



**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
FINANCIAL STATEMENTS
FOR THE FISCAL YEARS ENDED
SEPTEMBER 30, 2018 AND 2017**

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
FINANCIAL STATEMENTS
FOR THE FISCAL YEARS ENDED SEPTEMBER 30, 2018 AND 2017**

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INDEPENDENT AUDITOR'S REPORT

Board of Trustees
City of Palm Bay
Police and Firefighters' Retirement System
Palm Bay, Florida

Report on the Financial Statements

We have audited the accompanying financial statements of the City of Palm Bay Police and Firefighters' Retirement System (the "System") as of and for the year ended September 30, 2018, and the related notes to the financial statements, as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management of the System 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.

Auditor's 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 *Government 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 financial statements referred to above present fairly, in all material respects, the financial position of the System as of September 30, 2018 and the changes in financial position for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Emphasis of Matter

As discussed in Note 1, the financial statements present only the City of Palm Bay Police and Firefighters' Retirement System and do not purport to, and do not present fairly, the financial position of the City of Palm Bay, Florida, as of September 30, 2018, and the changes in its financial position for the year then ended in accordance with accounting principles generally accepted in the United States of America. Our opinion is not modified with respect to this matter.

Prior Period Financial Statements

The financial statements of the City of Palm Bay Police and Firefighters' Retirement System as of and for the year ended September 30, 2017, were audited by a predecessor who issued an unmodified opinion dated February 13, 2018.

Other Matters*Required Supplementary Information*

Accounting principles generally accepted in the United States of America require that the Management's Discussion and Analysis on pages 4-9 and Schedule of Changes in the City's Net Pension Liability and Related Ratios, Schedule of Contributions and Schedule of Investment Returns on pages 34-39 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Government Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic 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 basic financial statements and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Information

Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise the System's basic financial statements. The other supplementary information listed in the table of contents is presented for purposes of additional analysis and is not a required part of the basic financial statements.

The other supplementary information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic

financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the other supplementary information is fairly stated, in all material respects, in relation to the basic 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 January 18, 2019, on our consideration of the System's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements, and other matters. The purpose of that report is 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 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 System's internal control over financial reporting and compliance.

Bradenton, Florida
January 18, 2019

A handwritten signature in cursive script that reads "Mauldin & Jenkins, LLC". The signature is written in black ink and is positioned to the right of the date and location text.

CITY OF PALM BAY POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
MANAGEMENT'S DISCUSSION AND ANALYSIS
SEPTEMBER 30, 2018
(Unaudited)

Our discussion and analysis of the City of Palm Bay Police and Firefighters' Retirement System (the "System"). Financial performance provides an overview of the System's financial activities for the fiscal years ended September 30, 2018 and 2017. Its purpose is to provide explanations and insights into the information presented in the financial statements notes to the financial statements and required supplementary information. Please read it in conjunction with the System's financial statements, which follow this discussion.

Financial Highlights

- The System's assets exceeded its liabilities at the close of fiscal years ended September 30, 2018 and 2017, by \$197,644,951 and \$187,102,113, respectively (reported as net position, restricted for pensions). The System's net position is held in trust to meet future benefit payments. The increase of \$10,542,838 has resulted primarily from the changes in the fair value of the System's investments due to favorable financial markets.
- For the fiscal year ended September 30, 2018, receivables decreased \$(1,086,864) (or -46%) due primarily to a decrease in due from broker.

For the fiscal year ended September 30, 2017, receivables increased \$1,260,040 (or 114%) due primarily to an increase in due from the broker.

- For the fiscal year ended September 30, 2018, employer contributions to the System increased \$835,981 (or 25%). Actual employer contributions as determined by the System's actuary were \$4,146,994 and \$3,311,013 for 2018 and 2017, respectively.

For the fiscal year ended September 30, 2017, employer contributions to the System decreased by \$405,844 (or 11%). Actual employer contributions as determined by the System's actuary were \$3,716,857 and \$3,788,313 for 2016 and 2015, respectively.

- For the fiscal year ended September 30, 2018, employee contributions including buybacks decreased by \$(1,888) (or 0%). Actual employee contributions, including buybacks and employee purchases for additional pensionable compensation, were \$1,176,425 and \$1,178,313 for 2018 and 2017, respectively. Routine employee contributions have increased by \$26,432, however buyback contributions decreased by \$28,320.

For the fiscal year ended September 30, 2017, employee contributions including buybacks increased by \$54,250 (or 5%). Actual employee contributions, including buybacks and employee purchases for additional pensionable compensation, were \$1,178,313 and \$1,124,063 for 2017 and 2016, respectively. Employee contributions have fluctuated from year to year, based on the number of active members, salaries and buyback contributions.

CITY OF PALM BAY POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
MANAGEMENT'S DISCUSSION AND ANALYSIS
SEPTEMBER 30, 2018
(Unaudited)

- For the fiscal year ended September 30, 2018, the System had net investment income of \$16,492,467, and \$19,198,475 for the fiscal year ended 2017. Actual results were \$11,896,633 and \$15,274,813 of net appreciation (depreciation) in fair value of investments for the fiscal years ended 2018 and 2017, respectively, and \$5,656,561 and \$4,897,132 of income from interest and dividends for the fiscal years ended 2018 and 2017, respectively. Investment expenses increased by \$86,352 (or 9%).

For the fiscal year ended September 30, 2017, the System had investment income of \$19,198,475, and \$14,794,230 for the fiscal year ended September 30, 2016. Actual results were \$15,274,813 and \$10,836,572 of net appreciation (depreciation) in fair value of investments for the fiscal years ended 2017 and 2016, respectively, and \$4,897,132 and \$4,872,639 of income from interest and dividends for the fiscal years ended 2017 and 2016, respectively. Investment expenses increased by \$64,699 (or 7%).

- For the fiscal year ended September 30, 2018, benefit payments increased by \$1,191,012 (or 11%). Refunds of contributions increased by \$151,635 (or 266%). Police refunds represented approximately 80% of total refunds.

For the fiscal year ended September 30, 2017, benefit payments increased by \$1,259,124 (or 13%). Refunds of contributions decreased by \$194,851 (or 77%). Police and Firefighters refunds each represented approximately 50% of total refunds.

- For the fiscal year ended September 30, 2018, administrative expenses increased by \$2,245 from 2017 (or 0%).

For the fiscal year ended September 30, 2017, administrative expenses increased by \$45,190 from 2016 (or 9%) due primarily to an increase in payments for professional services.

Plan Highlights

The Palm Bay Police and Firefighters' Retirement System was formed in 1974, and celebrated its 44th year as a plan in 2018. The projected trends reflect a steady but slowing increase in normal membership retirements and Deferred Retirement Option Program (DROP) participation, over the next five years, of members reaching normal retirement of age 55 or 25 years of service, regardless of age.

The Palm Bay Police and Firefighters' Retirement System has consistently occasionally achieved, in most cases, its one to ten year fiduciary goals and objectives. The board continues to offer increased availability and service to active and retired police officers and firefighters, still providing a community-minded responsible board making sound, informed financial decisions in the best interest of the membership and the City.

CITY OF PALM BAY POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
MANAGEMENT'S DISCUSSION AND ANALYSIS
SEPTEMBER 30, 2018
(Unaudited)

The total market return for the year ended September 30, 2018, was 9.6%, while the total market return for the year ended September 30, 2017, was 12.2%. The best performing asset category during both years was small cap securities. Overall, actual net returns from investments were positive in 2018 and 2017 primarily due to favorable financial markets.

Overview of the Financial Statements

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

The System presents required supplementary schedules, which include historical trend information about the System.

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

Description of the Financial Statements

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

The *Statement of Changes in Fiduciary Net Position* reports how the System's net position changes during the fiscal year. The additions and deductions to net position are summarized in this statement. The additions include contributions to the retirement plans from employers and members (employees) and net investment income, which include interest, dividends, investment expenses, and the net (depreciation) appreciation in the fair value of investments. The deductions include benefit payments, refunds of members (employees) 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 System, contributions, significant accounting policies, funding policy, and investment risk disclosure.

There is also *Required Supplementary Information* included in this report as required by the Governmental Accounting Standards Board. The schedules consist of the System's actuarial methods and assumptions and provide data on changes in the City's net pension liability, the City's contributions, and the System's investment returns.

**CITY OF PALM BAY POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
MANAGEMENT'S DISCUSSION AND ANALYSIS
SEPTEMBER 30, 2018
(Unaudited)**

Additional information is presented as part of *Other Supplementary Schedules*. 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 System and includes financial management, consultant, and custodial fees. The *Schedule of Administrative Expenses* presents the expenses incurred in administration of the System.

