>139,801,756</b>	<b>4,469,510</b>	<b>27,298,208</b>	<b>171,569,474</b>	<b>126,936,003</b>	<b>3,404,001</b>	<b>23,132,368</b>	<b>153,472,372</b>
<b>Deductions</b>								
Pension benefits paid	137,866,491	--	--	137,866,491	130,508,175	--	--	130,508,175
Refund of contributions	320,190	--	--	320,190	667,508	--	--	667,508
COLA distributions to retirees	--	93,495	26,136,817	26,230,312	--	102,247	25,520,278	25,622,525
Depreciation expense	14,774	1,007	4,592	20,373	14,189	915	4,405	19,509
Administrative expenses	2,210,096	--	--	2,210,096	2,128,469	--	--	2,128,469
<b>Total Deductions</b>	<b>140,411,551</b>	<b>94,502</b>	<b>26,141,409</b>	<b>166,647,462</b>	<b>133,318,341</b>	<b>103,162</b>	<b>25,524,683</b>	<b>158,946,186</b>
<b>Change in Net Position</b>	<b>(609,795)</b>	<b>4,375,008</b>	<b>1,156,799</b>	<b>4,922,012</b>	<b>(6,382,338)</b>	<b>3,300,839</b>	<b>(2,392,315)</b>	<b>(5,473,814)</b>
<b>Net Position Restricted for Pension Benefits</b>								
Beginning of year	1,134,124,174	73,822,809	353,261,579	1,561,208,562	1,140,506,512	70,521,970	355,653,894	1,566,682,376
End of year	\$ 1,133,514,379	\$ 78,197,817	\$ 354,418,378	\$ 1,566,130,574	\$ 1,134,124,174	\$ 73,822,809	\$ 353,261,579	\$ 1,561,208,562

*The accompanying notes are an integral part of these financial statements.*



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## **NOTES TO FINANCIAL STATEMENTS**

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**CITY OF MIAMI FIRE FIGHTERS’ AND POLICE OFFICERS’  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 1 – DESCRIPTION OF THE PLAN**

***ORGANIZATION***

The City of Miami Fire Fighters’ and Police Officers’ Retirement Trust (the “Trust”) is a single-employer defined benefit pension plan established by the City of Miami, Florida (the “City”) pursuant to the provisions and requirements of Ordinance No. 10002 as amended. Since the Trust is sponsored by the City, the Trust is included as a pension trust fund in the City’s comprehensive annual financial report as part of the City’s financial reporting entity.

The Trust’s governing board is made up of a Board of Trustees consisting of nine members:

- Four are elected by the City Commission of which 2 are retired members
- Four are elected by the Trust’s members of which one is a retired member and three are active participants
- One is appointed by the City manager

The following brief description of the Trust is provided for general information purposes only. Participants should refer to the Trust document for more detailed and comprehensive information.

***MEMBERSHIP***

Participants are contributing police officers and firefighters with full-time status in the Police and Fire Department of the City of Miami, Florida.

Membership in the Trust consisted of the following as of October 1, 2019, the date of the latest available actuarial valuation report:

Inactive plan members and beneficiaries currently receiving benefits	2,195
Inactive plan members entitled but not yet receiving benefits	23
Active plan members - vested	900
Active plan members - non-vested	<u>1,103</u>
<b>Total Members</b>	<u><u>4,221</u></u>

**CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS'  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 1 – DESCRIPTION OF THE PLAN (CONTINUED)**

***MEMBER CONTRIBUTION***

Members contribute a percentage of their base salaries on a bi-weekly basis. Prior to the agreement dated January 9, 1994, a 2% contribution was designated to the Cost-of-Living Adjustment I Account (COLA I account). Effective January 9, 1994, the Gates Agreement was resettled whereby this contribution percentage was decreased to 0% and a new Cost-of-Living Adjustment II Account (COLA II account) was created and funded by an actuarially determined percentage of the excess investment return (from other than COLA I account assets).

As of September 30, 2014, the member contribution for police officers hired prior to October 1, 2012 shall be 7% of earnable compensation. The member contribution for police officers hired on or after October 1, 2012 shall be 10% of earnable compensation.

As of September 30, 2014, the member contribution for fire fighters shall be 10% of earnable compensation.

During the year ended September 30, 2020, approximately \$371,000 is included as member contributions for the purchase of additional service years by members as provided for by the Trust.

***FUNDING REQUIREMENTS***

The City is to contribute such amounts as are necessary to maintain the actuarial soundness of the Trust and to provide the Trust with assets sufficient to meet the benefits to be paid to the participants. Contributions to the Trust are authorized pursuant to City of Miami Code Section 40.196 (a) and (b). Contributions to the COLA accounts are authorized pursuant to Section 40.204 of the City of Miami Code. The City's contributions to the Trust provide for non-investment expenses and normal costs of the Trust. The yield (interest, dividends, and net unrealized and realized gains and losses) on investments of the Trust serves to reduce/increase future contributions that would otherwise be required to provide for the defined level of benefits under the Trust.

**CITY OF MIAMI FIRE FIGHTERS’ AND POLICE OFFICERS’  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 1 – DESCRIPTION OF THE PLAN (CONTINUED)**

***PENSION BENEFITS***

Members may elect to retire after 10 or more years of creditable service upon attainment of normal retirement age. Normal retirement pursuant to Section 40-203 of the City code shall be determined as follows:

***Plan A***

“For members employed on September 30, 2010, who as of that date have attained age 50 with ten or more years of creditable service or eligibility for Rule of 64 retirement for police officer members, or eligibility for rule of 68 retirement for firefighter members, the normal retirement age shall be 50 years of age with ten or more years of creditable service, or Rule of 64 retirement for police officer members, or Rule of 68 for firefighter members.”

***Plan B***

“For members employed on September 30, 2010, who as of that date have not attained age 50 with ten or more years of creditable service, or Rule of 64 retirement for police officer members, or Rule of 68 retirement for firefighter members, and member hired on or after October 1, 2010 shall be rule of 70 retirement with a minimum age of 50 and ten or more years of creditable service.”

Rule of 64, 68 and 70 shall mean a computation consisting of the sum of a member’s age and length of creditable service, which sum shall permit normal service retirement upon the member’s combined age and creditable service equaling at least 64, 68 and 70, respectively.

Members who were vested as of September 27, 2010, may elect to retire after 10 or more years of creditable service upon attainment of normal retirement age. A member entitled to a normal retirement shall receive a retirement allowance equal to 3% of the member’s average final compensation multiplied by years of creditable service for the first 15 years of such creditable service, and 3½% of the member’s average final compensation multiplied by years of creditable service exceeding 15 years. This benefit paid in monthly installments.

Members who were not vested as of September 27, 2010, may elect to retire upon reaching Rule of 70 with a minimum age of 50.

Effective September 30, 2010, for members who retire under normal service retirement or Rule of 70 retirement the retirement allowance shall not exceed the lesser of 100% of the member’s average final compensation or an annual retirement allowance of \$100,000 as of retirement or DROP entry based on the normal form of benefit in effect on the date of retirement.

**CITY OF MIAMI FIRE FIGHTERS’ AND POLICE OFFICERS’  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 1 – DESCRIPTION OF THE PLAN (CONTINUED)**

*PENSION BENEFITS (CONTINUED)*

Early retirement, disability, death and other benefits are also provided.

