

June 1, 2018

VIA EMAIL

Ms. Kathy Adams, Plan Administrator
City of Palm Bay Police & Fire Pension Fund
1501 Robert J. Conlan Blvd., NE, Suite 240
Palm Bay, FL 32905-3567

Re: City of Palm Bay Police and Firefighters' Pension Fund (Police Officers)
Section 112.664, Florida Statutes Compliance

Dear Kathy:

Please find enclosed the annual disclosures that satisfy the October 1, 2017 financial reporting requirements made under Section 112.664.

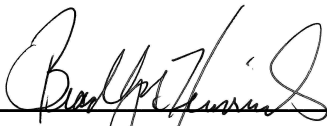
Our office will submit this information electronically to the Department of Management Services. However, it is important for you to be aware that this report must also be made available on the Plan or Plan Sponsor's website, if such website exists. A deadline for this website publication is not made clear in the law.

In addition to the enclosed report, the Plan or Plan Sponsor's website must provide a link to the Division of Retirement's Actuarial Summary Fact Sheet for the Plan, and also report the previous five years' assumed and actual rates of return, along with their respective asset allocations. The Board should contact its Investment Consultant for this information.

If there are any questions, concerns, or comments about any of the items contained in this report, please feel free to contact me.

Respectfully submitted,

Foster & Foster, Inc.

By: 

Bradley R. Heinrichs, FSA, EA, MAAA
Enrolled Actuary #17-6901

BRH/lke


Enclosures

cc via email: Robert Klausner, Board Attorney

CITY OF PALM BAY
POLICE AND FIREFIGHTERS' PENSION FUND
(Police Officers)

SECTION 112.664, FLORIDA STATUTES
COMPLIANCE

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

By:  Date: 6/1/2018
Bradley R. Heinrichs, FSA, EA, MAAA
Enrolled Actuary #17-6901



When reviewing the following schedules, please note the following:

- 1) The purpose of producing this report is solely to satisfy the requirements set forth by Section 112.664, Florida Statutes, and is mandatory for every Florida public pension fund, excluding the Florida Retirement System (FRS).
- 2) None of the schedules shown have any impact on the funding requirements of the Plan. These schedules are for statutory compliance purposes only.
- 3) In the schedules that follow, the columns labeled “ACTUAL” represent the final recorded GASB 67/68 results. The columns labeled “HYPOTHETICAL” illustrate what the results would have been if different assumptions were used.
- 4) It is our opinion that the Plan’s actual assumptions utilized in the October 1, 2017 Actuarial Valuation Report, as adopted by the Board of Trustees, are reasonable individually and in the aggregate, and represent our best estimate of future Plan experience.
- 5) The “Number of Years Expected Benefit Payments Sustained” calculated in Section II: Asset Sustainability should not be interpreted as the number of years the Plan has left until it is insolvent. This calculation is required by 112.664, Florida Statutes, but the numeric result is irrelevant, since in its calculation we are to assume there will be no further contributions to the Fund. As long as the Actuarially Determined Contribution is made each year the Plan will never become insolvent.