Condensed Statements of Fiduciary Net Position

The table below reflects condensed comparative statements of Fiduciary Net Position as of September 30:

	2018	2017	Increase/ (Decrease)	%Change
Cash and cash equivalents	\$ 4,828,011	\$ 6,047,521	\$ (1,219,510)	-20%
Receivables	1,278,592	2,365,456	(1,086,864)	(46)
Investments	193,456,048	181,981,162	11,474,886	6
Other assets	38,660	35,310	3,350	9
Total assets	<u>199,601,311</u>	<u>190,429,449</u>	<u>9,171,862</u>	<u>5</u>
Liabilities	<u>1,956,360</u>	<u>3,327,336</u>	<u>(1,370,976)</u>	<u>(41)</u>
Net position restricted for pensions	<u>\$ 197,644,951</u>	<u>\$ 187,102,113</u>	<u>\$ 10,542,838</u>	<u>6%</u>

	2017	2016	Increase/ (Decrease)	%Change
Cash and cash equivalents	\$ 6,047,521	\$ 7,290,039	\$ (1,242,518)	(-17)%
Receivables	2,365,456	1,105,416	1,260,040	114
Investments	181,981,162	167,552,546	14,428,616	9
Other assets	35,310	34,411	899	3
Total assets	<u>190,429,449</u>	<u>175,982,412</u>	<u>14,447,037</u>	<u>8</u>
Liabilities	<u>3,327,336</u>	<u>2,546,642</u>	<u>780,694</u>	<u>31</u>
Net position restricted for pensions	<u>\$ 187,102,113</u>	<u>\$ 173,435,770</u>	<u>\$ 13,666,343</u>	<u>8%</u>

CITY OF PALM BAY POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
MANAGEMENT'S DISCUSSION AND ANALYSIS
SEPTEMBER 30, 2018
(Unaudited)

Condensed Statements of Changes in Fiduciary Net Position

The table below reflects a condensed comparative summary of the changes in Plan Fiduciary Net Position and reflects the activities of the System for the fiscal years ended September 30:

	2018	2017	Increase/ (Decrease)	
Additions				
Contributions				
Employer	\$ 4,146,994	\$ 3,311,013	\$ 835,981	25%
Employee	1,159,348	1,132,916	26,432	2
State	1,316,606	1,223,304	93,302	8
Employee buybacks	17,077	45,397	(28,320)	(62)
Total contributions	<u>6,640,025</u>	<u>5,712,630</u>	<u>927,395</u>	<u>16</u>
Net investment income	<u>16,492,467</u>	<u>19,198,475</u>	<u>(2,706,008)</u>	<u>(14)</u>
Total additions	<u>23,132,492</u>	<u>24,911,105</u>	<u>(1,778,613)</u>	<u>(7)</u>
Deductions				
Benefit payments	11,824,981	10,633,969	1,191,012	11
Refunds of contributions	208,617	56,982	151,635	266
Administrative expenses	556,056	553,811	2,245	NM
Total deductions	<u>12,589,654</u>	<u>11,244,762</u>	<u>1,344,892</u>	<u>0</u>
Net increase	<u>10,542,838</u>	<u>13,666,343</u>	<u>(3,123,505)</u>	<u>(23)</u>
Net position restricted pensions- Beginning of year	<u>187,102,113</u>	<u>173,435,770</u>	<u>13,666,343</u>	<u>8</u>
Net position restricted pensions- End of year	<u>\$ 197,644,951</u>	<u>\$ 187,102,113</u>	<u>\$ 10,542,838</u>	<u>6</u>
	2017	2016	Increase/ (Decrease)	
Additions				
Contributions				
Employer	\$ 3,311,013	\$ 3,716,857	\$ (405,844)	(-11)%
Employee	1,132,916	1,124,063	8,853	1
State	1,223,304	1,244,750	(21,446)	(2)
Employee buybacks	45,397	-	45,397	100
Total contributions	<u>5,712,630</u>	<u>6,085,670</u>	<u>(373,040)</u>	<u>(6)</u>
Net investment income	<u>19,198,475</u>	<u>14,794,230</u>	<u>4,404,245</u>	<u>30</u>
Total additions	<u>24,911,105</u>	<u>20,879,900</u>	<u>4,031,205</u>	<u>19</u>
Deductions				
Benefit payments	10,633,969	9,374,845	1,259,124	13
Refunds of contributions	56,982	251,833	(194,851)	(77)
Administrative expenses	553,811	508,621	45,190	9
Total deductions	<u>11,244,762</u>	<u>10,135,299</u>	<u>1,109,463</u>	<u>11</u>
Net increase	<u>13,666,343</u>	<u>10,744,601</u>	<u>2,921,742</u>	<u>27</u>
Net position restricted pensions- Beginning of year	<u>173,435,770</u>	<u>162,691,169</u>	<u>10,744,601</u>	<u>7</u>
Net position restricted pensions- End of year	<u>\$ 187,102,113</u>	<u>\$ 173,435,770</u>	<u>\$ 13,666,343</u>	<u>8</u>

The System's investment activity, measured as of the end of any month, quarter or year, is a function of the underlying marketplace for the period measured and the investment policy's asset allocation. Actual returns for fiscal year September 30, 2018, decreased from the fiscal year ended September 30, 2017, and increased from the fiscal year ended September 30, 2016.

**CITY OF PALM BAY POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
MANAGEMENT'S DISCUSSION AND ANALYSIS
SEPTEMBER 30, 2018
(Unaudited)**

The benefit payments are a function of changing payments to retirees, their beneficiary (if the retiree is deceased) and new retirements during the period.

Asset Allocation

At the end of fiscal year September 30, 2018, the domestic equity portion comprised 39% or \$77,603,720 of the total portfolio, which consists of common stocks and domestic equity funds. The allocation to fixed income securities was 20% or \$39,907,293 while cash and cash equivalents comprised 2% or \$4,828,011. The portion of investments allocated to international equity represented 14% or \$26,964,122 of the total portfolio and real estate represented 11% or \$22,017,532, while convertible securities represented 10% or \$20,671,317 of the total portfolio. The allocation of master limited partnership was 3% or \$6,292,064. The \$4,828,011 or 2% in cash and cash equivalents includes a payout expense account to disburse monthly plan expenses and benefit payments. This lowers operating costs of the System by reducing fees previously incurred in raising cash on a bi-weekly basis.

At the end of fiscal year September 30, 2017, the domestic equity portion comprised 36% or \$68,614,227 of the total portfolio, which consists of common stocks and domestic equity funds. The allocation to fixed income securities was 21% or \$ 39,418,496 while cash and cash equivalents comprised 3% or \$6,047,521. The portion of investments allocated to international equity represented 16% or \$28,624,072 of the total portfolio and real estate represented 11% or \$20,363,314, while convertible securities represented 10% or \$19,004,593 of the total portfolio. The allocation of master limited partnership was 3% or \$5,956,459. The 3% in cash and cash equivalents includes a payout expense account to disburse monthly plan expenses and benefit payments. This lowers operating costs of the System by reducing fees previously incurred in raising cash on a bi-weekly basis.

The target asset allocation as of September 30, was as follows:

2018	2017	
35%	35%	Domestic Equity
25%	25%	Fixed Income
10%	10%	Real Estate
15%	15%	International Equity
10%	10%	Convertible Securities
5%	5%	Master Limited Partnership

Contacting the System'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 System's finances and to demonstrate the System's accountability for the money it receives. If you have any questions about this report or need additional financial information, contact the City of Palm Bay Police and Firefighters Retirement System, 1501 Robert J. Conlan Boulevard, Suite 240, Palm Bay, Florida 32905 or call (321) 724-8877.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
STATEMENTS OF FIDUCIARY NET POSITION
AS OF SEPTEMBER 30, 2018**

	Police Officers	Fire Fighters	General Employees	Total
Assets				
Cash and cash equivalents	\$ 2,859,172	\$ 1,963,324	\$ 5,515	\$ 4,828,011
Investments, at fair value:				
Common stocks	40,426,502	27,019,380	-	67,445,882
Domestic equity funds	6,178,905	3,853,216	125,717	10,157,838
U.S. Government securities	18,221,670	12,391,960	-	30,613,630
Corporate bonds	4,959,069	3,236,761	-	8,195,830
Bond funds	-	-	69,010	69,010
International equity funds	14,147,879	13,844,866	-	27,992,745
Real estate funds	11,008,766	11,008,766	-	22,017,532
Convertible securities	10,420,253	10,251,064	-	20,671,317
Master limited partnership	3,146,132	3,146,132	-	6,292,264
Total investments	108,509,176	84,752,145	194,727	193,456,048
Receivables:				
Accrued interest and dividends	189,650	141,755	-	331,405
Due from broker	472,053	373,347	-	845,400
Other	91,707	10,080	-	101,787
Due to/from other funds	946	232	(1,178)	-
Total receivables	754,356	525,414	(1,178)	1,278,592
Other assets	21,627	16,949	84	38,660
Total assets	\$ 112,144,331	\$ 87,257,832	\$ 199,148	\$ 199,601,311
Liabilities				
Accounts payable and other liabilities	\$ 160,319	127,710	\$ 50	\$ 288,079
Deferred city contributions	-	16,106	-	16,106
Due to broker	927,900	724,275	-	1,652,175
Total liabilities	\$ 1,088,219	868,091	\$ 50	\$ 1,956,360
Net position, restricted for pensions	\$ 111,056,112	\$ 86,389,741	\$ 199,098	\$ 197,644,951