*INVESTMENT POLICY*

The Trust’s investment policy is determined by the Board of Trustees and is implemented by investment managers. In addition, the Trust utilizes an investment advisor who monitors the investing activities. The investment policy of the Trust stipulates that the trustees shall, in acquiring, investing, reinvesting, exchanging, retaining, selling and maintaining property for the benefit of the Trust, exercise the judgment and care under the circumstances then prevailing, which persons of prudence, discretion and intelligence exercise in the management of their own affairs, not in regard to speculation but in regard to the permanent disposition of their funds, considering the probable income as well as the probable safety of their capital. The trustees are authorized to acquire and retain various kinds of property, real, personal or mixed, and various types of investments specifically including, but not by way of limitation, bonds, debentures and other corporate obligations, and stocks, preferred or common, which persons of prudence, discretion and intelligence acquire or retain for their own account. The investment of funds shall be in a manner that is consistent with the applicable sections of the City Code as well as State and Federal laws within the allocation percentages established in the Trust’s investment policy guidelines.

The investments are considered held by the Membership and Benefit Account and a share of the value of this account is allocated to each account based on a weighted average calculation performed each month to reflect each account’s membership and benefit, COLA I and COLA II activity.

*COLA ACCOUNTS*

Effective January 9, 1994, the Trust entered into an agreement with the City of Miami with regards to the funding methods, member benefits, member contributions and retiree COLA. As of January 9, 1994, members no longer contribute to the original COLA account (COLA I), and a new COLA account (COLA II) was established.

The agreement included the following provisions:

- The funding method was changed to an aggregate method.
- Combining all accounts for investment purposes (membership and benefit, COLA I and COLA II).
- Retirees receive additional COLA benefits.

**CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS'  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 1 – DESCRIPTION OF THE PLAN (CONTINUED)**

*COLA ACCOUNTS (CONTINUED)*

- Active members no longer contribute 2% of pretax earnings to fund the original retiree COLA account (COLA I account).

The COLA II account is funded annually by a percentage of the excess investment returns from other than COLA I account assets. The excess earnings contributed to the COLA II account will be used to fund a minimum annual payment of \$2,500,000, increasing by 4% compounded annually. To the extent necessary, the City will fund the portion of the minimum annual payment not funded by annual excess earnings no later than January 1 of the following year. During the year ended September 30, 2020, approximately \$6,931,000, was funded by the City. Benefits payable from the COLA accounts are computed in accordance with an actuarially based formula as defined in Section 40.204 of the City of Miami Code.

*DEFERRED RETIREMENT OPTION PROGRAM (DROP)*

Members who are eligible for service retirement or Rule of 64 or Rule of 68 after September 1998 may elect to enter the Deferred Retirement Option Program (DROP). Maximum participation in the DROP for firefighters shall be 54 full months and for police officers shall be 84 full months. A member's creditable service, accrued benefit and compensation calculation shall be frozen.

Upon commencement of participation in the DROP, the participant's contribution and the City's contribution to the Trust for that participant cease as the participant will not earn further creditable service for pension purposes.

Effective July 24, 2008, firefighter DROP participants may continue City employment for up to a maximum of 54 full months and police officers who elect DROP on May 8, 2008, or thereafter, may continue City employment for up to a maximum of 84 full months.

The DROP assets are held by an independent third party and therefore not a part of the Trust's Financial Statements. The DROP balance was \$151,905,900 as of September 30, 2020.

**CITY OF MIAMI FIRE FIGHTERS’ AND POLICE OFFICERS’  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

***BASIS OF ACCOUNTING***

The Trust’s financial statements are prepared in accordance with generally accepted accounting principles accepted in the United States of America (“U.S. GAAP”) as prescribed by the Governmental Accounting Standards Board (“GASB”). Member contributions are recognized as revenues in the period in which contributions are due. City contributions are due when there is a formal commitment to provide amounts determined by an actuarial valuation. Benefits and refunds are recognized when due and payable in accordance with the terms of the plan.

***CASH EQUIVALENTS***

The Trust considers all highly liquid investments with short-term maturities, typically less than three months, to be cash equivalents.

***INVESTMENTS***

Investments are recorded at fair value in the statement of fiduciary net position. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Refer to Note 3 to the financial statements for more detail regarding the methods used to measure the fair value of investments.

Unrealized and realized gains and losses are presented as net appreciation in fair value of investments on the Statement of Changes in Fiduciary Net Position. Purchases and sales of securities are reflected on a trade-date basis. Interest income is recognized as earned and dividend income is recorded as of the ex-dividend date. Realized gains and losses on the sale of investments are based on average cost identification method.

Given the inherent nature of investments it is reasonably possible that changes in the value of those investments will occur in the near term and that such changes could materially affect the amounts reported in the statement of fiduciary net position.

***USE OF ESTIMATES***

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

**CITY OF MIAMI FIRE FIGHTERS’ AND POLICE OFFICERS’  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)**

***PROPERTY AND EQUIPMENT, NET***

Property and equipment (capital assets) are stated at cost and depreciated using the straight-line method over the estimated lives of the assets.

***INCOME TAX STATUS***

The Trust is tax-exempt under the Internal Revenue Code and, therefore, has recorded no income tax liability or expense.

***RISK AND UNCERTAINTIES***

Contributions to the Trust and the actuarial information included in the required supplementary information (“RSI”) are reported based on certain assumptions pertaining to the interest rates, inflation rates and member compensation and demographics. Due to the changing nature of these assumptions, it is at least reasonably possible that changes in these assumptions may occur in the near term and, due to the uncertainties inherent in settling assumptions, that the effect of such changes could be material to the financial statements.

***COMPARATIVE INFORMATION***

The financial statements include certain prior-year comparative information. Such summarized information does not include sufficient detail to constitute a presentation in conformity with U.S. GAAP. Accordingly, such information should be read in conjunction with the Trust’s financial statements for the year ended September 30, 2019, from which the information was derived.

**NOTE 3 – DEPOSIT AND INVESTMENT RISK DISCLOSURES**

***CASH AND CASH EQUIVALENTS***

Deposits are carried at cost and are included in cash and cash equivalents in the statement of fiduciary net position. Cash and cash equivalents include demand accounts and short-term investment funds (STIF). The cash is invested through daily sweeps of excess cash by the Trust’s custodial bank into the custodial short-term (money market) commingled fund or invested in certificates of deposit, commercial paper, U.S. Treasury bills and repurchase agreements.



**CITY OF MIAMI FIRE FIGHTERS’ AND POLICE OFFICERS’  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 3 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)**

Cash and cash equivalents at September 30, 2020 consist of the following:

(Managed overdraft) deposits	\$ (1,015,966)
Invested cash and foreign currency	18,419,969
Short-term investments	<u>12,732,983</u>
<b>Total</b>	<b><u>\$ 30,136,986</u></b>

***INVESTMENT AUTHORIZATION***

The Board of Trustees holds the fiduciary responsibility for the Trust, and has adopted a policy to invest in several institutionally acceptable asset classes. Thus, the Trustees have set a reasonably diversified asset allocation in accordance with state statutes (including minimum and maximum allocations), which is expected to appropriately fund the Trust’s liabilities and meet its basic investment objectives. The basis for such a target asset allocation is a study of the Trust’s pension liabilities and reasonable, alternative investment portfolios.