SCHEDULE OF CHANGES IN NET PENSION LIABILITY
FISCAL YEAR SEPTEMBER 30, 2017

	ACTUAL	HYPOTHETICAL	
	7.75% RP-2000 Generational	5.75% RP-2000 Generational	9.75% RP-2000 Generational
<u>Total Pension Liability</u>			
Service Cost	1,571,207	2,569,875	1,020,744
Interest	8,317,177	8,174,065	8,243,894
Change in Excess State Money	(468,527)	(468,527)	(468,527)
Share Plan Allocation	186,426	186,426	186,426
Changes of Benefit Terms	-	-	-
Differences Between Expected and Actual Experience	61,339	93,093	41,543
Changes of Assumptions	-	-	-
Contributions - Buy Back	45,396	45,396	45,396
Benefit Payments, Including Refunds of Employee Contributions	(5,329,528)	(5,329,528)	(5,329,528)
Net Change in Total Pension Liability	4,383,490	5,270,800	3,739,948
Total Pension Liability - Beginning	108,880,502	142,721,071	86,665,311
Total Pension Liability - Ending (a)	<u>\$ 113,263,992</u>	<u>\$ 147,991,871</u>	<u>\$ 90,405,259</u>
<u>Plan Fiduciary Net Position</u>			
Contributions - Employer	1,116,672	1,116,672	1,116,672
Contributions - State	716,530	716,530	716,530
Contributions - Employee	621,675	621,675	621,675
Contributions - Buy Back	45,396	45,396	45,396
Net Investment Income	10,734,486	10,734,486	10,734,486
Benefit Payments, Including Refunds of Employee Contributions	(5,329,528)	(5,329,528)	(5,329,528)
Administrative Expenses	(309,245)	(309,245)	(309,245)
Net Change in Plan Fiduciary Net Position	7,595,986	7,595,986	7,595,986
Plan Fiduciary Net Position - Beginning	97,016,656	97,016,656	97,016,656
Plan Fiduciary Net Position - Ending (b)	<u>\$ 104,612,642</u>	<u>\$ 104,612,642</u>	<u>\$ 104,612,642</u>
Net Pension Liability - Ending (a) - (b)	<u>\$ 8,651,350</u>	<u>\$ 43,379,229</u>	<u>\$ (14,207,383)</u>

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 1
Plan Assumptions: 7.75% and RP-2000 Generational Mortality

Fiscal Year Beginning 10/1	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments*	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2017	104,611,026	-	8,567,273	-	7,775,373	103,819,126
2018	103,819,126	-	6,062,190	-	7,811,072	105,568,008
2019	105,568,008	-	6,289,501	-	7,937,802	107,216,309
2020	107,216,309	-	6,513,325	-	8,056,873	108,759,857
2021	108,759,857	-	6,751,465	-	8,167,270	110,175,662
2022	110,175,662	-	6,989,860	-	8,267,757	111,453,559
2023	111,453,559	-	7,233,918	-	8,357,337	112,576,978
2024	112,576,978	-	7,452,501	-	8,435,931	113,560,408
2025	113,560,408	-	7,696,226	-	8,502,703	114,366,885
2026	114,366,885	-	7,970,492	-	8,554,577	114,950,970
2027	114,950,970	-	8,232,379	-	8,589,695	115,308,286
2028	115,308,286	-	8,445,913	-	8,609,113	115,471,486
2029	115,471,486	-	8,644,633	-	8,614,061	115,440,914
2030	115,440,914	-	8,801,122	-	8,605,627	115,245,419
2031	115,245,419	-	8,950,097	-	8,584,704	114,880,026
2032	114,880,026	-	9,114,242	-	8,550,025	114,315,809
2033	114,315,809	-	9,242,439	-	8,501,331	113,574,701
2034	113,574,701	-	9,367,864	-	8,439,035	112,645,872
2035	112,645,872	-	9,483,664	-	8,362,563	111,524,771
2036	111,524,771	-	9,571,720	-	8,272,266	110,225,317
2037	110,225,317	-	9,682,920	-	8,167,249	108,709,646
2038	108,709,646	-	9,751,286	-	8,047,135	107,005,495
2039	107,005,495	-	9,823,995	-	7,912,246	105,093,746
2040	105,093,746	-	9,880,583	-	7,761,893	102,975,056
2041	102,975,056	-	9,899,715	-	7,596,953	100,672,294
2042	100,672,294	-	9,928,151	-	7,417,387	98,161,530
2043	98,161,530	-	9,916,956	-	7,223,237	95,467,811
2044	95,467,811	-	9,897,393	-	7,015,231	92,585,649
2045	92,585,649	-	9,842,156	-	6,794,004	89,537,497
2046	89,537,497	-	9,747,403	-	6,561,444	86,351,538
2047	86,351,538	-	9,599,473	-	6,320,265	83,072,330
2048	83,072,330	-	9,429,097	-	6,072,728	79,715,961
2049	79,715,961	-	9,227,555	-	5,820,419	76,308,825
2050	76,308,825	-	8,987,535	-	5,565,667	72,886,957
2051	72,886,957	-	8,712,072	-	5,311,146	69,486,031
2052	69,486,031	-	8,399,822	-	5,059,674	66,145,883
2053	66,145,883	-	8,061,921	-	4,813,906	62,897,868
2054	62,897,868	-	7,683,693	-	4,576,842	59,791,017
2055	59,791,017	-	7,290,200	-	4,351,309	56,852,126
2056	56,852,126	-	6,877,954	-	4,139,519	54,113,691
2057	54,113,691	-	6,450,972	-	3,943,836	51,606,555
2058	51,606,555	-	6,013,825	-	3,766,472	49,359,202
2059	49,359,202	-	5,569,793	-	3,609,509	47,398,918
2060	47,398,918	-	5,124,700	-	3,474,834	45,749,052
2061	45,749,052	-	4,682,560	-	3,364,102	44,430,594
2062	44,430,594	-	4,248,390	-	3,278,746	43,460,950
2063	43,460,950	-	3,826,678	-	3,219,940	42,854,212
2064	42,854,212	-	3,423,442	-	3,188,543	42,619,313
2065	42,619,313	-	3,042,335	-	3,185,106	42,762,084
2066	42,762,084	-	2,687,324	-	3,209,928	43,284,688
2067	43,284,688	-	2,362,118	-	3,263,031	44,185,601
2068	44,185,601	-	2,067,686	-	3,344,261	45,462,176

