

CITY OF LAKE WALES
GENERAL EMPLOYEES' PENSION PLAN AND TRUST

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: Patrick T. Donlan Date: 4/27/2016
Patrick T. Donlan, EA, ASA, MAAA
Enrolled Actuary #14-6595



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, 2015 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.

	ACTUAL	HYPOTHETICAL		
	7.75% RP-2000 Static 9/30/2015	7.75% RP-2000 Generational 9/30/2015	5.75% RP-2000 Generational 9/30/2015	9.75% RP-2000 Generational 9/30/2015
<u>GASB 67: Schedule of Changes in Net Pension Liability</u>				
<u>Total Pension Liability</u>				
Service Cost	312,998	319,364	440,485	242,939
Interest	698,894	712,338	666,378	733,947
Changes of Benefit Terms	-	-	-	-
Differences Between Expected and Actual Experience	(17,979)	(26,362)	40,160	(72,334)
Changes of Assumptions	-	-	-	-
Contributions - Buy Back	385,692	385,692	385,692	385,692
Benefit Payments, Including Refunds of Employee Contributions	(655,950)	(655,950)	(655,950)	(655,950)
Net Change in Total Pension Liability	723,655	735,082	876,765	634,294
Total Pension Liability - Beginning	9,032,970	9,200,065	11,476,674	7,612,698
Total Pension Liability - Ending (a)	<u>\$ 9,756,625</u>	<u>\$ 9,935,147</u>	<u>\$ 12,353,439</u>	<u>\$ 8,246,992</u>
<u>Plan Fiduciary Net Position</u>				
Contributions - Employer	267,810	267,810	267,810	267,810
Contributions - Employee	159,411	159,411	159,411	159,411
Contributions - Buy Back	385,692	385,692	385,692	385,692
Net Investment Income	(104,312)	(104,312)	(104,312)	(104,312)
Benefit Payments, Including Refunds of Employee Contributions	(655,950)	(655,950)	(655,950)	(655,950)
Administrative Expenses	(28,065)	(28,065)	(28,065)	(28,065)
Net Change in Plan Fiduciary Net Position	24,586	24,586	24,586	24,586
Plan Fiduciary Net Position - Beginning	9,318,555	9,318,555	9,318,555	9,318,555
Plan Fiduciary Net Position - Ending (b)	<u>\$ 9,343,141</u>	<u>\$ 9,343,141</u>	<u>\$ 9,343,141</u>	<u>\$ 9,343,141</u>
Net Pension Liability - Ending (a) - (b)	<u>\$ 413,484</u>	<u>\$ 592,006</u>	<u>\$ 3,010,298</u>	<u>\$ (1,096,149)</u>

