

March 24, 2017

VIA EMAIL

Ms. Ferrell Jenne
Lead Plan Administrator
Foster & Foster, Inc.
2503 Del Prado Blvd. S., Suite 502
Cape Coral, FL 33904

Re: Palm Harbor Special Fire Control and Rescue District Firefighters' Pension Plan
Senate Bill 534 (Section 112.664, Florida Statutes) Compliance

Dear Ferrell:

Please find enclosed the annual disclosures that satisfy the October 1, 2016 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: 

Douglas H. Lozen, EA, MAAA
Enrolled Actuary #14-7778

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Enclosures

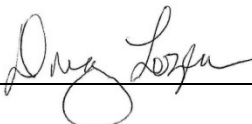
cc via email: H. Lee Dehner, Board Attorney

PALM HARBOR SPECIAL FIRE CONTROL AND RESCUE DISTRICT
FIREFIGHTERS' PENSION PLAN

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: 3/24/2017

Douglas H. Lozen, EA, MAAA
Enrolled Actuary #14-7778



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, 2016 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.

GASB 67: SCHEDULE OF CHANGES IN NET PENSION LIABILITY
FISCAL YEAR SEPTEMBER 30, 2016

	ACTUAL	HYPOTHETICAL	
	7.50% RP-2000 Generational	5.50% RP-2000 Generational	9.50% RP-2000 Generational
Total Pension Liability			
Service Cost	958,896	1,674,915	655,381
Interest	1,369,513	1,469,114	1,391,826
Change in Excess State Money	-	-	-
Share Plan Allocation	-	-	-
Changes of Benefit Terms	-	-	-
Differences Between Expected and Actual Experience	(450,681)	(413,842)	(497,221)
Changes of Assumptions	195,321	(1,295,523)	(646,058)
Benefit Payments, Including Refunds of Employee Contributions	(279,543)	(279,543)	(279,543)
Net Change in Total Pension Liability	1,793,506	1,155,121	624,385
Total Pension Liability - Beginning	17,441,045	25,176,014	14,135,192
Total Pension Liability - Ending (a)	<u>\$ 19,234,551</u>	<u>\$ 26,331,135</u>	<u>\$ 14,759,577</u>
Plan Fiduciary Net Position			
Contributions - Employer	714,620	714,620	714,620
Contributions - State	387,020	387,020	387,020
Contributions - Employee	217,200	217,200	217,200
Contributions - Buy Back	-	-	-
Net Investment Income	1,852,606	1,852,606	1,852,606
Benefit Payments, Including Refunds of Employee Contributions	(279,543)	(279,543)	(279,543)
Administrative Expenses	(52,960)	(52,960)	(52,960)
Other	-	-	-
Net Change in Plan Fiduciary Net Position	2,838,943	2,838,943	2,838,943
Plan Fiduciary Net Position - Beginning	15,628,402	15,628,402	15,628,402
Plan Fiduciary Net Position - Ending (b)	<u>\$ 18,467,345</u>	<u>\$ 18,467,345</u>	<u>\$ 18,467,345</u>
Net Pension Liability - Ending (a) - (b)	<u>\$ 767,206</u>	<u>\$ 7,863,790</u>	<u>\$ (3,707,768)</u>

GASB 68: PENSION EXPENSE
FISCAL YEAR SEPTEMBER 30, 2016

	ACTUAL	HYPOTHETICAL	
	7.50% RP-2000 Generational	5.50% RP-2000 Generational	9.50% RP-2000 Generational
Pension Expense	<u>\$ 1,208,163</u>	<u>\$ 2,052,869</u>	<u>\$ 645,536</u>