See accompanying notes to financial statements.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
STATEMENTS OF FIDUCIARY NET POSITION
AS OF SEPTEMBER 30, 2017**

	Police Officers	Fire Fighters	General Employees	Total
Assets				
Cash and cash equivalents	\$ 3,378,082	\$ 2,662,834	\$ 6,605	\$ 6,047,521
Investments, at fair value:				
Common stocks	32,937,968	25,964,928	-	58,902,896
Domestic equity funds	5,361,995	4,225,711	123,624	9,711,330
U.S. Government securities	17,687,251	12,113,739	-	29,800,990
Corporate bonds	4,320,035	5,233,902	-	9,553,937
Bond funds	-	-	63,569	63,569
International equity funds	16,006,589	12,617,483	-	28,624,072
Real estate funds	11,387,171	8,976,143	-	20,363,314
Convertible securities	10,627,374	8,377,220	-	19,004,594
Master limited partnership	3,330,854	2,625,606	-	5,956,460
Total investments	<u>101,659,237</u>	<u>80,134,732</u>	<u>187,193</u>	<u>181,981,162</u>
Receivables:				
Accrued interest and dividends	174,400	131,589	-	305,989
Due from broker	1,243,171	750,407	-	1,993,578
Other	1,602	64,287	-	65,889
Due to/from other funds	2,454	2,082	(4,536)	-
Total receivables	<u>1,421,627</u>	<u>948,365</u>	<u>(4,536)</u>	<u>2,365,456</u>
Other assets	<u>19,324</u>	<u>15,904</u>	<u>82</u>	<u>35,310</u>
Total assets	<u>\$ 106,478,270</u>	<u>\$ 83,761,835</u>	<u>\$ 189,344</u>	<u>\$ 190,429,449</u>
Liabilities				
Accounts payable and other liabilities	\$ 153,243	\$ 118,338	\$ 42	\$ 271,623
Deferred retirement option benefits due and currently payable	-	209,405	-	209,405
Deferred city contributions	1,615	-	-	1,615
Due to broker	1,712,385	1,132,308	-	2,844,693
Total liabilities	<u>\$ 1,867,243</u>	<u>\$ 1,460,051</u>	<u>\$ 42</u>	<u>\$ 3,327,336</u>
Net position, restricted for pensions	<u>\$ 104,611,027</u>	<u>\$ 82,301,784</u>	<u>\$ 189,302</u>	<u>\$ 187,102,113</u>

See accompanying notes to financial statements .

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
STATEMENTS OF CHANGES IN FIDUCIARY NET POSITION
FOR THE YEARS ENDED SEPTEMBER 30, 2018**

	Police Officers	Fire Fighters	General Employees	Total
Additions				
Contributions				
Employer	\$ 1,699,342	\$ 2,447,652	\$ -	\$ 4,146,994
Employee	638,421	520,927	-	1,159,348
State	793,726	522,880	-	1,316,606
Employee buybacks	17,077	-	-	17,077
Total contributions	<u>3,148,566</u>	<u>3,491,459</u>	<u>-</u>	<u>6,640,025</u>
Investment income				
Net appreciation in fair value of investments	7,224,686	4,657,153	14,794	11,896,633
Interest and dividends	3,050,780	2,601,826	3,955	5,656,561
Miscellaneous	2,979	2,321	5	5,305
Total investment income	<u>10,278,445</u>	<u>7,261,300</u>	<u>18,754</u>	<u>17,558,499</u>
Less investment expenses	589,693	476,188	151	1,066,032
Net investment income	<u>9,688,752</u>	<u>6,785,112</u>	<u>18,603</u>	<u>16,492,467</u>
Total additions	<u>12,837,318</u>	<u>10,276,571</u>	<u>18,603</u>	<u>23,132,492</u>
Deductions				
Benefits paid	5,919,212	5,901,654	4,115	11,824,981
Refunds of contributions	166,670	41,947	-	208,617
Administrative expenses	306,351	245,013	4,692	556,056
Total deductions	<u>6,392,233</u>	<u>6,188,614</u>	<u>8,807</u>	<u>12,589,654</u>
Net increase	6,445,085	4,087,957	9,796	10,542,838
Net position, restricted for pensions				
Beginning of year	<u>104,611,027</u>	<u>82,301,784</u>	<u>189,302</u>	<u>187,102,113</u>
End of year	<u>\$ 111,056,112</u>	<u>\$ 86,389,741</u>	<u>\$ 199,098</u>	<u>\$ 197,644,951</u>

See accompanying notes to financial statements.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
STATEMENTS OF CHANGES IN FIDUCIARY NET POSITION
FOR THE YEARS ENDED SEPTEMBER 30, 2017**

	Police Officers	Fire Fighters	General Employees	Total
Additions				
Contributions				
Employer	\$ 1,115,056	\$ 2,195,957	\$ -	\$ 3,311,013
Employee	621,675	511,241	-	1,132,916
State	716,530	506,774	-	1,223,304
Employee buybacks	45,397	-	-	45,397
Total contributions	<u>2,498,658</u>	<u>3,213,972</u>	<u>-</u>	<u>5,712,630</u>
Investment income				
Net appreciation in fair value of investments	8,612,330	6,653,205	9,278	15,274,813
Interest and dividends	2,659,699	2,226,226	11,207	4,897,132
Miscellaneous	3,469	2,735	6	6,210
Total investment income	<u>11,275,498</u>	<u>8,882,166</u>	<u>20,491</u>	<u>20,178,155</u>
Less investment expenses	541,012	438,547	121	979,680
Net investment income	<u>10,734,486</u>	<u>8,443,619</u>	<u>20,370</u>	<u>19,198,475</u>
Total additions	<u>13,233,144</u>	<u>11,657,591</u>	<u>20,370</u>	<u>24,911,105</u>
Deductions				
Benefits paid	5,302,403	5,327,451	4,115	10,633,969
Refunds of contributions	27,124	29,858	-	56,982
Administrative expenses	309,357	240,084	4,370	553,811
Total deductions	<u>5,638,884</u>	<u>5,597,393</u>	<u>8,485</u>	<u>11,244,762</u>
Net increase	7,594,260	6,060,198	11,885	13,666,343
Net position, restricted for pensions				
Beginning of year	<u>97,016,767</u>	<u>76,241,586</u>	<u>177,417</u>	<u>173,435,770</u>
End of year	<u>\$ 104,611,027</u>	<u>\$ 82,301,784</u>	<u>\$ 189,302</u>	<u>\$ 187,102,113</u>

See accompanying notes to financial statements.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 1 – DESCRIPTION OF THE SYSTEM

Organization

The City of Palm Bay Police and Firefighters Retirement System (the "System") is a single employer defined benefit plan established by the City of Palm Bay, Florida (the "City"). The System reflects the provisions and requirements of Ordinance No. 74-9, as amended. Since the System is sponsored by the City, the System is included as a pension trust fund in the City's comprehensive annual financial report as part of the City's financial reporting entity. These financial statements are only for the System and are not intended to present the basic financial statements of the City. Participants should refer to the System summary for more detailed and comprehensive information.

The System's governing board is made up of a Board of Trustees consisting of 5 members:

- Two are appointed by the City Commission
- Two are elected by the System's members and are active participants
- One is appointed by the Board of Trustees and is a retired member

Participants

Participants are the police officers and firefighters with permanent status in the Police and Fire Department of the City of Palm Bay, Florida. General employees were eligible to receive benefits if participating in the System prior to the formation of the defined contribution plan for the City general employees. Firefighter members are further divided in the following two tiers.

- Tier One members are those firefighters hired prior to March 15, 2012.
- Tier Two members are those firefighters hired on or after March 15, 2012.