GASB 68: Pension Expense for Fiscal Year Ending September 30, 2015

Pension Expense	<u>\$ 150,455</u>	<u>\$ 169,096</u>	<u>\$ 382,558</u>	<u>\$ (23,976)</u>
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PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 1
Plan Assumptions: 7.75% and RP-2000 Static 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
2015	9,343,141	-	708,380	-	696,644	9,331,405
2016	9,331,405	-	631,553	-	698,711	9,398,563
2017	9,398,563	-	668,807	-	702,472	9,432,228
2018	9,432,228	-	679,124	-	704,682	9,457,786
2019	9,457,786	-	688,368	-	706,304	9,475,722
2020	9,475,722	-	705,894	-	707,015	9,476,843
2021	9,476,843	-	714,315	-	706,776	9,469,304
2022	9,469,304	-	707,011	-	706,474	9,468,767
2023	9,468,767	-	740,185	-	705,147	9,433,729
2024	9,433,729	-	758,712	-	701,714	9,376,731
2025	9,376,731	-	749,554	-	697,651	9,324,828
2026	9,324,828	-	762,318	-	693,134	9,255,644
2027	9,255,644	-	752,873	-	688,139	9,190,910
2028	9,190,910	-	754,087	-	683,075	9,119,898
2029	9,119,898	-	737,575	-	678,211	9,060,534
2030	9,060,534	-	725,718	-	674,070	9,008,886
2031	9,008,886	-	730,699	-	669,874	8,948,061
2032	8,948,061	-	716,899	-	665,695	8,896,857
2033	8,896,857	-	700,306	-	662,370	8,858,921
2034	8,858,921	-	672,171	-	660,520	8,847,270
2035	8,847,270	-	645,894	-	660,635	8,862,011
2036	8,862,011	-	627,953	-	662,473	8,896,531
2037	8,896,531	-	598,912	-	666,273	8,963,892
2038	8,963,892	-	569,912	-	672,618	9,066,598
2039	9,066,598	-	541,465	-	681,680	9,206,813
2040	9,206,813	-	511,700	-	693,700	9,388,813
2041	9,388,813	-	483,010	-	708,916	9,614,719
2042	9,614,719	-	456,792	-	727,440	9,885,367
2043	9,885,367	-	429,700	-	749,465	10,205,132
2044	10,205,132	-	403,076	-	775,279	10,577,335
2045	10,577,335	-	377,940	-	805,098	11,004,493
2046	11,004,493	-	353,025	-	839,168	11,490,636
2047	11,490,636	-	328,960	-	877,777	12,039,453
2048	12,039,453	-	305,724	-	921,211	12,654,940
2049	12,654,940	-	283,382	-	969,777	13,341,335
2050	13,341,335	-	261,961	-	1,023,802	14,103,176
2051	14,103,176	-	241,444	-	1,083,640	14,945,372
2052	14,945,372	-	221,856	-	1,149,669	15,873,185
2053	15,873,185	-	203,213	-	1,222,297	16,892,269
2054	16,892,269	-	185,521	-	1,301,962	18,008,710
2055	18,008,710	-	168,801	-	1,389,134	19,229,043
2056	19,229,043	-	153,069	-	1,484,319	20,560,293
2057	20,560,293	-	138,318	-	1,588,063	22,010,038
2058	22,010,038	-	124,559	-	1,700,951	23,586,430
2059	23,586,430	-	111,780	-	1,823,617	25,298,267
2060	25,298,267	-	99,971	-	1,956,742	27,155,038
2061	27,155,038	-	89,106	-	2,101,063	29,166,995
2062	29,166,995	-	79,174	-	2,257,374	31,345,195
2063	31,345,195	-	70,133	-	2,426,535	33,701,597
2064	33,701,597	-	61,935	-	2,609,474	36,249,136
2065	36,249,136	-	54,537	-	2,807,195	39,001,794
2066	39,001,794	-	47,905	-	3,020,783	41,974,672
2067	41,974,672	-	41,993	-	3,251,410	45,184,089

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 1
Plan Assumptions: 7.75% and RP-2000 Static 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
2068	45,184,089	-	36,758	-	3,500,343	48,647,674
2069	48,647,674	-	32,146	-	3,768,949	52,384,477
2070	52,384,477	-	28,118	-	4,058,707	56,415,066
2071	56,415,066	-	24,617	-	4,371,214	60,761,663
2072	60,761,663	-	21,594	-	4,708,192	65,448,261
2073	65,448,261	-	18,988	-	5,071,504	70,500,777
2074	70,500,777	-	16,743	-	5,463,161	75,947,195
2075	75,947,195	-	14,813	-	5,885,334	81,817,716
2076	81,817,716	-	13,154	-	6,340,363	88,144,925
2077	88,144,925	-	11,720	-	6,830,778	94,963,983
2078	94,963,983	-	10,470	-	7,359,303	102,312,816
2079	102,312,816	-	9,370	-	7,928,880	110,232,326
2080	110,232,326	-	8,393	-	8,542,680	118,766,613
2081	118,766,613	-	7,511	-	9,204,121	127,963,223
2082	127,963,223	-	6,702	-	9,916,890	137,873,411
2083	137,873,411	-	5,949	-	10,684,959	148,552,421
2084	148,552,421	-	5,245	-	11,512,609	160,059,785
2085	160,059,785	-	4,586	-	12,404,456	172,459,655
2086	172,459,655	-	3,969	-	13,365,469	185,821,155
2087	185,821,155	-	3,398	-	14,401,008	200,218,765
2088	200,218,765	-	2,875	-	15,516,843	215,732,733
2089	215,732,733	-	2,400	-	16,719,194	232,449,527
2090	232,449,527	-	1,975	-	18,014,762	250,462,314
2091	250,462,314	-	1,605	-	19,410,767	269,871,476
2092	269,871,476	-	1,288	-	20,914,989	290,785,177
2093	290,785,177	-	1,020	-	22,535,812	313,319,969
2094	313,319,969	-	797	-	24,282,267	337,601,439
2095	337,601,439	-	616	-	26,164,088	363,764,911
2096	363,764,911	-	473	-	28,191,762	391,956,200
2097	391,956,200	-	359	-	30,376,592	422,332,433
2098	422,332,433	-	269	-	32,730,753	455,062,917
2099	455,062,917	-	199	-	35,267,368	490,330,086
2100	490,330,086	-	145	-	38,000,576	528,330,517
2101	528,330,517	-	104	-	40,945,611	569,276,024
2102	569,276,024	-	73	-	44,118,889	613,394,840
2103	613,394,840	-	50	-	47,538,098	660,932,888
2104	660,932,888	-	33	-	51,222,298	712,155,153
2105	712,155,153	-	22	-	55,192,024	767,347,155
2106	767,347,155	-	14	-	59,469,404	826,816,545
2107	826,816,545	-	9	-	64,078,282	890,894,818
2108	890,894,818	-	6	-	69,044,348	959,939,160
2109	959,939,160	-	3	-	74,395,285	1,034,334,442
2110	1,034,334,442	-	2	-	80,160,919	1,114,495,359
2111	1,114,495,359	-	1	-	86,373,390	1,200,868,748
2112	1,200,868,748	-	1	-	93,067,328	1,293,936,075
2113	1,293,936,075	-	-	-	100,280,046	1,394,216,121