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 1
Plan Assumptions: 7.50% 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
2016	18,467,345	-	2,270,639	-	1,299,902	17,496,608
2017	17,496,608	-	345,421	-	1,299,292	18,450,479
2018	18,450,479	-	369,978	-	1,369,912	19,450,413
2019	19,450,413	-	397,562	-	1,443,872	20,496,723
2020	20,496,723	-	426,937	-	1,521,244	21,591,030
2021	21,591,030	-	453,674	-	1,602,314	22,739,670
2022	22,739,670	-	542,819	-	1,685,120	23,881,971
2023	23,881,971	-	761,262	-	1,762,601	24,883,310
2024	24,883,310	-	849,437	-	1,834,394	25,868,267
2025	25,868,267	-	926,589	-	1,905,373	26,847,051
2026	26,847,051	-	996,700	-	1,976,153	27,826,504
2027	27,826,504	-	1,160,757	-	2,043,459	28,709,206
2028	28,709,206	-	1,258,984	-	2,105,979	29,556,201
2029	29,556,201	-	1,336,299	-	2,166,604	30,386,506
2030	30,386,506	-	1,400,407	-	2,226,473	31,212,572
2031	31,212,572	-	1,460,689	-	2,286,167	32,038,050
2032	32,038,050	-	1,549,694	-	2,344,740	32,833,096
2033	32,833,096	-	1,578,184	-	2,403,300	33,658,212
2034	33,658,212	-	1,623,866	-	2,463,471	34,497,817
2035	34,497,817	-	1,665,838	-	2,524,867	35,356,846
2036	35,356,846	-	1,693,961	-	2,588,240	36,251,125
2037	36,251,125	-	1,713,766	-	2,654,568	37,191,927
2038	37,191,927	-	1,737,724	-	2,724,230	38,178,433
2039	38,178,433	-	1,770,397	-	2,796,993	39,205,029
2040	39,205,029	-	1,802,493	-	2,872,784	40,275,320
2041	40,275,320	-	1,832,987	-	2,951,912	41,394,245
2042	41,394,245	-	1,849,802	-	3,035,201	42,579,644
2043	42,579,644	-	1,868,188	-	3,123,416	43,834,872
2044	43,834,872	-	1,883,388	-	3,216,988	45,168,472
2045	45,168,472	-	1,895,888	-	3,316,540	46,589,124
2046	46,589,124	-	1,906,482	-	3,422,691	48,105,333
2047	48,105,333	-	1,913,839	-	3,536,131	49,727,625
2048	49,727,625	-	1,917,745	-	3,657,656	51,467,536
2049	51,467,536	-	1,917,127	-	3,788,173	53,338,582
2050	53,338,582	-	1,912,692	-	3,928,668	55,354,558
2051	55,354,558	-	1,904,344	-	4,080,179	57,530,393
2052	57,530,393	-	1,892,600	-	4,243,807	59,881,600
2053	59,881,600	-	1,876,782	-	4,420,741	62,425,559
2054	62,425,559	-	1,856,872	-	4,612,284	65,180,971
2055	65,180,971	-	1,832,349	-	4,819,860	68,168,482
2056	68,168,482	-	1,802,876	-	5,045,028	71,410,634
2057	71,410,634	-	1,767,969	-	5,289,499	74,932,164
2058	74,932,164	-	1,726,785	-	5,555,158	78,760,537
2059	78,760,537	-	1,678,892	-	5,844,082	82,925,727
2060	82,925,727	-	1,623,951	-	6,158,531	87,460,307
2061	87,460,307	-	1,562,019	-	6,500,947	92,399,235
2062	92,399,235	-	1,493,336	-	6,873,943	97,779,842
2063	97,779,842	-	1,418,477	-	7,280,295	103,641,660
2064	103,641,660	-	1,338,080	-	7,722,947	110,026,527
2065	110,026,527	-	1,254,109	-	8,204,960	116,977,378