Membership

As of October 1, 2017 and 2016, membership in the System consisted of:

	2017			2016		
	Police Officers	Fire Fighters	General Employees	Police Officers	Fire Fighters	General Employees
Retirees and beneficiaries currently receiving benefits and terminated employees entitled to benefits but not yet receiving them	114	93	2	108	84	2
Current employees						
Vested	33	39	-	70	49	-
Nonvested	111	67	-	73	59	-
Total members	258	199	2	251	192	2

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 1 – DESCRIPTION OF THE SYSTEM (CONTINUED)

Contributions

The System provides for member employee contributions of 8.76% for firefighters and police officers of their annual base salary, plus certain other compensation items provided by Ordinance to the System.

Pension Benefits

All participants

All regular full-time certified police officers and firefighters are eligible to participate in the System. Full Time police officers and tier 1 firefighter's benefits vest 50% after five years of service plus 10% per year thereafter to 100% after 10 years. Tier 2 firefighters vest 100% after 10 or more years. Early retirement, delayed retirement, supplemental, death and disability benefits are also provided. The general employees portion of the System is closed and providing benefits to two remaining retirees. There are no required contributions.

Police officer members

Normal retirement shall be the earlier of attainment of: (1) age 55, (2) completion of 30 years of credited service regardless of age, (3) age 52 with 25 years of credited service, (4) for police officers who are employed on or after October 1, 2006, and retire after that date, 28 years of credited service, regardless of age, or (5) for police officers who are employed on or after April 5, 2012, completion of 25 years of credited service, regardless of age. Average Final Compensation (AFC) is one-twelfth the average of the best 5 years of the last 10 years of credited service. Payments for unused leave are not included in AFC.

Each police officer member with less than 20 years of credited service will have a monthly normal retirement benefit in an amount equal to 2% of the member's AFC multiplied by the member's credited service performed prior to June 1, 1992, and 2.5% of the member's AFC multiplied by the member's credited service performed on and after June 1, 1992. For members who have completed 20 years of credited service as sworn police officers, instead of the amount described in the previous sentence, the member's monthly normal retirement benefit shall be an amount equal to 3% of the member's AFC multiplied by the member's credited service plus 5% of AFC for service after 20 years to a maximum of 100% of the AFC upon the completion of 28 years of service. For police officer members who are hired on or after October 1, 2016, the maximum normal retirement benefit shall be 85% of average final compensation.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 1 – DESCRIPTION OF THE SYSTEM (CONTINUED)

Firefighter members

Tier One Members

Normal retirement shall be the earlier of attainment of: (1) age 55, (2) completion of 25 years of credited service at 85% of AFC or completion of 28 years of credited service regardless of age, at a maximum of 100%, or (3) age 52 with 25 years of credited service effective September 30, 2002. Average Final Compensation (AFC) is one-twelfth the average of the best 5 years of the last 10 years of credited service. Payments for unused leave are not included in AFC.

Each firefighter member hired before March 15, 2012, with less than 20 years credited service will have a monthly normal retirement benefit in an amount equal to 2% of the member's AFC multiplied by the member's credited service performed prior to October 1, 1991, and 2.5% of the member's AFC multiplied but the member's credited service performed on or after October 1, 1991. For member's who have completed 20 years of credited service as a firefighter, instead of the amount described in the previous sentence, the member's monthly normal retirement benefit shall be an amount equal to 3% of the member's AFC multiplied by the member's credited service plus 5% of AFC for service after 20 years to a maximum of 100% of the AFC upon the completion of 28 years of service.

Tier Two Members

Normal retirements shall be the first day of the month coincident with or next following the completion of 25 years of credited service regardless of age. Provided, however that a vested member who terminates prior to attaining 25 years of credited service shall be eligible for normal retirement benefits upon reaching age 55 with 10 years of credited service. Average Final Compensation (AFC) is one-twelfth the average of the highest 5 years of the last 10 years of credited service. Payments for unused leave are not included in AFC.

Each firefighter member with less than 20 years credited service will have a monthly normal retirement benefit in an amount equal to 2.5% of the member's AFC multiplied by the member's credited service. For members who have completed 20 years of credited service as a firefighter, instead of the amount described in the previous sentence, the member's monthly normal retirement benefit shall be an amount equal to 3.2% of AFC for service after 20 years to a maximum of 90% of the AFC, excluding supplemental benefits.

Deferred Retirement Option Plan (DROP)

Effective September 30, 2000, for police officers and September 30, 2001, for firefighters, members who continue in employment past normal retirement date may either accrue larger pensions or freeze their accrued benefit and enter the DROP. Each participant in the DROP has an account credited monthly with benefits not received and quarterly with investment earnings net of expenses based on the System's earnings. The DROP is administered by the Board of Trustees. Participation in the DROP is limited to 60 months.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 1 – DESCRIPTION OF THE SYSTEM (CONTINUED)

A summary of the changes in the DROP balances as of September 30 is as follows:

	2018		
	Fire	Police	Total
Beginning balance	\$ 4,824,990	\$ 2,472,978	\$ 7,297,968
Additions	932,554	658,907	1,591,461
Distributions	(1,727,349)	(859,139)	(2,586,488)
Interest	384,318	224,132	608,450
Ending balance	<u>\$ 4,414,513</u>	<u>\$ 2,496,878</u>	<u>\$ 6,911,391</u>
	2017		
	Fire	Police	Total
Beginning balance	\$ 4,928,536	\$ 2,069,172	\$ 6,997,708
Additions	1,076,928	636,085	1,713,013
Distributions	(1,739,242)	(488,311)	(2,227,553)
Interest	558,768	256,032	814,800
Ending balance	<u>\$ 4,824,990</u>	<u>\$ 2,472,978</u>	<u>\$ 7,297,968</u>

Share Plan

Effective October 1, 2016, the Palm Bay Police Share Plan was established (“Police Share Plan”). The Police Share Plan was created to implement the provisions of Chapter 185 Florida Statutes, and to provide a mechanism to pay required “special benefits” pursuant to Section 185.35, Florida Statutes. The Police Share Plan shall be funded exclusively with available premium tax revenues received from the State of Florida pursuant Chapter 185 and shall be in addition to the monthly defined payable by the under system. “Available premium tax revenues” means the amount in excess of \$380,000 in the excess state monies reserve as of June 1, 2017, and the annual amount of Chapter 185 premium tax revenues in excess of \$520,734.

Supplemental Benefits

Police officer members

Police officers who retire after October 1, 2006, receive a supplemental benefit equal to \$25 per month times completed years of credited service. The benefit shall cease upon retiree reaching age 65. Members approved for disability retirement who are being retained on the City’s insurance at the expense of the City, are ineligible for the supplemental retirement benefit.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 1 – DESCRIPTION OF THE SYSTEM (CONTINUED)

Firefighter members

Tier One Members

Firefighters receive a supplemental benefit of \$189 per month payable over the life of the retiree only. Firefighters who retire on or after October 1, 2006, receive \$458 per month, instead of \$189. Firefighters who terminate after October 1, 2007, receive a supplemental benefit equal to \$25 per month times years of credited service earned prior to March 15, 2012. Effective March 15, 2012, firefighters who have not attained age 55 with 10 or more years of credited service or 25 years of credited service regardless of age on that date, who either terminate while vested or terminate upon reaching normal or early retirement shall receive a supplemental benefit of \$12 per month of each year of credited service. The benefit shall cease upon retiree reaching the age of Medicare eligibility and members approved for disability retirement who are being retained on the City's insurance at the expense of the City are ineligible for the supplemental retirement benefit.

Tier Two Members

Firefighters receive a supplemental benefit of \$189 per month payable over the life of the retiree only. Firefighters who retire on or after October 1, 2006, receive \$458 per month, instead of \$189. Firefighters are eligible to receive a supplemental benefit of \$12 per month for each year of credited service. The benefit shall commence upon entry into the DROP or upon receipt of a retirement benefit and separation from the City. This benefit shall only be payable over the life of the member, will cease upon member reaching the age of Medicare eligibility and members approved for disability retirement who are being retained on the City's insurance at the expense of the City are ineligible for the supplemental retirement benefit.

Cost-of-Living Adjustment

Police officer members

The System provides for cost-of-living adjustment to police who retire or enter the DROP on or after September 30, 2000. The retirement benefits will increase by 3% each year commencing with the September 30th following 3 years of retirement.

Firefighter members

Tier One Members

The System provides for cost-of-living adjustment to firefighters who retire or enter the DROP on or after September 30, 2001. The retirement benefits will increase by 3% each year commencing with the September 30th following 6 years of retirement.

Tier Two Members

The retirement benefit will increase by 2% commencing with the September 30th following 6 years of retirement.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 1 – DESCRIPTION OF THE SYSTEM (CONTINUED)

Investments

The System has contracts with investment counselors who supervise and direct the investment of equity and fixed income securities. In addition, the System utilizes an investment consultant who monitors the investing activity. The investments owned are held by custodians in the name of the System. The System provides for investment in U.S. Government securities, money market funds, bonds, notes, convertible securities, domestic, international equity securities, and master limited partnership.