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 1
Plan Assumptions: 7.75% and RP-2000 Generational Mortality

Fiscal Year Beginning 10/1	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments*	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2069	45,462,176	-	1,803,969	-	3,453,415	47,111,622
2070	47,111,622	-	1,569,825	-	3,590,320	49,132,117
2071	49,132,117	-	1,363,409	-	3,754,907	51,523,615
2072	51,523,615	-	1,182,415	-	3,947,262	54,288,462
2073	54,288,462	-	1,024,911	-	4,167,641	57,431,192
2074	57,431,192	-	889,622	-	4,416,445	60,958,015
2075	60,958,015	-	773,837	-	4,694,260	64,878,438
2076	64,878,438	-	675,281	-	5,001,912	69,205,069
2077	69,205,069	-	590,865	-	5,340,497	73,954,701
2078	73,954,701	-	517,861	-	5,711,422	79,148,262
2079	79,148,262	-	453,879	-	6,116,402	84,810,785
2080	84,810,785	-	397,698	-	6,557,425	90,970,512
2081	90,970,512	-	347,955	-	7,036,731	97,659,288
2082	97,659,288	-	303,581	-	7,556,831	104,912,538
2083	104,912,538	-	263,814	-	8,120,499	112,769,223
2084	112,769,223	-	227,883	-	8,730,784	121,272,124
2085	121,272,124	-	195,471	-	9,391,015	130,467,668
2086	130,467,668	-	166,222	-	10,104,803	140,406,249
2087	140,406,249	-	140,122	-	10,876,055	151,142,182
2088	151,142,182	-	117,071	-	11,708,983	162,734,094
2089	162,734,094	-	96,954	-	12,608,135	175,245,275
2090	175,245,275	-	79,549	-	13,578,426	188,744,152
2091	188,744,152	-	64,504	-	14,625,172	203,304,820
2092	203,304,820	-	51,509	-	15,754,128	219,007,439
2093	219,007,439	-	40,292	-	16,971,515	235,938,662
2094	235,938,662	-	31,010	-	18,284,045	254,191,697
2095	254,191,697	-	23,476	-	19,698,947	273,867,168
2096	273,867,168	-	17,398	-	21,224,031	295,073,801
2097	295,073,801	-	12,632	-	22,867,730	317,928,899
2098	317,928,899	-	8,914	-	24,639,144	342,559,129
2099	342,559,129	-	6,135	-	26,548,095	369,101,089
2100	369,101,089	-	4,077	-	28,605,176	397,702,188
2101	397,702,188	-	2,640	-	30,821,817	428,521,365
2102	428,521,365	-	1,643	-	33,210,342	461,730,064
2103	461,730,064	-	1,016	-	35,784,041	497,513,089
2104	497,513,089	-	629	-	38,557,240	536,069,700
2105	536,069,700	-	388	-	41,545,387	577,614,699
2106	577,614,699	-	240	-	44,765,130	622,379,589
2107	622,379,589	-	147	-	48,234,412	670,613,854
2108	670,613,854	-	90	-	51,972,570	722,586,334
2109	722,586,334	-	55	-	56,000,439	778,586,718
2110	778,586,718	-	33	-	60,340,469	838,927,154
2111	838,927,154	-	20	-	65,016,854	903,943,988
2112	903,943,988	-	11	-	70,055,659	973,999,636
2113	973,999,636	-	7	-	75,484,972	1,049,484,601
2114	1,049,484,601	-	4	-	81,335,056	1,130,819,653
2115	1,130,819,653	-	2	-	87,638,523	1,218,458,174
2116	1,218,458,174	-	1	-	94,430,508	1,312,888,681
2117	1,312,888,681	-	-	-	101,748,873	1,414,637,554