*All DROP Balances paid in 2015.

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: 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
2015	9,343,141	-	708,380	-	696,644	9,331,405
2016	9,331,405	-	631,548	-	698,711	9,398,568
2017	9,398,568	-	668,859	-	702,471	9,432,180
2018	9,432,180	-	679,313	-	704,671	9,457,538
2019	9,457,538	-	688,782	-	706,269	9,475,025
2020	9,475,025	-	706,665	-	706,931	9,475,291
2021	9,475,291	-	715,540	-	706,608	9,466,359
2022	9,466,359	-	708,822	-	706,176	9,463,713
2023	9,463,713	-	742,799	-	704,654	9,425,568
2024	9,425,568	-	762,339	-	700,941	9,364,170
2025	9,364,170	-	754,290	-	696,494	9,306,374
2026	9,306,374	-	768,396	-	691,469	9,229,447
2027	9,229,447	-	760,414	-	685,816	9,154,849
2028	9,154,849	-	763,336	-	679,922	9,071,435
2029	9,071,435	-	748,604	-	674,028	8,996,859
2030	8,996,859	-	738,654	-	668,634	8,926,839
2031	8,926,839	-	745,671	-	662,935	8,844,103
2032	8,844,103	-	733,866	-	656,981	8,767,218
2033	8,767,218	-	719,275	-	651,587	8,699,530
2034	8,699,530	-	693,037	-	647,358	8,653,851
2035	8,653,851	-	668,549	-	644,767	8,630,069
2036	8,630,069	-	652,333	-	643,552	8,621,288
2037	8,621,288	-	624,809	-	643,938	8,640,417
2038	8,640,417	-	597,201	-	646,491	8,689,707
2039	8,689,707	-	569,958	-	651,366	8,771,115
2040	8,771,115	-	541,285	-	658,787	8,888,617
2041	8,888,617	-	513,633	-	668,965	9,043,949
2042	9,043,949	-	488,278	-	681,985	9,237,656
2043	9,237,656	-	461,839	-	698,022	9,473,839
2044	9,473,839	-	435,767	-	717,337	9,755,409
2045	9,755,409	-	411,094	-	740,114	10,084,429
2046	10,084,429	-	386,513	-	766,566	10,464,482
2047	10,464,482	-	362,647	-	796,945	10,898,780
2048	10,898,780	-	339,522	-	831,499	11,390,757
2049	11,390,757	-	317,200	-	870,492	11,944,049
2050	11,944,049	-	295,685	-	914,206	12,562,570
2051	12,562,570	-	274,935	-	962,945	13,250,580
2052	13,250,580	-	254,982	-	1,017,039	14,012,637
2053	14,012,637	-	235,829	-	1,076,841	14,853,649
2054	14,853,649	-	217,448	-	1,142,732	15,778,933
2055	15,778,933	-	199,850	-	1,215,123	16,794,206
2056	16,794,206	-	183,053	-	1,294,458	17,905,611
2057	17,905,611	-	167,052	-	1,381,212	19,119,771
2058	19,119,771	-	151,931	-	1,475,895	20,443,735
2059	20,443,735	-	137,684	-	1,579,054	21,885,105
2060	21,885,105	-	124,327	-	1,691,278	23,452,056
2061	23,452,056	-	111,858	-	1,813,200	25,153,398
2062	25,153,398	-	100,336	-	1,945,500	26,998,562
2063	26,998,562	-	89,701	-	2,088,913	28,997,774
2064	28,997,774	-	79,889	-	2,244,232	31,162,117
2065	31,162,117	-	70,877	-	2,412,318	33,503,558
2066	33,503,558	-	62,683	-	2,594,097	36,034,972
2067	36,034,972	-	55,274	-	2,790,568	38,770,266
2068	38,770,266	-	48,605	-	3,002,812	41,724,473