These asset classes are domestic equity (large, mid and small capitalization), international equity (developed and emerging markets), domestic real estate (institutional quality properties either individually or in open-ended commingled funds, or in real estate investment trust securities portfolios), private equity funds, domestic fixed income, and short-term investments. Other asset classes may be added by the Trustees to its investment policy.

Investment in domestic equity securities shall be limited to those listed on a major U.S. stock exchange and limited to no more than 40% (at market value) of the Trust’s total asset value, in accordance with the Trust’s investment policy. Investments in stocks of foreign companies shall be limited to 30% of the value of the Trust’s portfolio.

**CITY OF MIAMI FIRE FIGHTERS’ AND POLICE OFFICERS’  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 3 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)**

*INVESTMENT AUTHORIZATION (CONTINUED)*

Investments in core domestic fixed income securities shall be limited to 47% (at maturity) of the Trusts’ total portfolio. The domestic fixed income portfolio shall be comprised of securities rated “BBB” or higher by nationally recognized rating agencies, preferably by Moodys’ or Standard & Poors rating services. Investment in bank loans has also been authorized by the Trust. The goal of the bank loan allocation is to generate reasonable returns, while providing diversification relative to core and high yield fixed income managers. Proper portfolio diversification of bank loan portfolios is required, such that reasonable risk/reward expectations are maintained. Performance attribution is required, as is the case of domestic core and high yield fixed income managers. Additionally, investment in absolute return has been authorized by the Trust. The goal of the absolute return allocation is to protect against volatility. Proper diversification of absolute return portfolios is required, such that reasonable risk/reward expectations are maintained. Performance attribution is required, as is the case of domestic fixed income and equity managers. Derivative investments with allocation limits, may not represent more than 5% of the individual portfolio manager’s assets managed for the Trust. Derivative investments with allocation limits in the aggregate may not expose the individual manager’s portfolio to losses in excess of 5% of the manager’s total assets.

The Trust invests in various funds and investment vehicles which employ specific strategies and co-investments often outside the traditional asset classes. The most common investment categories for these funds include domestic and international real estate and private equity funds. The structure of these investments is generally a limited partnership or limited liability company and tend to be long-term and illiquid in nature. Global real estate investments and private equity allocation range is limited to 12% and 12%, respectively.

No single security can represent more than 5% of the market value of a portfolio at the time of purchase, and no single industry (based on Global Industry Classification System codes) can represent more than 15% of the market value of the account. These single security and single industry restrictions do not apply to U.S. Government and Agency bond holdings.

**CITY OF MIAMI FIRE FIGHTERS’ AND POLICE OFFICERS’  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 3 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)**

***TYPES OF INVESTMENTS***

Florida Statutes and the Trust’s investment policy authorize the Trustees to invest funds in various investments. The current target and actual allocation of these investments at market, per the performance analysis report, is as follows as of September 30, 2020:

<u>Authorized Investments</u>	<u>Target % of Portfolio</u>	<u>Actual % of Portfolio</u>
Cash and cash equivalents	0.00%	1.93%
Domestic equities	32.00%	32.87%
Core domestic fixed income	31.00%	25.06%
International equities	22.00%	20.38%
Global real estate	9.00%	8.07%
Private equity	<u>6.00%</u>	<u>11.70%</u>
<b>Total Authorized Investments</b>	<u>100.00%</u>	<u>100.00%</u>

***RATE OF RETURN***

For the year ended September 30, 2020, the annual money-weighted rate of return on pension plan investments, net of pension plan investment expense, was 6.17%. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

**CITY OF MIAMI FIRE FIGHTERS’ AND POLICE OFFICERS’  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 3 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)**

*INVESTMENTS*

The table below shows the Trust’s investments by type as of September 30, 2020:

<b>Debt Securities, Domestic</b>	
U.S. treasuries	\$ 4,853,052
U.S. agencies	85,317
Corporate bonds	19,270,306
Asset backed securities	4,532,101
Mortgage backed securities	24,924,507
High yield bond	<u>321,608,537</u>
<b>Total Debt Securities, Domestic</b>	<u>375,273,820</u>
<b>Debt Securities, International</b>	
International government bonds	3,601,538
Corporate bonds	<u>13,243,466</u>
<b>Total Debt Securities, International</b>	<u>16,845,004</u>
<b>Total Debt Securities</b>	392,118,824
Equity securities, domestic	514,274,744
Equity securities, international	318,907,243
Private equity	183,008,108
Real estate	<u>126,274,230</u>
<b>Total Investments</b>	<u>\$ 1,534,583,149</u>

*INTEREST RATE RISK*

Interest rate risk is the risk that changes in market interest rates will adversely affect the fair value of an investment. Generally, the longer the maturity of an investment the greater the sensitivity of its fair value to changes in market interest rates. As a means of limiting its exposure to interest rate risk, the Trust diversifies its investments by security type and institution, and limits holdings in any one type of investment with any one issuer with various durations of maturities.

**CITY OF MIAMI FIRE FIGHTERS’ AND POLICE OFFICERS’  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

**NOTE 3 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)**

***INTEREST RATE RISK (CONTINUED)***

Information about the sensitivity of the fair values of the Trust’s fixed income (debt securities) investments to market interest rate fluctuations is provided by the following tables that show the distribution of the Trust’s investments by maturity at September 30, 2020:

Investment Type	Fair Value	Investment Maturities (In Years)			
		Less Than 1	1-5 Years	6-10 Years	More Than 10 Years
U.S. treasuries	\$ 4,853,052	\$ --	\$ 3,199,193	\$ --	\$ 1,653,859
U.S. agencies	85,317	--	25,091	60,226	--
Corporate bonds	19,270,306	963,035	5,093,103	4,850,430	8,363,738
Asset backed securities	4,532,101	11,250	33,017	--	4,487,834
Mortgage backed securities	24,924,507	--	220,104	332,405	24,371,998
High yield bond	321,608,537	--	--	321,608,537	--
International government bonds	16,845,004	896,099	6,646,468	3,515,614	5,786,823
<b>Total Debt Securities</b>	<b>\$ 392,118,824</b>	<b>\$ 1,870,384</b>	<b>\$ 15,216,976</b>	<b>\$ 330,367,212</b>	<b>\$ 44,664,252</b>
<b>% of Debt Securities Portfolio</b>	<b><u>100.00%</u></b>	<b><u>0.48%</u></b>	<b><u>3.88%</u></b>	<b><u>84.25%</u></b>	<b><u>11.39%</u></b>

***CREDIT RISK***

Credit risk is the risk that a security or a portfolio will lose some or all of its value due to a real or perceived change in the ability of the issuer to repay its debt. This risk is generally measured by the assignment of a rating by a nationally recognized statistical rating organization. The Trust’s investment policy utilizes portfolio diversification in order to control this risk.

**CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS'  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 3 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)**

*CREDIT RISK (CONTINUED)*

The following tables disclose credit ratings by investment type, at September 30, 2020, as applicable:

Investment	Fair Value	Percentage of Portfolio
<b>U.S. Government Guaranteed*</b>	\$ 4,183,742	1.07%
<b>Credit Risk Debt Securities</b>		
AAA	316,882,914	80.81%
AA+	4,103,510	1.05%
AA	595,981	0.15%
AA-	80,039	0.02%
A+	1,276,447	0.33%
A	976,530	0.25%
A-	3,093,656	0.79%
BBB+	8,439,547	2.15%
BBB	9,333,772	2.38%
BBB-	5,103,583	1.30%
BB+	4,852,448	1.24%
BB-	1,239,599	0.32%
BB	1,047,992	0.27%
B	513,303	0.13%
Not rated	30,395,761	7.75%
<b>Total Credit Risk Debt Securities</b>	<u>387,935,082</u>	<u>98.93%</u>
<b>Total Debt Securities</b>	<u>\$ 392,118,824</u>	<u>100.00%</u>

\*Obligations are backed by the full faith and credit of the U.S. Government.

**CONCENTRATION OF CREDIT RISK**

The investment policy of the Trust contains limitations on the amount that can be invested in any one issuer as well as maximum portfolio allocation percentages. There were 5 individual investments that represent 5% or more of the fair value of the Trust's net position at September 30, 2020.

**CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS'  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 3 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)**

***CUSTODIAL CREDIT RISK***

Deposits are exposed to custodial risk if they are uninsured and uncollateralized. Custodial risk for deposits is the risk that, in the event of the failure of a depository financial institution, the Trust will not be able to recover its deposits or will not be able to recover collateral securities that are in the possession of an outside party. The Trust's deposits are covered by depository insurance or are collateralized by securities held with a financial institution in the Trust's name. The Trust is only exposed to custodial credit risk for uncollateralized cash and cash equivalents that are not covered by federal depository insurance.

Custodial risk for investments is the risk that, in the event of the failure of the counterparty to a transaction, the Trust will not be able to recover the value of its investment or collateral securities that are in the possession of an outside party. Investment securities are exposed to custodial risk if the securities are uninsured, are not registered in the name of the Trust, and are held either by the counterparty or the counterparty's trust department or agent but not in the Trust's name.

Consistent with the Trust's investment policy, the investments are held by Trust's custodial bank and registered in the Trust's name. All of the Trust's deposits are insured or collateralized by a financial institution separate from the Trust's depository financial institution.

The Trust participates in securities lending transactions, as lender, and the securities loaned in those circumstances are exposed to some degree of custodial credit risk. The Trust does require that its custodian maintain insurance to help protect against losses due to negligence, theft, and certain other events.

***FOREIGN CURRENCY RISK***

Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of the investment or a deposit. The Trust may have exposure to foreign currency risk to the extent its investments contain non-U.S. dollar denominated holdings in foreign countries. All asset classes may hold non-U.S. securities, depending on portfolio guidelines. There is no requirement that this exposure to foreign currency be hedged through forward currency contracts, although the manager uses them in many cases.

**CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS'  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

**NOTE 3 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)**

*FOREIGN CURRENCY RISK (CONTINUED)*

The Trust has exposure to foreign currency fluctuation as of September 30, 2020, as follows:

Currency	Cash and Cash Equivalents	Equity Securities	Debt Securities	Private Equity	Total
Australian Dollar	\$ --	\$ 2,841,533	\$ --	\$ --	\$ 2,841,533
Brazilian Real	--	172,169	--	--	172,169
British Pound Sterling	4	12,942,704	--	--	12,942,708
Canadian Dollar	--	7,171,282	--	--	7,171,282
Danish Krone	--	4,840,326	--	--	4,840,326
Euro	7,309	42,872,299	--	6,721,836	49,601,444
Hong Kong Dollar	--	17,630,886	--	--	17,630,886
Indonesian Rupiah	--	--	226,662	--	226,662
Japanese Yen	--	31,169,506	--	--	31,169,506
Malaysian ringgit	--	--	463,308	--	463,308
Mexican Peso	--	259,004	470,302	--	729,306
Norwegian Krone	--	1,217,259	--	--	1,217,259
Polish zloty	--	--	--	--	--
Singapore Dollar	--	1,759,037	627,297	--	2,386,334
South Korean Won	--	4,904,573	--	--	4,904,573
Swedish Krona	--	7,873,941	--	--	7,873,941
Swiss Franc	--	18,565,405	--	--	18,565,405
Taiwan Dollar	--	9,107,086	--	--	9,107,086
Other	--	3,515,125	463,782	--	3,978,907
<b>Total</b>	<u>\$ 7,313</u>	<u>\$ 166,842,135</u>	<u>\$ 2,251,351</u>	<u>\$ 6,721,836</u>	<u>\$ 175,822,635</u>

*SECURITIES LENDING TRANSACTIONS*

A retirement system is authorized by state statutes and board of trustees' policies to lend its investment securities. The lending is managed by the Trust's custodial bank. All loans can be terminated on demand by either the Trust or the borrowers, although the average term of loans is approximately 57 days, as of September 30, 2020. The custodial bank and its affiliates are prohibited from borrowing the Trust's securities.



**CITY OF MIAMI FIRE FIGHTERS’ AND POLICE OFFICERS’  
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**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 3 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)**

*SECURITIES LENDING TRANSACTIONS (CONTINUED)*

The agent lends the Trust’s U.S. government and agency securities and domestic corporate fixed income and equity securities for securities or cash collateral at least 102 percent of the market value of the securities plus any accrued interest and international securities at least 105 percent of the market value of the securities plus any accrued interest. The securities lending contracts do not allow the Trust to pledge or sell any collateral securities unless the borrower defaults. Cash collateral is invested in the agent’s collateral investment pool, whose share values are based on the amortized cost of the pool’s investments. Investments are restricted to issuers with a credit rating A3 or A- or higher by Moody’s or Standard & Poor’s. At September 30, 2020, the pool had a weighted average term to maturity of 29 days.

The relationship between the maturities of the investment pool and the Trust’s loans is affected by the maturities of the securities loans made by other entities that use the agent’s pool, which the Trust cannot determine. There are policy restrictions by the custodial bank that limit the amount of securities that can be lent at one time or to one borrower.

Loaned securities continue to be classified as investment assets on the statement of fiduciary net position. Off balance sheet cash collateral is recorded as an asset with a corresponding liability. For lending agreements collateralized by securities, no accompanying asset or liability is recorded, since the Trust is not permitted to sell or re-pledge the associated collateral.

The following represents the balances relating to securities lending transactions at September 30, 2020:

Currency	Market Value of Securities on Loan for Cash	Fair Value Cash Collateral Invested	Fair Value of Liabilities to Borrowers
<b>Securities Lent</b>			
Global equities	\$ 104,981	\$ 114,636	\$ 114,636
U.S. government and agency obligations	2,595,900	2,663,528	2,663,528
Domestic corporate stocks	35,764,236	36,562,659	36,562,659
Domestic corporate bonds	<u>2,814,146</u>	<u>2,890,730</u>	<u>2,890,730</u>
<b>Total Securities Lent</b>	<u>\$ 41,279,263</u>	<u>\$ 42,231,553</u>	<u>\$ 42,231,553</u>

**CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS'  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 3 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)**

*SECURITIES LENDING TRANSACTIONS (CONTINUED)*

The contract with the Trust's custodian requires the custodian to indemnify the Trust if the borrower fails to return the securities, due to the insolvency of a borrower, and the custodian has failed to live up to its contractual responsibilities relating to the lending of those securities. At year end, the Trust has no credit risk exposure to borrowers because the amounts of collateral held by the Trust exceed the amounts the borrowers owe the Trust.