*All DROP and Share Balances paid in 2017.

Number of Years Expected Benefit Payments Sustained: 999.99

This projection assumes no further contributions, assumes no further benefit accruals, and assumes Market Value of Assets earn 7.75% interest.

It is important to note that as long as the Actuarially Determined Contribution is made each year, the Plan will never become insolvent. Furthermore, State and local laws mandate that the Actuarially Determined Contribution be made each year.

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 2
Hypothetical Assumptions: 5.75% and RP-2000 Generational Mortality

Fiscal Year Beginning 10/1	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments*	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2017	104,611,026	-	8,567,273	-	5,768,825	101,812,578
2018	101,812,578	-	6,062,190	-	5,679,935	101,430,323
2019	101,430,323	-	6,289,501	-	5,651,420	100,792,242
2020	100,792,242	-	6,513,325	-	5,608,296	99,887,213
2021	99,887,213	-	6,751,465	-	5,549,410	98,685,158
2022	98,685,158	-	6,989,860	-	5,473,438	97,168,736
2023	97,168,736	-	7,233,918	-	5,379,227	95,314,045
2024	95,314,045	-	7,452,501	-	5,266,298	93,127,842
2025	93,127,842	-	7,696,226	-	5,133,584	90,565,200
2026	90,565,200	-	7,970,492	-	4,978,347	87,573,055
2027	87,573,055	-	8,232,379	-	4,798,770	84,139,446
2028	84,139,446	-	8,445,913	-	4,595,198	80,288,731
2029	80,288,731	-	8,644,633	-	4,368,069	76,012,167
2030	76,012,167	-	8,801,122	-	4,117,667	71,328,712
2031	71,328,712	-	8,950,097	-	3,844,086	66,222,701
2032	66,222,701	-	9,114,242	-	3,545,771	60,654,230
2033	60,654,230	-	9,242,439	-	3,221,898	54,633,689
2034	54,633,689	-	9,367,864	-	2,872,111	48,137,936
2035	48,137,936	-	9,483,664	-	2,495,276	41,149,548
2036	41,149,548	-	9,571,720	-	2,090,912	33,668,740
2037	33,668,740	-	9,682,920	-	1,657,569	25,643,389
2038	25,643,389	-	9,751,286	-	1,194,145	17,086,248
2039	17,086,248	-	9,823,995	-	700,019	7,962,272
2040	7,962,272	-	9,880,583	-	-	-

*All DROP and Share Balances paid in 2017.

Number of Years Expected Benefit Payments Sustained: 23.81

This projection assumes no further contributions, assumes no further benefit accruals, and assumes Market Value of Assets earn 5.75% interest.

It is important to note that as long as the Actuarially Determined Contribution is made each year, the Plan will never become insolvent. Furthermore, State and local laws mandate that the Actuarially Determined Contribution be made each year.