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 1
Plan Assumptions: 7.50% 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
2066	116,977,378	-	1,168,715	-	8,729,477	124,538,140
2067	124,538,140	-	1,082,823	-	9,299,755	132,755,072
2068	132,755,072	-	997,561	-	9,919,222	141,676,733
2069	141,676,733	-	914,335	-	10,591,467	151,353,865
2070	151,353,865	-	833,881	-	11,320,269	161,840,253
2071	161,840,253	-	756,516	-	12,109,650	173,193,387
2072	173,193,387	-	682,602	-	12,963,906	185,474,691
2073	185,474,691	-	612,236	-	13,887,643	198,750,098
2074	198,750,098	-	545,415	-	14,885,804	213,090,487
2075	213,090,487	-	482,309	-	15,963,700	228,571,878
2076	228,571,878	-	422,855	-	17,127,034	245,276,057
2077	245,276,057	-	367,917	-	18,381,907	263,290,047
2078	263,290,047	-	317,613	-	19,734,843	282,707,277
2079	282,707,277	-	271,248	-	21,192,874	303,628,903
2080	303,628,903	-	229,164	-	22,763,574	326,163,313
2081	326,163,313	-	191,573	-	24,455,064	350,426,804
2082	350,426,804	-	158,660	-	26,276,061	376,544,205
2083	376,544,205	-	130,055	-	28,235,938	404,650,088
2084	404,650,088	-	105,666	-	30,344,794	434,889,216
2085	434,889,216	-	84,880	-	32,613,508	467,417,844
2086	467,417,844	-	67,578	-	35,053,804	502,404,070
2087	502,404,070	-	53,264	-	37,678,308	540,029,114
2088	540,029,114	-	41,591	-	40,500,624	580,488,147
2089	580,488,147	-	32,077	-	43,535,408	623,991,478
2090	623,991,478	-	24,527	-	46,798,441	670,765,392
2091	670,765,392	-	18,531	-	50,306,709	721,053,570
2092	721,053,570	-	13,826	-	54,078,499	775,118,243
2093	775,118,243	-	10,178	-	58,133,487	833,241,552
2094	833,241,552	-	7,386	-	62,492,839	895,727,005
2095	895,727,005	-	5,269	-	67,179,328	962,901,064
2096	962,901,064	-	3,697	-	72,217,441	1,035,114,808
2097	1,035,114,808	-	2,546	-	77,633,515	1,112,745,777
2098	1,112,745,777	-	1,718	-	83,455,869	1,196,199,928
2099	1,196,199,928	-	1,133	-	89,714,952	1,285,913,747
2100	1,285,913,747	-	734	-	96,443,504	1,382,356,517
2101	1,382,356,517	-	472	-	103,676,721	1,486,032,766
2102	1,486,032,766	-	302	-	111,452,446	1,597,484,910
2103	1,597,484,910	-	190	-	119,811,361	1,717,296,081
2104	1,717,296,081	-	118	-	128,797,202	1,846,093,165
2105	1,846,093,165	-	74	-	138,456,985	1,984,550,076
2106	1,984,550,076	-	47	-	148,841,254	2,133,391,283
2107	2,133,391,283	-	29	-	160,004,345	2,293,395,599
2108	2,293,395,599	-	18	-	172,004,669	2,465,400,250
2109	2,465,400,250	-	11	-	184,905,018	2,650,305,257
2110	2,650,305,257	-	7	-	198,772,894	2,849,078,144
2111	2,849,078,144	-	4	-	213,680,861	3,062,759,001
2112	3,062,759,001	-	2	-	229,706,925	3,292,465,924
2113	3,292,465,924	-	1	-	246,934,944	3,539,400,867

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 1
Plan Assumptions: 7.50% 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
2114	3,539,400,867	-	1	-	265,455,065	3,804,855,931
2115	3,804,855,931	-	-	-	285,364,195	4,090,220,126

*All Share Balances paid in 2016.

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 7.50% 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: 5.50% 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
2016	18,467,345	-	2,270,639	-	953,261	17,149,967
2017	17,149,967	-	345,421	-	933,749	17,738,295
2018	17,738,295	-	369,978	-	965,432	18,333,749
2019	18,333,749	-	397,562	-	997,423	18,933,610
2020	18,933,610	-	426,937	-	1,029,608	19,536,281
2021	19,536,281	-	453,674	-	1,062,019	20,144,626
2022	20,144,626	-	542,819	-	1,093,027	20,694,834
2023	20,694,834	-	761,262	-	1,117,281	21,050,853
2024	21,050,853	-	849,437	-	1,134,437	21,335,853
2025	21,335,853	-	926,589	-	1,147,991	21,557,255
2026	21,557,255	-	996,700	-	1,158,240	21,718,795
2027	21,718,795	-	1,160,757	-	1,162,613	21,720,651
2028	21,720,651	-	1,258,984	-	1,160,014	21,621,681
2029	21,621,681	-	1,336,299	-	1,152,444	21,437,826
2030	21,437,826	-	1,400,407	-	1,140,569	21,177,988
2031	21,177,988	-	1,460,689	-	1,124,620	20,841,919
2032	20,841,919	-	1,549,694	-	1,103,689	20,395,914
2033	20,395,914	-	1,578,184	-	1,078,375	19,896,105
2034	19,896,105	-	1,623,866	-	1,049,629	19,321,868
2035	19,321,868	-	1,665,838	-	1,016,892	18,672,922
2036	18,672,922	-	1,693,961	-	980,427	17,959,388
2037	17,959,388	-	1,713,766	-	940,638	17,186,260
2038	17,186,260	-	1,737,724	-	897,457	16,345,993
2039	16,345,993	-	1,770,397	-	850,344	15,425,940
2040	15,425,940	-	1,802,493	-	798,858	14,422,305
2041	14,422,305	-	1,832,987	-	742,820	13,332,138
2042	13,332,138	-	1,849,802	-	682,398	12,164,734
2043	12,164,734	-	1,868,188	-	617,685	10,914,231
2044	10,914,231	-	1,883,388	-	548,490	9,579,333
2045	9,579,333	-	1,895,888	-	474,726	8,158,171
2046	8,158,171	-	1,906,482	-	396,271	6,647,960
2047	6,647,960	-	1,913,839	-	313,007	5,047,128
2048	5,047,128	-	1,917,745	-	224,854	3,354,237
2049	3,354,237	-	1,917,127	-	131,762	1,568,872
2050	1,568,872	-	1,912,692	-	-	-