There are no significant violations of legal or contractual provisions, no borrowers or lending agent default losses, and no recoveries of prior period losses during the year. There are no income distributions owing on securities lent.

*INVESTMENT VALUATION*

The Trust categorizes its fair value measurements with the fair value hierarchy established by generally accepted accounting principles. The fair value hierarchy categorizes the inputs to valuation techniques used to measure fair value into three levels based on the extent to which inputs used in measuring fair value are observable in the market.

Investments measured and reported at fair value are classified and disclosed in one of the following categories:

Level 1 - Investments traded in an active market with available quoted prices for identical assets as of the reporting date.

Level 2 - Investments not traded on an active market but for which observable market inputs are available for an asset, either directly or indirectly, as of the reporting date.

Level 3 - Investments not traded in an active market and for which no significant observable market inputs are available as of the reporting date.

**CITY OF MIAMI FIRE FIGHTERS’ AND POLICE OFFICERS’  
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**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 3 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)**

*INVESTMENT VALUATION (CONTINUED)*

The Trust has established a framework to consistently measure the fair value of the Trust’s assets and liabilities in accordance with applicable accounting, legal, and regulatory guidance. This framework has been provided by establishing valuation policies and procedures that will provide reasonable assurance that assets and liabilities are carried at fair value. In certain cases, the inputs used to measure fair value may fall into different levels of the fair value hierarchy. In such cases, an investment’s level within the fair value hierarchy is based on the lowest level of input that is significant to the fair value measurement. The Trust’s assessment of the significance of a particular input to the fair value measurement requires judgment and considers factors specific to the investment.

Debt securities: Debt securities consist primarily of negotiable obligations of the U.S. government and U.S. government-sponsored agencies, corporations, securitized offerings backed by residential and commercial mortgages and foreign debt securities. These securities can typically be valued using the close or last traded price on a specific date (quoted prices in active markets). When quoted prices are not available, fair value is determined based on valuation models that use inputs that include market observable inputs. These inputs included recent trades, yields, price quotes, cash flows, maturity, credit ratings, and other assumptions based upon the specifics of the investment’s type.

Equity securities: These include domestic and international equities. Domestic securities traded on a national securities exchange are valued at the last reported sales price on the last business day of the fiscal year. Securities traded in the over-the counter market and listed securities for which no sale was reported on that date are valued at the last reported bid price. International equities are valued based upon quoted foreign market prices and translated into U.S. dollars at the exchange rate in effect at September 30, 2020. Securities which are not traded on a national security exchange are valued by the respective fund manager or other third parties based on yields currently available on comparable securities of issuers with similar credit ratings.

**CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS'  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 3 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)**

*INVESTMENT VALUATION (CONTINUED)*

Alternative investments: These investments pertain to private equity where no readily ascertainable market value exists. To value these investments, management, in consultation with the general partner and investment advisors, determines the fair values for the individual investments based upon the partnership's or limited liability company's most recent available financial information adjusted for cash flow activities through September 30, 2020. The estimated fair value of these investments may differ from values that would have been used had a ready market existed. The Trust also has investments which are measured at net asset value ("NAV") based on their proportionate share of the value of the investments as determined by the fund manager and are valued according to methodologies which include pricing models, property valuations (appraisals), discounted cash flow models, and similar techniques. Investments measured at NAV as a practical expedient would be excluded from the fair value hierarchy because the valuation is not based on actual market inputs but rather is quantified using the investments' reported NAV as a matter of convenience.

**CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS'  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

**NOTE 3 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)**

***INVESTMENT VALUATION (CONTINUED)***

The following table summarizes the valuation of the Trust's investments in accordance with the above mentioned fair value hierarchy levels as of September 30, 2020:

	September 30, 2020	Fair Value Measurements Using		
		(Level 1 Inputs)	(Level 2 Inputs)	(Level 3 Inputs)
<b>Investment by Fair Value Level:</b>				
<b>Debt Securities</b>				
U.S. treasuries	\$ 4,853,052	\$ --	\$ 4,853,052	\$ --
U.S. agencies	85,317	--	85,317	--
Corporate bonds	32,513,772	--	32,513,772	--
Asset backed securities	4,532,101	--	4,532,101	--
Mortgage backed securities	24,928,157	--	24,928,157	--
International fixed income	3,601,538	--	3,601,538	--
<b>Total Debt Securities</b>	<u>70,513,937</u>	<u>--</u>	<u>70,513,937</u>	<u>--</u>
<b>Equity Securities</b>				
Domestic equities	147,483,754	147,483,754	--	--
International equities	205,257,965	205,257,965	--	--
<b>Total Equity Securities</b>	<u>352,741,719</u>	<u>352,741,719</u>	<u>--</u>	<u>--</u>
<b>Alternative Investments</b>				
Private equity	6,721,837	--	--	6,721,837
<b>Total Investments by Fair Value Level</b>	<u>429,977,493</u>	<u>\$ 352,741,719</u>	<u>\$ 70,513,937</u>	<u>\$ 6,721,837</u>
<b>Investments Measured at Net Asset Value (NAV)</b>				
Commingled domestic fixed income funds	321,608,537			
Commingled international equity funds	113,649,278			
Commingled domestic equity funds	366,787,339			
Real estate investment funds	126,274,230			
Venture capital private equity funds	176,286,272			
<b>Total Investments Measured at NAV</b>	<u>1,104,605,656</u>			
<b>Total Investments</b>	<u>\$ 1,534,583,149</u>			

**CITY OF MIAMI FIRE FIGHTERS’ AND POLICE OFFICERS’  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

**NOTE 3 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)**

***INVESTMENT VALUATION (CONTINUED)***

The following tables summarize investments as of September 30, 2020 for which fair value is measuring using the net asset value per share, including their related unfunded commitments and redemption restrictions.

<u>Investments Measured at NAV</u>	<u>Fair Value</u>	<u>Investments Measured at NAV</u>		
		<u>Unfunded Commitments</u>	<u>Redemption Frequency (If Currently Eligible)</u>	<u>Redemption Notice Period</u>
Commingled domestic fixed income funds (1)	\$ 321,608,537	\$ --	Daily	Same Day
Commingled international equity funds (2)	113,649,278	--	Daily	Same Day
Commingled domestic equity funds (3)	366,787,339	--	Daily	Same Day
Real estate investment funds (4)	126,274,230	--	Quarterly	45 days
Venture capital private equity funds (5)	<u>176,286,272</u>	<u>70,413,409</u>	N/A	N/A
<b>Total Investments Measured at NAV</b>	<b><u>\$1,104,605,656</u></b>	<b><u>\$ 70,413,409</u></b>		

1. Commingled domestic fixed income funds with established investment objectives to seek high income and capital growth by investing in U.S. high yield debt securities over a long-term period. These funds aim at hedging the foreign exchange risk resulting from the divergence between the reference currency of subfunds and the currency of share classes by using derivatives instruments.
2. Commingled international equity funds with globally diversified private equity programs that invest and seeks to measure the stocks representing the lowest 15% of float-adjusted market cap in key developed countries, excluding the U.S.
3. Commingled domestic equity funds which aim to pursue varying strategies in order to diversify risks and reduce volatility. These funds have a diversified portfolio of relative value and event driven hedge funds with a focus on U.S. holdings.