Funding Requirements

Pursuant to Florida Statutes, Chapter 175 and 185, contributions from the State of Florida (the "State") consist of an excise tax imposed by the City upon certain casualty insurance companies on the gross amount of receipt of premiums from policy holders on all premiums collected on casualty insurance policies covering property within the City. The allowable portion of the State contribution is used to reduce the City's contribution when received. The City is expected to contribute such additional amounts as are necessary on an actuarial basis to fund the System's expenses, normal cost and to amortize the unfunded actuarial accrued liability.

NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting: The System's financial statements are prepared using the accrual basis of accounting. Employee contributions are recognized as revenues in the period in which the contributions are due. Employer contributions are recognized as revenues when due pursuant to actuarial valuations. State contributions are recognized as revenue in the period in which they are approved by the State. Interest and other income are recorded as earned and dividend income is recorded as of the ex-dividend date.

Cash Equivalents: The System considers all highly liquid investments with a maturity of three months or less when purchased, 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 5 to the financial statements for more detail regarding the methods used to measure the fair value of investments.

Unrealized gains and losses are presented as net appreciation in fair value investments on the statement of changes in fiduciary net position along with gains and losses realized on sales of investments. 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.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

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 statements of fiduciary net position.

Estimates: The preparation of financial statements in conformity with U.S. generally accepted accounting principles requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results may differ from those estimates.

Income Tax Status: The System is tax exempt from federal income taxes under the Internal Revenue Code, and therefore, has recorded no income tax liability or expense.

Risk and Uncertainties: Contributions to the System 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.

Subsequent Events: Management has evaluated subsequent events through January 18, 2019, the date which the financial statements were available for issue.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 3 – NET PENSION LIABILITY OF THE CITY

The components of the net pension liability of the City at September 30, 2018 and 2017, were as follows:

	2018			
	Police	Fire	General	Total
Total pension liability	\$ 118,884,678	\$ 101,584,570	\$ 19,517	\$ 220,488,765
Plan fiduciary net position - ending	(111,056,112)	(86,389,741)	(199,098)	(197,644,951)
City's net pension liability	<u>\$ 7,828,566</u>	<u>\$ 15,194,829</u>	<u>\$ (179,581)</u>	<u>\$ 22,843,814</u>
Plan fiduciary net position - actuarial as a percentage of the total pension liability	93.41%	85.04%	1020.13%	89.64%

	2017			
	Police	Fire	General	Total
Total pension liability	\$ 113,346,045	\$ 97,399,943	\$ 20,521	\$ 210,766,509
Plan fiduciary net position - ending	(104,611,027)	(82,301,784)	(189,302)	(187,102,113)
Actuarial adjustments **	(1,615)	-	-	(1,615)
City's net pension liability	<u>\$ 8,733,403</u>	<u>\$ 15,098,159</u>	<u>\$ (168,781)</u>	<u>\$ 23,662,781</u>
Plan fiduciary net position - actuarial as a percentage of the total pension liability	92.29%	84.50%	-922.48%	88.77%

**Figures include actuarial assumption of future buybacks to be purchased by members.

Actuarial Assumptions: The total pension liability was determined by an actuarial valuation as of October 1, 2017, using the following actuarial assumptions applied to all measurement periods.

Inflation	2.7%
Salary increases*	Varies by age
Discount rate	7.75%
Investment rate of return	7.75%

*Not applicable for general employees' plan.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 3 – NET PENSION LIABILITY OF THE CITY (CONTINUED)

Mortality rates are calculated with the RP-2000 Mortality Table (combined healthy) and based on a study of over 650 public safety funds, this table reflects a 10% margin for future mortality improvements. 75% of deaths are assumed to be service connected.

The actuarial assumptions used in the October 1, 2017, valuations were based on the results of an actuarial experience study for the period 2005-2014.

The long-term expected rate of return on pension 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 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 pension plan's target asset allocation as of September 30, 2018 and 2017, are summarized in the following table:

Asset Class	Long Term Expected Real Rate of Return	
	2018	2017
Domestic equity	8.10%	7.00%
International equity	3.40%	3.70%
Bonds	3.60%	4.00%
Convertibles	6.70%	6.00%
Private real estate	4.90%	4.80%
MLPs	9.10%	9.70%

Discount Rate: The discount rate used to measure the total pension liability was 7.75% for 2017 and 2016. The projection of cash flows used to determine the discount rate assumed that plan member contributions will be made at the current contribution rate and that contributions from the City will be made at statutorily required rates, actuarially determined. Based on those assumptions, the System's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 3 – NET PENSION LIABILITY OF THE CITY (CONTINUED)

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 7.75%, as well as what the employer net pension liability would if it were calculated using a discount rate that is 1-percentage-point lower (6.75%) or 1-percentage-point higher (8.75%) than the current rate:

September 30,2018	City Net Pension Liability		
	1% Decrease (6.75%)	Current Discount Rate (7.75%)	1% Increase (8.75%)
Fire	\$ 28,091,455	\$ 15,194,829	\$ 4,645,132
Police	24,085,241	7,828,566	(5,368,479)
General	(178,757)	(179,581)	(180,342)
Total	\$ 51,997,939	\$ 22,843,814	\$ (903,689)

September 30,2017	City Net Pension Liability		
	1% Decrease (6.75%)	Current Discount Rate (7.75%)	1% Increase (8.75%)
Fire	\$ 27,392,755	\$ 15,098,159	\$ 5,069,142
Police	24,188,175	8,733,403	(3,815,578)
General	(167,879)	(168,781)	(169,609)
Total	\$ 51,413,051	\$ 23,662,781	\$ 1,083,955

NOTE 4 – CONTRIBUTIONS

Actual Contributions: The actual City (employer) contribution for active employees and the state contribution for the years ended September 30, 2018 and 2017, amounted to \$5,463,600 and \$4,534,317, respectfully.

City and State contributions consisted of the following:

	2018	2017
City	\$ 4,146,994	\$ 3,311,013
State	1,316,606	1,223,304
Total contributions from City and State	\$ 5,463,600	\$ 4,534,317

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 4 – CONTRIBUTIONS (CONTINUED)

Actuarially Determined Contributions: Effective May 30, 2012, the Division of Retirement mandated that local governments confer with the System's actuary to select and maintain a contribution method (percentage of payroll or fixed dollar contribution) that best fits the funding requirements of the System. For the year ended September 30, 2012, the System selected to use the percentage of payroll contribution amount and the fixed dollar contribution beginning with the fiscal year ended September 30, 2013.

The contributions required from the City and the State for the years ended September 30, 2018 and 2017, were originally actuarially determined by the October 1, 2016 and 2015, valuations to be \$5,327,104 and \$5,048,472, respectively.

The required City and State contributions cover the following for the fiscal years ended September 30:

	<u>2018</u>	<u>2017</u>
Normal cost	\$ 2,705,966	\$ 2,677,302
Payment to amortize unfunded actuarial accrued liability from City and State	<u>2,621,138</u>	<u>2,371,170</u>
Total required from City and State	<u>\$ 5,327,104</u>	<u>\$ 5,048,472</u>

NOTE 5 – 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). Cash and cash equivalents at September 30, consists of the following:

	<u>2018</u>	<u>2017</u>
Invested cash and currency	\$ 47,540	\$ 7,703
Short-term investment	<u>4,780,471</u>	<u>6,039,818</u>
Total	<u>\$ 4,828,011</u>	<u>\$ 6,047,521</u>

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 5 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)

Investment Authorization: The System's investment policy is determined by the Board of Trustees. The policy has been identified by the Board as having the greatest expected investment return, and the resulting positive impact on asset values, funded status, and benefits, without exceeding a prudent level of risk. The Board determined this policy after evaluating the implications of increased investment return versus increased variability of return for a number of potential investment policies with varying commitments to stocks and bonds. The primary investment objective of the System is the preservation of invested capital. The secondary objective is to achieve moderate long term real growth of the assets while minimizing the volatility of returns.

The trustees are authorized to acquire and retain every kind of property, real, personal or mixed, and every kind of investment 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. Investment in all equity securities shall be limited to those listed in a major U.S. stock exchange and limited to no more than 75% (at market) of the System's total asset value with no more than 5% at cost value of an investments manager's equity portfolio invested in the shares of a single corporate issuer. Investments in stocks of foreign companies shall be limited to 25% (at market) of the investment portfolio.