*All Share Balances paid in 2016.

Number of Years Expected Benefit Payments Sustained: 34.82

This projection assumes no further contributions, assumes no further benefit accruals, and assumes Market Value of Assets earn 5.50% 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: 9.50% 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
2016	18,467,345	-	2,270,639	-	1,646,542	17,843,248
2017	17,843,248	-	345,421	-	1,678,701	19,176,528
2018	19,176,528	-	369,978	-	1,804,196	20,610,746
2019	20,610,746	-	397,562	-	1,939,137	22,152,321
2020	22,152,321	-	426,937	-	2,084,191	23,809,575
2021	23,809,575	-	453,674	-	2,240,360	25,596,261
2022	25,596,261	-	542,819	-	2,405,861	27,459,303
2023	27,459,303	-	761,262	-	2,572,474	29,270,515
2024	29,270,515	-	849,437	-	2,740,351	31,161,429
2025	31,161,429	-	926,589	-	2,916,323	33,151,163
2026	33,151,163	-	996,700	-	3,102,017	35,256,480
2027	35,256,480	-	1,160,757	-	3,294,230	37,389,953
2028	37,389,953	-	1,258,984	-	3,492,244	39,623,213
2029	39,623,213	-	1,336,299	-	3,700,731	41,987,645
2030	41,987,645	-	1,400,407	-	3,922,307	44,509,545
2031	44,509,545	-	1,460,689	-	4,159,024	47,207,880
2032	47,207,880	-	1,549,694	-	4,411,138	50,069,324
2033	50,069,324	-	1,578,184	-	4,681,622	53,172,762
2034	53,172,762	-	1,623,866	-	4,974,279	56,523,175
2035	56,523,175	-	1,665,838	-	5,290,574	60,147,911
2036	60,147,911	-	1,693,961	-	5,633,588	64,087,538
2037	64,087,538	-	1,713,766	-	6,006,912	68,380,684
2038	68,380,684	-	1,737,724	-	6,413,623	73,056,583
2039	73,056,583	-	1,770,397	-	6,856,282	78,142,468
2040	78,142,468	-	1,802,493	-	7,337,916	83,677,891
2041	83,677,891	-	1,832,987	-	7,862,333	89,707,237
2042	89,707,237	-	1,849,802	-	8,434,322	96,291,757
2043	96,291,757	-	1,868,188	-	9,058,978	103,482,547
2044	103,482,547	-	1,883,388	-	9,741,381	111,340,540
2045	111,340,540	-	1,895,888	-	10,487,297	119,931,949
2046	119,931,949	-	1,906,482	-	11,302,977	129,328,444
2047	129,328,444	-	1,913,839	-	12,195,295	139,609,900
2048	139,609,900	-	1,917,745	-	13,171,848	150,864,003
2049	150,864,003	-	1,917,127	-	14,241,017	163,187,893
2050	163,187,893	-	1,912,692	-	15,411,997	176,687,198
2051	176,687,198	-	1,904,344	-	16,694,827	191,477,681
2052	191,477,681	-	1,892,600	-	18,100,481	207,685,562
2053	207,685,562	-	1,876,782	-	19,640,981	225,449,761
2054	225,449,761	-	1,856,872	-	21,329,526	244,922,415
2055	244,922,415	-	1,832,349	-	23,180,593	266,270,659
2056	266,270,659	-	1,802,876	-	25,210,076	289,677,859
2057	289,677,859	-	1,767,969	-	27,435,418	315,345,308
2058	315,345,308	-	1,726,785	-	29,875,782	343,494,305
2059	343,494,305	-	1,678,892	-	32,552,212	374,367,625
2060	374,367,625	-	1,623,951	-	35,487,787	408,231,461
2061	408,231,461	-	1,562,019	-	38,707,793	445,377,235
2062	445,377,235	-	1,493,336	-	42,239,904	486,123,803
2063	486,123,803	-	1,418,477	-	46,114,384	530,819,710
2064	530,819,710	-	1,338,080	-	50,364,314	579,845,944
2065	579,845,944	-	1,254,109	-	55,025,795	633,617,630