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 3
Hypothetical Assumptions: 9.75% and RP-2000 Generational Mortality

Fiscal Year Beginning 10/1	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments*	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2017	104,611,026	-	8,567,273	-	9,781,920	105,825,673
2018	105,825,673	-	6,062,190	-	10,022,471	109,785,954
2019	109,785,954	-	6,289,501	-	10,397,517	113,893,970
2020	113,893,970	-	6,513,325	-	10,787,137	118,167,782
2021	118,167,782	-	6,751,465	-	11,192,225	122,608,542
2022	122,608,542	-	6,989,860	-	11,613,577	127,232,259
2023	127,232,259	-	7,233,918	-	12,052,492	132,050,833
2024	132,050,833	-	7,452,501	-	12,511,647	137,109,979
2025	137,109,979	-	7,696,226	-	12,993,032	142,406,785
2026	142,406,785	-	7,970,492	-	13,496,100	147,932,393
2027	147,932,393	-	8,232,379	-	14,022,080	153,722,094
2028	153,722,094	-	8,445,913	-	14,576,166	159,852,347
2029	159,852,347	-	8,644,633	-	15,164,178	166,371,892
2030	166,371,892	-	8,801,122	-	15,792,205	173,362,975
2031	173,362,975	-	8,950,097	-	16,466,573	180,879,451
2032	180,879,451	-	9,114,242	-	17,191,427	188,956,636
2033	188,956,636	-	9,242,439	-	17,972,703	197,686,900
2034	197,686,900	-	9,367,864	-	18,817,789	207,136,825
2035	207,136,825	-	9,483,664	-	19,733,512	217,386,673
2036	217,386,673	-	9,571,720	-	20,728,579	228,543,532
2037	228,543,532	-	9,682,920	-	21,810,952	240,671,564
2038	240,671,564	-	9,751,286	-	22,990,102	253,910,380
2039	253,910,380	-	9,823,995	-	24,277,342	268,363,727
2040	268,363,727	-	9,880,583	-	25,683,785	284,166,929
2041	284,166,929	-	9,899,715	-	27,223,664	301,490,878
2042	301,490,878	-	9,928,151	-	28,911,363	320,474,090
2043	320,474,090	-	9,916,956	-	30,762,772	341,319,906
2044	341,319,906	-	9,897,393	-	32,796,193	364,218,706
2045	364,218,706	-	9,842,156	-	35,031,519	389,408,069
2046	389,408,069	-	9,747,403	-	37,492,101	417,152,767
2047	417,152,767	-	9,599,473	-	40,204,420	447,757,714
2048	447,757,714	-	9,429,097	-	43,196,709	481,525,326
2049	481,525,326	-	9,227,555	-	46,498,876	518,796,647
2050	518,796,647	-	8,987,535	-	50,144,531	559,953,643
2051	559,953,643	-	8,712,072	-	54,170,767	605,412,338
2052	605,412,338	-	8,399,822	-	58,618,212	655,630,728
2053	655,630,728	-	8,061,921	-	63,530,977	711,099,784
2054	711,099,784	-	7,683,693	-	68,957,649	772,373,740
2055	772,373,740	-	7,290,200	-	74,951,042	840,034,582
2056	840,034,582	-	6,877,954	-	81,568,071	914,724,699
2057	914,724,699	-	6,450,972	-	88,871,173	997,144,900
2058	997,144,900	-	6,013,825	-	96,928,454	1,088,059,529
2059	1,088,059,529	-	5,569,793	-	105,814,277	1,188,304,013
2060	1,188,304,013	-	5,124,700	-	115,609,812	1,298,789,125
2061	1,298,789,125	-	4,682,560	-	126,403,665	1,420,510,230
2062	1,420,510,230	-	4,248,390	-	138,292,638	1,554,554,478
2063	1,554,554,478	-	3,826,678	-	151,382,511	1,702,110,311
2064	1,702,110,311	-	3,423,442	-	165,788,863	1,864,475,732
2065	1,864,475,732	-	3,042,335	-	181,638,070	2,043,071,467
2066	2,043,071,467	-	2,687,324	-	199,068,461	2,239,452,604
2067	2,239,452,604	-	2,362,118	-	218,231,476	2,455,321,962
2068	2,455,321,962	-	2,067,686	-	239,293,092	2,692,547,368