Convertible securities shall be limited to 25% of the System's total portfolio. Investment in equity securities whose market capitalization is less than \$3 billion dollars shall be limited to 25% of the total portfolio. Investments in those corporations whose stock has been publicly traded for less than one year are limited to 15% of the equity portfolio.

The fixed income portfolio shall be comprised of securities rated "BBB" or higher by Standard & Poor's or Baa or higher by Moody's rating services with no more than 10% at cost of an investment manager's total fixed income portfolio invested in the securities of any single corporate issuer. However, investments in securities rated below "A" shall be limited to 20% of the total fixed income portfolio.

Investments in Collateralized Mortgage Obligations (CMO) shall not exceed 25% of the fixed income portfolio and real estate shall not exceed 15% of the total portfolio or market, respectively.

The System has contracts with investment counselors who supervise and direct the investment of equity and fixed income securities. In this regard, the System does utilize mutual funds as the investment vehicles for all its fixed income investments. In addition, the System utilizes an investment advisor who monitors the investing activity. The investments owned are held by a custodian in the name of the System.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 5 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)

Types of Investments: Florida statutes and the System's investment policy authorize the trustees to invest funds in various investments. The current target and actual allocation of these investments at market are as follows:

	2017		2016	
	Target % of portfolio	Actual % of portfolio	Target % of portfolio	Actual % of portfolio
Authorized investments				
Domestic equities	35	36	35	39
Fixed income	25	21	25	23
International equities	15	15	15	12
Real estate	10	11	10	11
Convertible securities	10	10	10	8
Master limited partnership	5	3	5	3
Cash equivalents	-	3	-	4

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 System 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.

Information about the sensitivity of the fair values of the System's investments to market interest rate fluctuations are provided by the following tables that show the distribution of the System's investments by maturity at September 30:

2018					
Investment Maturities (in years)					
Investment Type	Fair Value	Less than 1	1 to 5	6 to 10	More than 10
U.S. treasuries	\$ 22,863,846	\$ 334,557	\$ 15,582,862	\$ 4,128,469	\$ 2,817,958
U.S. agencies	7,749,784	-	-	176,452	7,573,332
Debt securites	25,467,404	1,157,313	10,566,904	8,807,467	4,935,720
Bond fund	69,010	-	-	69,010	-
Total fixed income	<u>\$ 56,150,044</u>	<u>\$ 1,491,870</u>	<u>\$ 26,149,766</u>	<u>\$ 13,181,398</u>	<u>\$ 15,327,010</u>

2017					
Investment Maturities (in years)					
Investment Type	Fair Value	Less than 1	1 to 5	6 to 10	More than 10
U.S. treasuries	\$ 21,916,440	\$ -	\$ 14,870,619	\$ 4,244,938	\$ 2,800,883
U.S. agencies	7,884,550	-	-	-	7,884,550
Debt securites	9,553,937	317,570	3,235,005	1,299,977	4,701,385
Bond fund	63,569	-	-	63,569	-
Total fixed income	<u>\$ 39,418,496</u>	<u>\$ 317,570</u>	<u>\$ 18,105,624</u>	<u>\$ 5,608,484</u>	<u>\$ 15,386,818</u>

As of September 30, 2018, fixed income convertible securities totaling \$17,271,574 are included in the debt securities maturity disclosure.

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 System's investment policy utilizes portfolio diversification in order to control this risk.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 5 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)

The following table disclose credit ratings by investment type, at September 30, 2018 and 2017, as applicable:

	2018		2017	
	Fair Value	Percentage of Portfolio	Fair Value	Percentage of Portfolio
U.S. Government guaranteed*	\$ 30,613,630	54.5%	\$ 29,800,990	75.6%
Quality rating of credit risk debt securities:				
AAA	2,149,997	3.8%	2,111,566	5.4%
AA+	59,000	0.1%	61,963	0.2%
AA	257,503	0.5%	-	0.0%
AA-	452,283	0.8%	973,354	2.5%
A+	76,984	0.1%	172,801	0.4%
A	685,241	1.2%	220,365	0.6%
A-	1,551,722	2.8%	872,702	2.2%
B+	1,386,276	2.5%	-	0.0%
B	-	0.0%	-	0.0%
B-	446,759	0.8%	-	0.0%
BB+	567,756	1.0%	167,263	0.4%
BB	76,724	0.1%	-	0.0%
BB-	1,016,204	1.8%	-	0.0%
BBB+	808,228	1.4%	1,601,223	4.2%
BBB	1,590,886	2.8%	1,304,607	3.3%
BBB-	986,080	1.8%	1,389,536	3.5%
CCC+	187,230	0.3%	-	0.0%
CCC	57,755	0.1%	-	0.0%
NR	13,179,786	23.5%	742,126	1.9%
Total credit risk debt securities	<u>25,536,414</u>	<u>45.5%</u>	<u>9,617,506</u>	<u>24.6%</u>
Total fixed income securities	<u>\$ 56,150,044</u>	<u>100.0%</u>	<u>\$ 39,418,496</u>	<u>100.0%</u>

*Obligations of the U.S. Government or obligations explicitly or implicitly guaranteed by the U.S. Government are not considered to have credit risk and do not have purchase limitations.

Concentration of Credit Risk: The investment policy of the System contains limitations on the amount that can be invested in any one issuer as well as maximum portfolio allocation percentages. There were no individual investments that represent 5% or more of Fiduciary Net Position at September 30, 2018 and 2017.

Custodial Credit Risk: Deposits are exposed to custodial risk if they are uninsured and uncollateralized. Custodial risk is the risk that, in the event of the failure of the counterparty, the System will not be able to recover the value of its investments or collateral securities that are in 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 System and are held either by the counterparty or the counterparty's trust department or agent but not in the System's name.

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

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 5 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)

The System considers only demand deposits as cash. Cash balance at a financial institution as of September 30, 2018 and 2017, was \$22,420 and \$19,552, respectively. The Federal Depository Insurance Corporation (FDIC) cover cash on deposit up to \$250,000. As of September 30, 2018 and 2017, the System have no cash on demand balances expose to custodial credit risk.

Rate of Return: For the years ended September 30, 2018 and 2017, the annual money-weighted rate of return on pension plan investments, net of pension plan investment expense was 10%. The money weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

Investment Valuation: GASB 72 establishes a hierarchal disclosure framework which prioritizes and ranks the level of market price observability used in measuring investments at fair value. Market price observability is impacted by a number of factors, including the type of investment and the specific characteristics of the investment. Fair value represents 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. Investments with readily available actively quoted prices or for which fair value can be measured from actively quoted prices generally will have a higher degree of market price observability and lesser degree of judgement used in measuring fair value.

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.

The System has established a framework to consistently measure the fair value of the System's assets and liabilities in accordance with applicable accounting, legal and regulatory guidance. This framework has been provided by establishing valuation policy 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 System's assessment of the significance of a particular input to the fair value measurement required judgement and considers factors specific to the investment.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 5 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)

The following table summarizes the valuation of the System's investments in accordance with the above mentioned fair value hierarchy levels as of September 30, 2018:

	Total	Fair Value Measurements Using		
		Quoted Prices in Active markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Investments by fair value level				
Debt securities				
U.S. Government securities	\$ 30,613,630	\$ 22,863,846	\$ 7,749,784	\$ -
Convertible corporate bonds	17,271,574	-	17,271,574	-
Non-convertible corporate bonds	8,195,830	-	8,195,830	-
Total debt securities	<u>56,081,034</u>	<u>22,863,846</u>	<u>33,217,188</u>	<u>-</u>
Equity securities				
Non-convertible stocks	67,445,882	65,180,208	2,265,674	-
Convertible and other equities	3,399,743	3,399,743	-	-
Total equity securities	<u>70,845,625</u>	<u>68,579,951</u>	<u>2,265,674</u>	<u>-</u>
Alternate investments				
Real estate equity	22,017,532	-	-	22,017,532
Total alternative investments	<u>22,017,532</u>	<u>-</u>	<u>-</u>	<u>22,017,532</u>
Total investments by fair value level	<u>148,944,191</u>	<u>\$ 91,443,797</u>	<u>\$ 35,482,862</u>	<u>\$ 22,017,532</u>
Investments measured at net asset value ("NAV")				
Mutual funds				
Domestic equity	1,243,944			
International equity	27,992,745			
Bond fund	69,010			
Commingled domestic equity funds	15,206,158			
Total investments measured at NAV	<u>44,511,857</u>			
Total investments measured at fair value	<u>\$ 193,456,048</u>			

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, TIPS 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.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 5 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)

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, 2018 and 2017. 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.

Alternative Investments: These investments include real estate equity investments 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, 2018. The estimated fair value of these investments may differ from the values that would have been used had a ready market existed.