**CITY OF MIAMI FIRE FIGHTERS’ AND POLICE OFFICERS’  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 3 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)**

*INVESTMENT VALUATION (CONTINUED)*

4. Real estate investment funds are established for the purpose to acquire, own, hold for investment and ultimately dispose of investments in real estate. These funds strive to keep a diversified portfolio of income producing institutional properties throughout the US.
5. Venture capital private equity funds whose investment objective is investing primarily in private equity investments, including primary and secondary investments in private equity, infrastructure, and other private asset funds and co-investments in portfolio companies, although the allocation among those types of investments may vary from time to time.

**NOTE 4 – OFF-BALANCE-SHEET COMMITMENTS**

The Trust, in the normal course of business, enters into commitments with off-balance-sheet risk. The Trust adheres to the same credit policies, financial and administrative controls, and risk limiting and monitoring procedures for commitments as for on-balance-sheet investments. The majority of these future financial commitments are reported as part of the unfunded commitments for investments measured at NAV which are disclosed in Note 3 of the financial statements.

In addition to the unfunded commitments disclosed in Note 3, the Trust has future investment commitments outstanding for foreign private equity investments at September 30, 2020 of approximately €1,337,000 (euros), respectively.

**NOTE 5 – NET PENSION LIABILITY OF THE CITY**

The components of the net pension liability of the City at September 30, 2020 were as follows:

<b>Total Pension Liability</b>	\$ 2,227,232,505
Less: Plan fiduciary net position	<u>(1,566,130,574)</u>
<b>Net Pension Liability</b>	<u>\$ 661,101,931</u>
Plan Fiduciary Net Position as a % of the Total Pension Liability	70.32%

**CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS'  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 5 – NET PENSION LIABILITY OF THE CITY (CONTINUED)**

***SIGNIFICANT ACTUARIAL ASSUMPTIONS***

The total pension liability at September 30, 2020 was determined using an actuarial valuation as of October 1, 2019. The actuarial valuation used the following actuarial assumptions:

Inflation	2.60%
Projected salary increases	1.5% for promotions plus salary merit scale
Projected COLAs	Amount varies annually with the adjustment on January 1st
Investment rate of return	7.34% compounded annually, net of pension plan investment expense, including inflation.

Mortality rates are calculated with the Florida Retirement System projected using scale BB for all healthy retirees. Disabled Mortality rates are not projected.

***LONG-TERM EXPECT RATE OF RETURN***

The long-term expected rate of return on Plan investments was determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. Best estimates of arithmetic real rates of return for each major asset class included in the Trust's target asset allocation as of September 30, 2020 (see the discussion of the Trust's investment policy) are summarized in the following table:

Asset Class	*Long-term Expected Real Rates of Return
Domestic Fixed Income	1.78%
Foreign Fixed Income	0.00%
Domestic Equities	5.50%
International Equities	5.90%
Real Estate	4.73%
Private Equity	6.30%
Cash	0.00%

\* Real rates of return are net of the long-term inflation assumption of 2.60% for 2020.



**CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS'  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 5 – NET PENSION LIABILITY OF THE CITY (CONTINUED)**

***DISCOUNT RATE***

The discount rate used to measure the total pension liability was 7.34%, for 2020. The projection of cash flows used to determine the discount rate assumed that Trust member contributions will be made at the current contribution rates and that contributions from the City will be made at statutorily required rates, actuarially determined. Based on those assumptions, the Trust's fiduciary net position was projected to be available to make all projected future benefit payments of current Trust members. Therefore, the long term expected rate of return on pension Trust investments was applied to all periods of projected benefit payments to determine the total pension liability.

***SENSITIVITY OF THE NET PENSION LIABILITY TO CHANGES IN THE DISCOUNT RATE***

The following presents the net pension liability of the City using the discount rate of 7.34% for 2020, as well as what the employer net pension liability would if it were calculated using a discount rate that is 1-percentage-point lower or 1-percentage-point higher than the current rate:

	1% Decrease (6.34%)	Current Discount Rate (7.34%)	1% Increase (8.34%)
<b>City's Net Pension Liability</b>	<b><u>\$ 891,027,538</u></b>	<b><u>\$ 661,101,931</u></b>	<b><u>\$ 466,079,685</u></b>

**NOTE 6 – PROPERTY AND EQUIPMENT**

As of September 30, 2020, the property and equipment consist of:

		Estimated Useful Lives
Land	\$ 760,865	N/A
Building	1,666,306	39 years
Less: accumulated depreciation	(352,033)	
<b>Property and Equipment, Net</b>	<b>\$ 2,075,138</b>	

The depreciation expense for year ended September 30, 2020 was \$20,373.

**CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS'  
RETIREMENT TRUST**

**NOTES TO FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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**NOTE 7 – ADMINISTRATIVE EXPENSES REIMBURSEMENT**

For the fiscal year ended September 30, 2020 administrative costs of the Trust in the amount of \$2,210,096 were funded by the City of Miami and are accounted for as a part of the actuarially determined minimum required contributions from the City and are reflected in contributions from the City in the accompanying Statement of Changes in Fiduciary Net Position.

**NOTE 8 – RETIREMENT PLAN FOR STAFF**

The employees of the Trust participate in a separate plan sponsored by the City of Miami Fire Fighters' and Police Officers' Retirement Trust, which is a single-employer defined benefit pension plan. The employees' contribution is 7% of earnable compensation. Employee retirement contributions for the fiscal year ended September 30, 2020, totaled \$21,073.

The Trust, as employer, is to contribute such amounts as necessary to provide the Staff Plan with assets sufficient to meet the benefits to be paid to the participants. The employer contributions to the Plan for fiscal year ended September 30, 2020 were \$60,584.

**NOTE 9 – LEGAL MATTERS**

A suit was brought against the Trust in 2013 by a group of retirees claiming additional benefits. During the course of the litigation, all but one count was dismissed on sovereign immunity grounds. In September 2019, a final order of dismissal on the one remaining count was ordered by the Third District Court of Appeal, also on sovereign immunity grounds. A final judgment is pending entry by the trial court. The Trust is pursuing attorneys' fees and costs.