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 3
Hypothetical Assumptions: 9.75% and RP-2000 Generational Mortality

Fiscal Year Beginning 10/1	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments*	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2069	2,692,547,368	-	1,803,969	-	262,435,425	2,953,178,824
2070	2,953,178,824	-	1,569,825	-	287,858,406	3,239,467,405
2071	3,239,467,405	-	1,363,409	-	315,781,606	3,553,885,602
2072	3,553,885,602	-	1,182,415	-	346,446,203	3,899,149,390
2073	3,899,149,390	-	1,024,911	-	380,117,101	4,278,241,580
2074	4,278,241,580	-	889,622	-	417,085,185	4,694,437,143
2075	4,694,437,143	-	773,837	-	457,669,897	5,151,333,203
2076	5,151,333,203	-	675,281	-	502,222,067	5,652,879,989
2077	5,652,879,989	-	590,865	-	551,126,994	6,203,416,118
2078	6,203,416,118	-	517,861	-	604,807,826	6,807,706,083
2079	6,807,706,083	-	453,879	-	663,729,216	7,470,981,420
2080	7,470,981,420	-	397,698	-	728,401,301	8,198,985,023
2081	8,198,985,023	-	347,955	-	799,384,077	8,998,021,145
2082	8,998,021,145	-	303,581	-	877,292,262	9,875,009,826
2083	9,875,009,826	-	263,814	-	962,800,597	10,837,546,609
2084	10,837,546,609	-	227,883	-	1,056,649,685	11,893,968,411
2085	11,893,968,411	-	195,471	-	1,159,652,391	13,053,425,331
2086	13,053,425,331	-	166,222	-	1,272,700,866	14,325,959,975
2087	14,325,959,975	-	140,122	-	1,396,774,267	15,722,594,120
2088	15,722,594,120	-	117,071	-	1,532,947,219	17,255,424,268
2089	17,255,424,268	-	96,954	-	1,682,399,140	18,937,726,454
2090	18,937,726,454	-	79,549	-	1,846,424,451	20,784,071,356
2091	20,784,071,356	-	64,504	-	2,026,443,813	22,810,450,665
2092	22,810,450,665	-	51,509	-	2,224,016,429	25,034,415,585
2093	25,034,415,585	-	40,292	-	2,440,853,555	27,475,228,848
2094	27,475,228,848	-	31,010	-	2,678,833,301	30,154,031,139
2095	30,154,031,139	-	23,476	-	2,940,016,892	33,094,024,555
2096	33,094,024,555	-	17,398	-	3,226,666,546	36,320,673,703
2097	36,320,673,703	-	12,632	-	3,541,265,070	39,861,926,141
2098	39,861,926,141	-	8,914	-	3,886,537,364	43,748,454,591
2099	43,748,454,591	-	6,135	-	4,265,474,024	48,013,922,480
2100	48,013,922,480	-	4,077	-	4,681,357,243	52,695,275,646
2101	52,695,275,646	-	2,640	-	5,137,789,247	57,833,062,253
2102	57,833,062,253	-	1,643	-	5,638,723,490	63,471,784,100
2103	63,471,784,100	-	1,016	-	6,188,498,900	69,660,281,984
2104	69,660,281,984	-	629	-	6,791,877,463	76,452,158,818
2105	76,452,158,818	-	388	-	7,454,085,466	83,906,243,896
2106	83,906,243,896	-	240	-	8,180,858,768	92,087,102,424
2107	92,087,102,424	-	147	-	8,978,492,479	101,065,594,756
2108	101,065,594,756	-	90	-	9,853,895,484	110,919,490,150
2109	110,919,490,150	-	55	-	10,814,650,287	121,734,140,382
2110	121,734,140,382	-	33	-	11,869,078,686	133,603,219,035
2111	133,603,219,035	-	20	-	13,026,313,855	146,629,532,870
2112	146,629,532,870	-	11	-	14,296,379,454	160,925,912,313
2113	160,925,912,313	-	7	-	15,690,276,450	176,616,188,756
2114	176,616,188,756	-	4	-	17,220,078,404	193,836,267,156
2115	193,836,267,156	-	2	-	18,899,036,048	212,735,303,202
2116	212,735,303,202	-	1	-	20,741,692,062	233,476,995,263
2117	233,476,995,263	-	-	-	22,764,007,038	256,241,002,301

*All DROP and Share Balances paid in 2017.