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 3
Hypothetical Assumptions: 9.50% 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
2066	633,617,630	-	1,168,715	-	60,138,161	692,587,076
2067	692,587,076	-	1,082,823	-	65,744,338	757,248,591
2068	757,248,591	-	997,561	-	71,891,232	828,142,262
2069	828,142,262	-	914,335	-	78,630,084	905,858,011
2070	905,858,011	-	833,881	-	86,016,902	991,041,032
2071	991,041,032	-	756,516	-	94,112,964	1,084,397,480
2072	1,084,397,480	-	682,602	-	102,985,337	1,186,700,215
2073	1,186,700,215	-	612,236	-	112,707,439	1,298,795,418
2074	1,298,795,418	-	545,415	-	123,359,657	1,421,609,660
2075	1,421,609,660	-	482,309	-	135,030,008	1,556,157,359
2076	1,556,157,359	-	422,855	-	147,814,863	1,703,549,367
2077	1,703,549,367	-	367,917	-	161,819,714	1,865,001,164
2078	1,865,001,164	-	317,613	-	177,160,024	2,041,843,575
2079	2,041,843,575	-	271,248	-	193,962,255	2,235,534,582
2080	2,235,534,582	-	229,164	-	212,364,900	2,447,670,318
2081	2,447,670,318	-	191,573	-	232,519,580	2,679,998,325
2082	2,679,998,325	-	158,660	-	254,592,305	2,934,431,970
2083	2,934,431,970	-	130,055	-	278,764,860	3,213,066,775
2084	3,213,066,775	-	105,666	-	305,236,324	3,518,197,433
2085	3,518,197,433	-	84,880	-	334,224,724	3,852,337,277
2086	3,852,337,277	-	67,578	-	365,968,831	4,218,238,530
2087	4,218,238,530	-	53,264	-	400,730,130	4,618,915,396
2088	4,618,915,396	-	41,591	-	438,794,987	5,057,668,792
2089	5,057,668,792	-	32,077	-	480,477,012	5,538,113,727
2090	5,538,113,727	-	24,527	-	526,119,639	6,064,208,839
2091	6,064,208,839	-	18,531	-	576,098,959	6,640,289,267
2092	6,640,289,267	-	13,826	-	630,826,824	7,271,102,265
2093	7,271,102,265	-	10,178	-	690,754,232	7,961,846,319
2094	7,961,846,319	-	7,386	-	756,375,049	8,718,213,982
2095	8,718,213,982	-	5,269	-	828,230,078	9,546,438,791
2096	9,546,438,791	-	3,697	-	906,911,510	10,453,346,604
2097	10,453,346,604	-	2,546	-	993,067,806	11,446,411,864
2098	11,446,411,864	-	1,718	-	1,087,409,045	12,533,819,191
2099	12,533,819,191	-	1,133	-	1,190,712,769	13,724,530,827
2100	13,724,530,827	-	734	-	1,303,830,394	15,028,360,487
2101	15,028,360,487	-	472	-	1,427,694,224	16,456,054,239
2102	16,456,054,239	-	302	-	1,563,325,138	18,019,379,075
2103	18,019,379,075	-	190	-	1,711,841,003	19,731,219,888
2104	19,731,219,888	-	118	-	1,874,465,884	21,605,685,654
2105	21,605,685,654	-	74	-	2,052,540,134	23,658,225,714
2106	23,658,225,714	-	47	-	2,247,531,441	25,905,757,108
2107	25,905,757,108	-	29	-	2,461,046,924	28,366,804,003
2108	28,366,804,003	-	18	-	2,694,846,379	31,061,650,364
2109	31,061,650,364	-	11	-	2,950,856,784	34,012,507,137
2110	34,012,507,137	-	7	-	3,231,188,178	37,243,695,308
2111	37,243,695,308	-	4	-	3,538,151,054	40,781,846,358
2112	40,781,846,358	-	2	-	3,874,275,404	44,656,121,760
2113	44,656,121,760	-	1	-	4,242,331,567	48,898,453,326

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 3
Hypothetical Assumptions: 9.50% 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
2114	48,898,453,326	-	1	-	4,645,353,066	53,543,806,391
2115	53,543,806,391	-	-	-	5,086,661,607	58,630,467,998

*All Share Balances paid in 2016.