The System's valuation methods for investments measured at the Net Asset Value (NAV) per share (or its equivalent) as of September 30, 2018, are as follows:

	2018		Redemption Frequency	Redemption Notice Period
	Investments Measured at the NAV			
	Net Asset Value	Unfunded Commitments		
Mutual funds ⁽¹⁾	\$ 29,305,699	\$ -	Daily	Same Day
Commingled domestic equity funds ⁽²⁾	15,206,158	-	Monthly	Up to 15 Days
Total investments measured at the NAV	<u>\$ 44,511,857</u>	<u>\$ -</u>		

⁽¹⁾These mutual funds are open-end mutual funds that are registered with the Securities and Exchange Commission. These funds are required to publish their daily NAV and to transact at that price. They are determined to be actively traded. The funds are valued at the net asset value of units held at the end of the period based upon the fair value of the underlying investments.

⁽²⁾Commingled domestic equity consist of two commingled investment vehicles investing primarily in publicly traded equity securities. The funds are valued at the net asset value of units held at the end of the period based upon the fair value of the underlying investments.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 5 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)

The following table summarizes the valuation of the System's investments in accordance with the above mentioned fair value hierarchy levels as of September 30, 2017:

	Fair Value Measurements Using			
	Total	Quoted Prices in Active markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Investments by fair value level				
Debt securities				
U.S. Government securities	\$ 29,800,990	\$ 21,916,440	\$ 7,884,550	\$ -
Convertible corporate bonds	15,472,853	-	15,472,853	-
Non-convertible corporate bonds	9,553,937	-	9,553,937	-
Total debt securities	<u>54,827,780</u>	<u>21,916,440</u>	<u>32,911,340</u>	<u>-</u>
Equity securities				
Non-convertible stocks	58,902,897	57,335,142	1,567,755	-
Convertible and other equities	3,531,741	3,531,741	-	-
Total equity securities	<u>62,434,638</u>	<u>60,866,883</u>	<u>1,567,755</u>	<u>-</u>
Alternate investments				
Real estate equity	20,363,314	-	-	20,363,314
Total alternative investments	<u>20,363,314</u>	<u>-</u>	<u>-</u>	<u>20,363,314</u>
Total investments by fair value level	<u>137,625,732</u>	<u>\$ 82,783,323</u>	<u>\$ 34,479,095</u>	<u>\$ 20,363,314</u>
Investments measured at Net Asset Value ("NAV")				
Mutual funds				
Domestic equity	2,098,317			
International Equity	28,624,072			
Bond Fund	63,569			
Commingled domestic equity funds	13,569,472			
Total investments measured at NAV	<u>44,355,430</u>			
Total investments measured at fair value	<u>\$ 181,981,162</u>			

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, TIPS 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.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 5 – DEPOSIT AND INVESTMENT RISK DISCLOSURES (CONTINUED)

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, 2018 and 2017. 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.

Alternative Investments: These investments include real estate equity investments 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, 2017. The estimated fair value of these investments may differ from the values that would have been used had a ready market existed.

The System's valuation methods for investments measured at the Net Asset Value (NAV) per share (or its equivalent) as of September 30, 2017, are as follows:

	2017		Redemption Frequency	Redemption Notice Period
	Net Asset Value	Unfunded Commitments		
Mutual funds ⁽¹⁾	\$ 30,785,958	\$ -	Daily	Same Day
Commingled domestic equity funds ⁽²⁾	13,569,472	-	Monthly	Up to 15 Days
Total investments measured at the NAV	<u>\$ 44,355,430</u>	<u>\$ -</u>		

⁽¹⁾These mutual funds are open-end mutual funds that are registered with the Securities and Exchange Commission. These funds are required to publish their daily NAV and to transact at that price. They are determined to be actively traded. The funds are valued at the net asset value of units held at the end of the period based upon the fair value of the underlying investments.

⁽²⁾Commingled domestic equity consist of two commingled investment vehicles investing primarily in publicly traded equity securities. The funds are valued at the net asset value of units held at the end of the period based upon the fair value of the underlying investments.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO FINANCIAL STATEMENTS**

NOTE 6 – COMMITMENTS

The System leases its office space. The lease term is for 60 months expiring in January 2022. The monthly rent is \$1,876, which includes base rent, maintenance and insurance.

The following is a schedule of the future minimum lease payments under these leases:

For the year ending September 30,	Amount
2019	\$ 22,512
2020	22,512
2021	22,512
2022	7,504
	<u>\$ 75,040</u>

During the years ended September 30, 2018 and 2017, rent expense under the lease agreement amounted to \$22,520, and is included in administrative expenses in the statement of changes in fiduciary net position.

REQUIRED SUPPLEMENTARY INFORMATION

CITY OF PALM BAY POLICE AND FIREFIGHTERS' RETIREMENT SYTEM
REQUIRED SUPPLEMENTARY INFORMATION
SCHEDULE OF CHANGES IN THE CITY'S NET PENSION LIABILITY (ASSET) (UNAUDITED)
LAST TEN FISCAL YEARS
FISCAL YEARS ENDED SEPTEMBER 30,

	2018	2017	2016	2015	2014
Total pension liability					
Service cost	\$ 3,154,210	\$ 3,235,849	\$ 3,101,767	\$ 3,023,970	\$ 2,982,180
Interest	16,099,835	15,489,976	14,930,382	14,318,148	13,795,176
Change in excess state money	(164,106)	(626,367)	164,106	97,949	84,152
Share plan allocation	136,496	194,266	-	-	-
Differences between expected and actual experience	2,512,342	429,640	(971,416)	324,055	-
Changes of assumptions	-	-	6,171,246	-	-
Contributions buy back	17,077	45,396	33,629	5,777	-
Benefit payments including refunds or member contributions	(12,033,598)	(10,690,952)	(9,626,677)	(10,566,952)	(9,997,019)
Net change in total pension liability	<u>9,722,256</u>	<u>8,077,808</u>	<u>13,803,037</u>	<u>7,202,947</u>	<u>6,864,489</u>
Total pension liability, beginning	<u>210,766,509</u>	<u>202,688,701</u>	<u>188,885,664</u>	<u>181,682,717</u>	<u>174,818,228</u>
Total pension liability, ending	<u>220,488,765</u>	<u>210,766,509</u>	<u>202,688,701</u>	<u>188,885,664</u>	<u>181,682,717</u>
Plan fiduciary net position					
Contributions - employer	4,146,994	3,311,013	3,716,857	3,788,313	3,619,607
Contributions - state	1,316,606	1,223,304	1,244,750	1,208,886	1,244,404
Contributions - member (employee)	1,159,348	1,132,916	1,090,434	1,085,844	1,034,380
Contributions - buy back (employee)	17,077	45,397	33,629	-	-
Net investment (loss) income	16,492,467	19,198,475	14,794,229	(586,238)	16,875,013
Benefit payments, including refunds of contributions	(12,033,598)	(10,690,951)	(9,626,677)	(10,566,953)	(997,019)
Administrative expenses	(556,056)	(553,811)	(508,621)	(464,379)	(433,668)
Net change in plan fiduciary net postion	<u>10,542,838</u>	<u>13,666,343</u>	<u>10,744,601</u>	<u>(5,534,527)</u>	<u>12,342,717</u>
Plan fiduciary net position, beginning	<u>187,102,113</u>	<u>173,435,770</u>	<u>162,691,169</u>	<u>168,225,696</u>	<u>155,882,979</u>
Plan fiduciary net position, ending	<u>197,644,951</u>	<u>187,102,113</u>	<u>173,435,770</u>	<u>162,691,169</u>	<u>168,225,696</u>
Plus: actuarial adjustments**	-	1,615	(198)	1	98,803
Plan fiduciary net position - actuarial	<u>197,644,951</u>	<u>187,103,728</u>	<u>173,435,572</u>	<u>162,691,170</u>	<u>168,324,499</u>
City's net pension liability (asset)	<u>\$ 22,843,814</u>	<u>\$ 23,662,781</u>	<u>\$ 29,253,129</u>	<u>\$ 26,194,494</u>	<u>\$ 13,358,218</u>

*Schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

**Figures include actuarial assumption of future buybacks to be purchased by members.

See accompanying Independent Auditor's Report and notes to the required supplementary information.