Number of Years Expected Benefit Payments Sustained: 999.99

This projection assumes no further contributions, assumes no further benefit accruals, and assumes Market Value of Assets earn 9.75% interest.

It is important to note that as long as the Actuarially Determined Contribution is made each year, the Plan will never become insolvent. Furthermore, State and local laws mandate that the Actuarially Determined Contribution be made each year.

ACTUAL AND HYPOTHETICAL CONTRIBUTIONS APPLICABLE TO THE FISCAL YEAR
ENDING SEPTEMBER 30, 2019

Valuation Date: 10/1/2017

	ACTUAL	HYPOTHETICAL	
	7.75% RP-2000 Generational	5.75% RP-2000 Generational	9.75% RP-2000 Generational
Total Required Contribution (Fixed \$)	\$3,212,704	\$6,785,259	\$1,070,350
Total Required Contribution (% of Payroll)	39.6%	83.4%	13.2%
Expected Member Contribution	719,541	712,614	726,468
Expected State Money	618,632	618,632	618,632
Expected Sponsor Contribution (Fixed \$)	\$1,874,531	\$5,454,013	\$0
Expected Sponsor Contribution (% of Payroll)	23.2%	67.0%	0.0%

ASSETS

Actuarial Value ¹	103,139,919	103,139,919	103,139,919
Market Value ¹	104,611,026	104,611,026	104,611,026

LIABILITIES

Present Value of Benefits			
Active Members			
Retirement Benefits	34,404,671	53,154,430	23,633,658
Disability Benefits	2,140,491	3,038,068	1,580,911
Death Benefits	112,332	154,794	83,639
Vested Benefits	2,661,575	4,790,358	1,575,685
Refund of Contributions	132,205	135,437	129,171
Service Retirees	66,911,370	85,449,453	54,421,250
DROP Retirees ¹	13,218,410	16,491,984	11,079,759
Beneficiaries	1,147,671	1,422,663	953,608
Disability Retirees	3,837,216	4,815,925	3,178,490
Terminated Vested	855,005	1,222,907	629,762
Share Plan Balances ¹	191,255	191,255	191,255
Total:	125,612,201	170,867,274	97,457,188
Present Value of Future Salaries	54,089,935	60,050,229	49,232,705
Present Value of Future Member Contributions	4,738,278	5,260,400	4,312,785
Total Normal Cost	1,531,262	2,566,999	965,559
Present Value of Future Normal Costs (Entry Age Normal)	10,338,553	19,285,724	5,900,274
Total Actuarial Accrued Liability ¹	115,273,648	151,581,550	91,556,914
Unfunded Actuarial Accrued Liability (UAAL)	12,133,729	48,441,631	(11,583,005)

ACTUAL AND HYPOTHETICAL CONTRIBUTIONS APPLICABLE TO THE FISCAL YEAR
ENDING SEPTEMBER 30, 2019

Valuation Date: 10/1/2017

	ACTUAL	HYPOTHETICAL	
	7.75% RP-2000 Generational	5.75% RP-2000 Generational	9.75% RP-2000 Generational
<u>PENSION COST</u>			
Normal Cost ²	1,681,263	2,791,326	1,070,350
Administrative Expenses ²	339,538	336,270	342,807
Payment Required To Amortize UAAL ²	1,191,903	3,657,663	(1,112,643)
Total Required Contribution	\$3,212,704	\$6,785,259	\$1,070,350 ³

¹ The asset values and liabilities include accumulated DROP and Share Plan Balances as of 9/30/2017.

² Contributions developed as of 10/1/2017 displayed above have been adjusted to account for assumed salary increase and interest components.

³ Per Florida Statutes, the Minimum Required Contribution may be no less than the Normal Cost.