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**REQUIRED SUPPLEMENTARY INFORMATION**

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**CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS' RETIREMENT TRUST**

**REQUIRED SUPPLEMENTARY INFORMATION**

**SCHEDULE OF CHANGES IN THE CITY'S NET PENSION LIABILITY AND RELATED RATIOS (UNAUDITED)**

<b>September 30,</b>	2020	2019	2018	2017 (Restated)	2016	2015	2014
<b>Total Pension Liability</b>							
Service cost	\$ 33,703,733	\$ 30,947,329	\$ 27,965,925	\$ 26,279,333	\$ 21,625,163	\$ 19,203,823	\$ 17,233,272
Interest	160,096,512	152,192,907	149,244,425	146,548,443	156,265,650	156,479,438	155,338,970
Changes in benefit terms	4,270,406	55,386,337	--	122,641,436 (1)	--	9,453,429	--
Differences between expected and actual experience	46,795,554	32,027,954	21,728,074	15,553,948	12,725,721	(16,970,540)	(6,638,755)
Changes of assumptions	(82,872,814)	(5,024,797)	16,618,357	--	30,651,781	14,895,466	--
Benefit payments, including refunds of member contributions	<u>(164,416,994)</u>	<u>(156,798,207)</u>	<u>(156,093,286)</u>	<u>(151,375,376)</u>	<u>(166,203,470)</u>	<u>(165,535,327)</u>	<u>(139,860,276)</u>
<b>Net Change in Total Pension Liability</b>	<u>(2,423,603)</u>	<u>108,731,523</u>	<u>59,463,495</u>	<u>159,647,784</u>	<u>55,064,845</u>	<u>17,526,289</u>	<u>26,073,211</u>
<b>Total Pension Liability - Beginning</b>	2,229,656,108	2,120,924,585	2,184,102,526	2,222,547,481	2,167,482,636	2,149,956,347	2,123,883,136
Changes in benefit terms (1)	--	--	(122,641,436)	--	--	--	--
Restatement (2)	--	--	--	<u>(198,092,739)</u>	--	--	--
<b>Total Pension Liability - Ending</b>	<u>\$2,227,232,505</u>	<u>\$2,229,656,108</u>	<u>\$2,120,924,585</u>	<u>\$2,184,102,526</u>	<u>\$2,222,547,481</u>	<u>\$2,167,482,636</u>	<u>\$2,149,956,347</u>
<b>Plan Fiduciary Net Position</b>							
Contributions - employer	\$ 67,564,414	\$ 62,694,851	\$ 56,999,866	\$ 53,264,009	\$ 48,672,615	\$ 48,616,677	\$ 47,535,499
Contributions - member	15,820,796	16,309,563	14,258,763	13,206,378	12,082,805	9,317,231	9,462,569
Net investment income	88,163,893	73,863,324	102,296,007	136,351,212	132,946,827	35,844,550	132,696,604
Benefit payments, including refunds of member contributions	<u>(164,416,995)</u>	<u>(156,798,207)</u>	<u>(156,093,286)</u>	<u>(151,375,376)</u>	<u>(166,203,470)</u>	<u>(165,537,888)</u>	<u>(139,860,276)</u>
Administrative expense	<u>(2,210,096)</u>	<u>(2,128,469)</u>	<u>(2,086,709)</u>	<u>(2,058,797)</u>	<u>(2,029,168)</u>	<u>(2,222,561)</u>	<u>(2,086,240)</u>
Other	--	585,124	<u>(42,726)</u>	<u>(42,726)</u>	<u>(42,726)</u>	<u>(42,726)</u>	<u>989,372</u>
<b>Net Change in Plan Fiduciary Net Position</b>	4,922,012	<u>(5,473,814)</u>	15,331,915	49,344,700	25,426,883	<u>(74,024,717)</u>	48,737,528
<b>Plan Fiduciary Net Position - Beginning</b>	1,561,208,562	1,566,682,376	1,551,350,461	1,700,098,500	1,674,671,617	1,748,696,334	1,699,958,806
<b>Restatement</b>	--	--	--	<u>(198,092,739)</u>	--	--	--
<b>Plan Fiduciary Net Position - Ending</b>	<u>\$1,566,130,574</u>	<u>\$1,561,208,562</u>	<u>\$1,566,682,376</u>	<u>\$1,551,350,461</u>	<u>\$1,700,098,500</u>	<u>\$1,674,671,617</u>	<u>\$1,748,696,334</u>
<b>Net Pension Liability - Ending</b>	<u>\$ 661,101,931</u>	<u>\$ 668,447,546</u>	<u>\$ 554,242,209</u>	<u>\$ 632,752,065</u>	<u>\$ 522,448,981</u>	<u>\$ 492,811,019</u>	<u>\$ 401,260,013</u>

(1) See "Total Pension Liability Adjustment" description in notes to required supplementary information.

(2) Restated for elimination of DROP assets and related activity. There was no effect on the City's net pension liability.

*This schedule is presented as required by accounting principles generally accepted in the United States of America, however, until a full 10-year trend is compiled, information is presented for those years available.*

(Continued)

**CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS' RETIREMENT TRUST**

**REQUIRED SUPPLEMENTARY INFORMATION**

**SCHEDULE OF CHANGES IN THE CITY'S NET PENSION LIABILITY AND RELATED RATIOS (UNAUDITED) (CONTINUED)**

September 30,	2020	2019	2018	2017 (Restated)	2016	2015	2014
<b>Total Pension Liability</b>	\$ 2,227,232,505	\$ 2,229,656,108	\$ 2,120,924,585	\$ 2,184,102,526	\$ 2,222,547,481	\$ 2,167,482,636	\$ 2,149,956,347
<b>Plan Fiduciary Net Position</b>	<u>(1,566,130,574)</u>	<u>(1,561,208,562)</u>	<u>(1,566,682,376)</u>	<u>(1,551,350,461)</u>	<u>(1,700,098,500)</u>	<u>(1,674,671,617)</u>	<u>(1,748,696,334)</u>
<b>City's Net Pension Liability</b>	<u>\$ 661,101,931</u>	<u>\$ 668,447,546</u>	<u>\$ 554,242,209</u>	<u>\$ 632,752,065</u>	<u>\$ 522,448,981</u>	<u>\$ 492,811,019</u>	<u>\$ 401,260,013</u>
<b>Plan Fiduciary Net Position as a Percentage of the Total Pension Liability</b>	70.32%	70.02%	73.87%	71.03%	76.49%	77.26%	81.34%
<b>Covered Payroll<sup>(3)</sup></b>	\$ 168,059,448	\$ 166,670,939	\$ 141,497,840	\$ 133,083,231	\$ 106,278,376	\$ 93,705,765	\$ 85,222,842
<b>City's Net Pension Liability as a Percentage of Covered Payroll</b>	393.37%	401.06%	391.70%	475.46%	491.59%	525.91%	470.84%
<b>Total Payroll Including DROP Participants</b>	\$ 184,484,315	\$ 176,975,203	\$ 159,787,486	\$ 153,785,532	\$ 133,966,173	\$ 127,786,644	\$ 124,563,050

(3) Covered payroll is as of September 30, of the prior fiscal year.

*This schedule is presented as required by accounting principles generally accepted in the United States of America, however, until a full 10-year trend is compiled, information is presented for those years available.*

# CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS' RETIREMENT TRUST

## REQUIRED SUPPLEMENTARY INFORMATION

### SCHEDULE OF CITY CONTRIBUTIONS (UNAUDITED)

	2020	2019	2018	2017	2016
Actuarially determined contribution	\$ 67,564,414	\$ 62,694,851	\$ 56,999,866	\$ 53,264,009	\$ 48,672,615
Contributions in relation to the actuarially determined contribution	<u>67,564,414</u>	<u>62,694,851</u>	<u>56,999,866</u>	<u>53,264,009</u>	<u>48,672,615</u>
<b>Contribution Deficiency (Excess)</b>	<u>\$ --</u>	<u>\$ --</u>	<u>\$ --</u>	<u>\$ --</u>	<u>\$ --</u>
Covered payroll <sup>(1)</sup>	\$ 176,635,568	\$ 168,059,448	\$ 166,670,939	\$ 141,497,840	\$ 133,083,231
Contributions as a percentage of covered payroll	38.25%	37.31%	34.20%	37.64%	36.57%
	2015	2014	2013	2012	2011
Actuarially determined contribution	\$ 48,616,677	\$ 47,305,679	\$ 45,412,248	\$ 47,418,316	\$ 47,156,797
Contributions in relation to the actuarially determined contribution	<u>48,616,677</u>	<u>47,305,679</u>	<u>45,412,248</u>	<u>47,418,316</u>	<u>47,156,797</u>
<b>Contribution Deficiency (Excess)</b>	<u>\$ --</u>	<u>\$ --</u>	<u>\$ --</u>	<u>\$ --</u>	<u>\$ --</u>
Covered payroll <sup>(1)</sup>	\$ 106,278,378	\$ 93,705,765	\$ 85,222,842	\$ 82,205,838	\$ 82,164,617
Contributions as a percentage of covered payroll	45.74%	50.48%	53.29%	57.68%	57.39%

(1) Covered payroll is as of September 30, the fiscal year end date.