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 9.50% 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, 2018

Valuation Date: 10/1/2016

	ACTUAL	HYPOTHETICAL	
	7.50% RP-2000 Generational	5.50% RP-2000 Generational	9.50% RP-2000 Generational
Total Required Contribution (Fixed \$)	\$1,526,055	\$2,823,933	\$811,993
Total Required Contribution (% of Payroll)	47.54%	87.97%	25.29%
Expected Member Contribution	237,870	237,870	237,870
Expected State Money	387,020	387,020	387,020
Expected Sponsor Contribution (Fixed \$)	\$901,165	\$2,199,043	\$187,103
Expected Sponsor Contribution (% of Payroll)	28.07%	68.50%	5.82%

ASSETS

Actuarial Value ¹	18,248,048	18,248,048	18,248,048
Market Value ¹	18,467,345	18,467,345	18,467,345

LIABILITIES

Present Value of Benefits			
Active Members			
Retirement Benefits	22,458,425	37,229,457	14,435,560
Disability Benefits	1,334,007	1,940,569	963,001
Death Benefits	758,549	1,244,008	499,852
Vested Benefits	1,289,089	2,222,343	806,993
Refund of Contributions	23,056	24,179	22,024
Service Retirees	3,195,328	4,153,601	2,569,803
DROP Retirees ¹	0	0	0
Beneficiaries	0	0	0
Disability Retirees	467,006	659,612	355,601
Terminated Vested	153,710	266,358	94,218
Share Plan Balances	2,009,936	2,009,936	2,009,936
Total:	31,689,106	49,750,063	21,756,988
Present Value of Future Salaries	31,466,733	35,674,200	28,098,216
Present Value of Future Member Contributions	2,331,685	2,643,458	2,082,078
Total Normal Cost	1,231,809	2,040,828	775,172
Present Value of Future Normal Costs (Entry Age Normal)	11,874,089	22,507,347	6,628,011
Total Actuarial Accrued Liability ¹	19,815,017	27,242,716	15,128,977
Unfunded Actuarial Accrued Liability (UAAL)	1,566,969	8,994,668	(3,119,071)

ACTUAL AND HYPOTHETICAL CONTRIBUTIONS APPLICABLE TO THE FISCAL YEAR
ENDING SEPTEMBER 30, 2018

Valuation Date: 10/1/2016

	ACTUAL	HYPOTHETICAL	
	7.50% RP-2000 Generational	5.50% RP-2000 Generational	9.50% RP-2000 Generational
<u>PENSION COST</u>			
Normal Cost (with interest)	1,278,002	2,096,951	811,993
Administrative Expenses (with interest)	54,946	54,416	55,476
Payment Required To Amortize UAAL (with interest)	193,107	672,566	(243,189)
Total Required Contribution	\$1,526,055	\$2,823,933	\$811,993 ²

¹ The asset values and liabilities include accumulated Share Plan Balances as of 9/30/2016.

² Per Florida Statutes, the Minimum Required Contribution may be no less than the Normal Cost.

**Palm Harbor Special Fire Control and Rescue District
Firefighters' Pension Plan**

Asset Allocation

	<u>% Cash</u>	<u>% Fixed</u>	<u>% Equities</u>	<u>% Total</u>
9/30/16	4.35	27.50	68.15	100
9/30/15	2.18	29.13	68.69	100
9/30/14	6.08	26.09	67.83	100
9/30/13	5.13	25.86	69.01	100
9/30/12	9.62	24.48	65.90	100

Return Data

	<u>Actual Rate of Return (Net)</u>	<u>Assumed Rate of Return</u>
9/30/16	12.00%	7.50%
9/30/15	-5.52%	7.50%
9/30/14	12.87%	7.50%
9/30/13	10.51%	7.50%
9/30/12	18.18%	7.50%
5 Year Annualized	9.30%	