**CITY OF PALM BAY POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
REQUIRED SUPPLEMENTARY INFORMATION
SCHEDULE OF THE CITY'S NET PENSION LIABILITY (UNAUDITED)
LAST TEN FISCAL YEARS
FISCAL YEARS ENDED SEPTEMBER 30,**

September 30,	2018	2017	2016	2015	2014
Total pension liability	\$ 220,488,765	\$ 210,766,509	\$ 202,688,701	\$ 188,885,664	\$ 181,682,717
Plan fiduciary net position - ending	(197,644,951)	(187,102,113)	(173,435,572)	(162,698,820)	(168,255,696)
Actuarial adjustments**	-	(1,615)	-	(1)	(98,803)
City's net pension liability	<u>\$ 22,843,814</u>	<u>\$ 23,662,781</u>	<u>\$ 29,253,129</u>	<u>\$ 26,186,843</u>	<u>\$ 13,358,218</u>
Plan fiduciary net position as a percentage of the total pension liability	89.64%	88.77%	85.57%	86.14%	92.65%
Actuarial computed - employee payroll	N/A	N/A	N/A	N/A	N/A
City's net pension liability as a percentage of covered - employee payroll	N/A	N/A	N/A	N/A	N/A

*Schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

**Figures include actuarial assumption of future buybacks to be purchased by members.

See accompanying Independent Auditor's Report and notes to the required supplementary information.

**CITY OF PALM BAY POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
 REQUIRED SUPPLEMENTARY INFORMATION
 SCHEDULE CONTRIBUTIONS BY EMPLOYER (UNAUDITED)
 LAST TEN FISCAL YEARS
 FISCAL YEARS ENDED SEPTEMBER 30,**

	<u>2018</u>	<u>2017</u>	<u>2016</u>
Actuarially determined contribution	\$ 5,327,104	\$ 5,048,472	\$ 4,797,501
Contributions in relation to the actuarially determined contribution	<u>5,463,600</u>	<u>5,048,472</u>	<u>4,797,501</u>
Contribution deficiency (excess)	<u>\$ (136,496)</u>	<u>\$ -</u>	<u>\$ -</u>
Actuarially computed - payroll	N/A	N/A	N/A
Contributions as a percentage of covered-employee payroll	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
	<u>2015</u>	<u>2014</u>	<u>2013</u>
Actuarially determined contribution	\$ 4,899,250	\$ 4,747,791	\$ 3,925,294
Contributions in relation to the actuarially determined contribution	<u>4,899,250</u>	<u>4,747,791</u>	<u>3,925,294</u>
Contribution deficiency (excess)	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Actuarially computed - payroll	N/A	N/A	N/A
Contributions as a percentage of covered-employee payroll	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

*Schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

See accompanying Independent Auditor's Report and notes to the required supplementary information.

**CITY OF PALM BAY POLICE AND FIREFIGHTERS' RETIRMENT SYSTEM
 REQUIRED SUPPLEMENTARY INFORMATION
 SCHEDULE OF INVESTMENT RETURNS (UNAUDITED)
 LAST TEN FISCAL YEARS
 FISCAL YEARS ENDED SEPTEMBER 30,**

Annual money-weighted rate of return, net of investment expense	Police	Fire	General	Total
2018	9.41%	8.38%	10.06%	9.6%
2017	11.25%	11.25%	11.76%	10.0%
2016	9.81%	8.44%	10.02%	10.0%
2015	-0.47%	-0.34%	1.02%	0.1%
2014	10.82%	11.04%	11.43%	10.9%

*Schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

See accompanying Independent Auditor's Report and notes to the required supplementary information.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO REQUIRED SUPPLEMENTARY INFORMATION (UNAUDITED)
LAST TEN FISCAL YEARS**

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, one year 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.

Funding Method: Prior to 2005: Frozen Entry Age Cost Method. This is the same as the Aggregate Method when the Unfunded Actuarial Liability equals zero.

2005+: Entry Age Normal Cost Method.

Asset Valuation Method:* The market value of assets is adjusted to recognize, over a four year period, investment earnings greater than (or less than) the assumed investment return. The Actuarial Value of Assets shall not be more than 120% nor less than 80% of the market value of assets. Details are shown in the Asset Information Section of the report.

Amortization Method: Level percentage of Pay. Closed.

Remaining Amortization Period: 30 years.

Inflation: 2.70% per year.

Salary Increase – Total Payroll:* 6.5% per year.

Salary Increase – Individual:* Varies by age.

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

Payroll Growth:* 4% per year.

*Not applicable for General Employee's Plan.

See accompanying independent auditor's report.

Service Retirement: Members will retire early at a rate of 5% per year prior to normal retirement. When a member reaches 25 years of credited service, there is a 50% probability of retirement and then a 100% probability at the earlier of: (1) Age 55, (2) 28 years of credited service, regardless of age, or (3) Age 52 with 25 years of credited service.

**CITY OF PALM BAY
POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
NOTES TO REQUIRED SUPPLEMENTARY INFORMATION (UNAUDITED)
(CONTINUED)
LAST TEN FISCAL YEARS**

Percentage Married at Retirement: 100% of active members are assumed married at retirement.

Spouse Ages: For active members reaching retirement, wives are assumed to be three years younger than husbands. Where spousal information was included for retirees, that information was used. If the age of the spouse was not provided, we have assumed that all spouses are still alive, and that female spouses are three years younger than their husbands.

Actuarial Value of Assets: The market value of assets is adjusted to recognize, over a four year period, investment earnings greater than (or less than) the assumed investment return. The actuarial value of assets shall not be more than 120% nor less than 80% of the market value of assets. Reset to market value for October 1, 2010, report.

Mortality Rates:

Service Retirement: RP2000 (Combined Healthy)

Disability Retirement: RP2000 (Combined Healthy)

Spouse: RP2000 (Combined Healthy)

Based on a study of over 650 public safety funds, this table reflects a 10.00% margin for future mortality improvements. 75.00% of deaths are assumed to be service connected.

Other Information: *Termination and Disability Rate Table:

Age	Police Officer	
	Termination Probability	Disability Probability
20	0.200	0.0014
30	0.120	0.0018
40	0.035	0.0030
50	0.020	0.0100

Age	Firefighter	
	Termination Probability	Disability Probability
20	0.140	0.0014
30	0.074	0.0018
40	0.026	0.0030
50	0.008	0.0100

*Not applicable for General Employees Plan.
See accompanying independent auditor's report.

OTHER SUPPLEMENTARY INFORMATION

**CITY OF PALM BAY POLICE AND FIREFIGHTERS' RETIREMENT SYSTEM
OTHER SUPPLEMENTARY SCHEDULES OF
INVESTMENT AND ADMINISTRATIVE EXPENSES**

For the years ended September 30, 2018 2017

Schedule "1" - Schedule of Investment Expenses

Financial management and custodial:		
SunTrust Bank, Inc.	\$ 299,634	\$ 289,882
JP Morgan Investment Management, Inc.	213,560	197,084
SSI Investment Management, Inc.	86,088	74,479
Polen	92,826	81,860
Wells Capital	79,087	72,915
Advent Capital Management, Inc.	88,681	76,790
Eagle Asset Management, Inc.	13,834	19,863
Salem Trust Company	58,766	42,116
Westwood Holdings Group, Inc.	57,256	58,252
Total financial management and custodial expenses	<u>989,732</u>	<u>913,241</u>
Investment consultant fees:		
Burgess Chambers and Associates, Inc.	76,300	66,439
Total investment expenses	<u>\$ 1,066,032</u>	<u>\$ 979,680</u>

Schedule "2" - Schedule of Administrative Expenses

Professional services:		
Actuarial	\$ 85,200	\$ 81,390
Accounting	40,200	36,600
Administrator	63,000	63,000
Audit	16,600	22,400
Legal	32,720	41,360
Total professional services	<u>237,720</u>	<u>244,750</u>
Other:		
Pension staff salaries	113,389	101,496
Computer expense	37,159	39,009
Conferences	86,078	78,690
Supplies	23,660	30,857
Insurance	18,720	18,722
Occupancy Cost	22,520	22,520
Utility Expense	1,951	2,114
Communications	9,863	10,578
Dues and subscriptions	2,385	2,345
Postage	2,611	2,730
Total other	<u>318,336</u>	<u>309,061</u>
Total administrative expenses	<u>\$ 556,056</u>	<u>\$ 553,811</u>

OTHER AUDITOR'S REPORT



**INDEPENDENT AUDITOR'S 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***

Board of Trustees
City of Palm Bay
Police and Firefighters' Retirement System
Palm Bay, Florida

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 the City of Palm Bay Police and Firefighters' Retirement System (the "System") as of and for the year ended September 30, 2018, and the related notes to the financial statements, and have issued our report thereon dated January 18, 2019.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the System's internal control over financial reporting (internal control) to determine the 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 System's internal control. Accordingly, we do not express an opinion on the effectiveness of the System'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 System's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. 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.

A handwritten signature in black ink that reads "Mauldin & Jenkins, LLC". The signature is written in a cursive, flowing style.

Bradenton, Florida
January 18, 2019