**CITY OF MIAMI FIRE FIGHTERS’ AND POLICE OFFICERS’  
RETIREMENT TRUST**

**NOTES TO REQUIRED SUPPLEMENTARY INFORMATION**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020**

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***Total Pension Liability Adjustment.*** For the fiscal year 2017, the GASB Statement No. 67 and No. 68 report, the actuary included the impact of the full restoration of benefits under Supreme Court Ruling which increased both the total pension liability and pension expense by \$122.6 million. Since the restoration of benefits was under negotiation, the Board decided not to include the impact of the restoration of benefits in the October 1, 2017 funding valuation. As a result of this determination, in the September 30, 2018 GASB Statement No. 67 and No. 68 report, the actuary reduced the beginning pension liability by \$122.6 million. The pension liability reported by the actuary as of September 30, 2018 does not include any impact from this Supreme Court ruling. This matter was resolved.

***Method and assumptions used in calculations of the City’s actuarially determined contributions.*** The actuarially determined contribution rates in the schedule of the City’s contributions are calculated as of October 1, two years prior to the end of the fiscal year in which contributions are reported. Unless otherwise noted above, the following actuarial methods and assumptions were used to determine contribution rates reported in the Schedule of the City’s contributions.

Valuation Date	October 1, 2018
Actuarial cost method	Aggregate Cost Method
Asset valuation method	20% Write-Up Method: Expected actuarial value and actual market value (net of pending transfers to the COLA fund)
Interest Rates	7.34% net of investment expenses
Inflation	3.25%
Projected salary increases	1.5% for promotions plus salary merit scale
Mortality Rates:	
Healthy	Florida Retirement System special risk mortality projected generationally with scale BB
Disabled	100% of the assumed deaths are expected to be ordinary deaths

# CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS' RETIREMENT TRUST

## REQUIRED SUPPLEMENTARY INFORMATION

### SCHEDULE OF INVESTMENT RETURNS (UNAUDITED)

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September 30,	2020	2019	2018	2017	2016	2015	2014
Annual money-weighted rate of return, net of investment expense	6.17%	5.39%	7.48% *	9.22%	9.70%	1.84%	8.60%

\* Restated

*This schedule is presented as required by accounting principles generally accepted in the United States of America, however, until a full 10-year trend is compiled, information is presented for those years available.*



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## **SUPPLEMENTARY INFORMATION**

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**CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS'  
RETIREMENT TRUST**

**SUPPLEMENTARY INFORMATION  
SCHEDULE OF INVESTMENT EXPENSES**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020  
(WITH COMPARATIVE TOTALS FOR THE YEAR ENDED SEPTEMBER 30, 2019)**

	2020	2019
<b>Equities</b>		
Barrow Hanley	\$ 395,962	\$ 377,484
BGI/Black Rock	21,619	15,097
Boston Partners	391,801	228,223
Center Square Partners	409,681	411,041
Champlain Investments	482,451	466,305
Copper Rock	179,244	210,400
Eagle Asset Management	210,451	106,078
First Eagle	921,194	896,417
<b>Total Equities</b>	<b>3,012,403</b>	<b>2,711,045</b>
<b>Debt Securities</b>		
AXA U.S. High Yield	236,568	258,258
Barrow Hanley	312,866	281,498
Dodge & Cox	237,717	225,465
Munder Capital	144,608	175,919
Wellington International	859,458	797,036
<b>Total Debt Securities</b>	<b>1,791,217</b>	<b>1,738,176</b>
<b>Real Estate</b>		
Proxy Voting	10,000	8,000
J.P. Morgan	1,775,291	1,086,957
<b>Total Real Estate</b>	<b>1,785,291</b>	<b>1,094,957</b>
<b>Other</b>	<b>5,165</b>	<b>5,253</b>
<b>Total Investment Expenses</b>	<b>\$ 6,594,076</b>	<b>\$ 5,549,431</b>

**CITY OF MIAMI FIRE FIGHTERS' AND POLICE OFFICERS'  
RETIREMENT TRUST**

**SUPPLEMENTARY INFORMATION  
SCHEDULE OF ADMINISTRATIVE EXPENSES**

**FOR THE YEAR ENDED SEPTEMBER 30, 2020  
(WITH COMPARATIVE TOTALS FOR THE YEAR ENDED SEPTEMBER 30, 2019)**

	2020	2019
<b>Personnel Services</b>		
Salaries and payroll taxes	\$ 506,208	\$ 502,317
Fringe benefits	77,791	89,558
<b>Total Personnel Services</b>	583,999	591,875
<b>Professional Services</b>		
Actuarial	118,537	124,261
Audit	52,810	47,614
Consultant and custodial	833,082	654,315
Legal	70,155	71,238
Medical	2,200	200
<b>Total Professional Services</b>	1,076,784	897,628
<b>Other</b>		
Education and travel	10,957	68,761
Insurance	143,970	130,169
Office expense	191,324	178,241
Repair and maintenance	105,476	186,525
Retirement contribution	75,586	49,957
Utilities	22,000	25,313
<b>Total Other</b>	549,313	638,966
<b>Total Administrative Expense</b>	\$ 2,210,096	\$ 2,128,469

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## **REPORTING SECTION**

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**INDEPENDENT AUDITORS' REPORT ON INTERNAL CONTROL OVER  
FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED  
ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE  
WITH *GOVERNMENT AUDITING STANDARDS***

To the Board of Trustees and Plan Administrator  
**City of Miami Fire Fighters' and Police Officers' Retirement Trust**

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of City of Miami Fire Fighters' and Police Officers' Retirement Trust (the "Trust"), which collectively comprise the statement of fiduciary net position as of September 30, 2020, and the related statement of changes in fiduciary net position for the year then ended, and the related notes to the financial statements, and have issued our report thereon dated February 19, 2021.

***Internal Control Over Financial Reporting***

In planning and performing our audit of the financial statements, we considered the Trust's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Trust's internal control. Accordingly, we do not express an opinion on the effectiveness of the Trust's internal control.

*A deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. *A material weakness* is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented or detected and corrected on a timely basis. *A significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

### ***Compliance and Other Matters***

As part of obtaining reasonable assurance about whether the Trust's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

### ***Purpose of this Report***

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

*Marcum LLP*

Miami, FL  
February 19, 2021