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 2
Hypothetical 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	41,724,473	-	42,622	-	3,231,995	44,913,846
2070	44,913,846	-	37,337	-	3,479,376	48,355,885
2071	48,355,885	-	32,684	-	3,746,315	52,069,516
2072	52,069,516	-	28,641	-	4,034,278	56,075,153
2073	56,075,153	-	25,133	-	4,344,850	60,394,870
2074	60,394,870	-	22,083	-	4,679,747	65,052,534
2075	65,052,534	-	19,461	-	5,040,817	70,073,890
2076	70,073,890	-	17,236	-	5,430,059	75,486,713
2077	75,486,713	-	15,332	-	5,849,626	81,321,007
2078	81,321,007	-	13,700	-	6,301,847	87,609,154
2079	87,609,154	-	12,294	-	6,789,233	94,386,093
2080	94,386,093	-	11,082	-	7,314,493	101,689,504
2081	101,689,504	-	10,021	-	7,880,548	109,560,031
2082	109,560,031	-	9,054	-	8,490,552	118,041,529
2083	118,041,529	-	8,145	-	9,147,903	127,181,287
2084	127,181,287	-	7,298	-	9,856,267	137,030,256
2085	137,030,256	-	6,496	-	10,619,593	147,643,353
2086	147,643,353	-	5,730	-	11,442,138	159,079,761
2087	159,079,761	-	5,022	-	12,328,487	171,403,226
2088	171,403,226	-	4,367	-	13,283,581	184,682,440
2089	184,682,440	-	3,746	-	14,312,744	198,991,438
2090	198,991,438	-	3,161	-	15,421,714	214,409,991
2091	214,409,991	-	2,641	-	16,616,672	231,024,022
2092	231,024,022	-	2,186	-	17,904,277	248,926,113
2093	248,926,113	-	1,779	-	19,291,705	268,216,039
2094	268,216,039	-	1,418	-	20,786,688	289,001,309
2095	289,001,309	-	1,120	-	22,397,558	311,397,747
2096	311,397,747	-	879	-	24,133,291	335,530,159
2097	335,530,159	-	677	-	26,003,561	361,533,043
2098	361,533,043	-	507	-	28,018,791	389,551,327
2099	389,551,327	-	375	-	30,190,213	419,741,165
2100	419,741,165	-	273	-	32,529,930	452,270,822
2101	452,270,822	-	195	-	35,050,981	487,321,608
2102	487,321,608	-	137	-	37,767,419	525,088,890
2103	525,088,890	-	94	-	40,694,385	565,783,181
2104	565,783,181	-	63	-	43,848,194	609,631,312
2105	609,631,312	-	41	-	47,246,425	656,877,696
2106	656,877,696	-	27	-	50,908,020	707,785,689
2107	707,785,689	-	17	-	54,853,390	762,639,062
2108	762,639,062	-	10	-	59,104,527	821,743,579
2109	821,743,579	-	6	-	63,685,127	885,428,700
2110	885,428,700	-	4	-	68,620,724	954,049,420
2111	954,049,420	-	2	-	73,938,830	1,027,988,248
2112	1,027,988,248	-	1	-	79,669,089	1,107,657,336
2113	1,107,657,336	-	1	-	85,843,444	1,193,500,779
2114	1,193,500,779	-	1	-	92,496,310	1,285,997,088
2115	1,285,997,088	-	-	-	99,664,774	1,385,661,862

*All DROP Balances paid in 2015.

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 3
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
2015	9,343,141	-	708,380	-	516,865	9,151,626
2016	9,151,626	-	631,548	-	508,061	9,028,139
2017	9,028,139	-	668,859	-	499,888	8,859,168
2018	8,859,168	-	679,313	-	489,872	8,669,727
2019	8,669,727	-	688,782	-	478,707	8,459,652
2020	8,459,652	-	706,665	-	466,113	8,219,100
2021	8,219,100	-	715,540	-	452,026	7,955,586
2022	7,955,586	-	708,822	-	437,068	7,683,832
2023	7,683,832	-	742,799	-	420,465	7,361,498
2024	7,361,498	-	762,339	-	401,369	7,000,528
2025	7,000,528	-	754,290	-	380,845	6,627,083
2026	6,627,083	-	768,396	-	358,966	6,217,653
2027	6,217,653	-	760,414	-	335,653	5,792,892
2028	5,792,892	-	763,336	-	311,145	5,340,701
2029	5,340,701	-	748,604	-	285,568	4,877,665
2030	4,877,665	-	738,654	-	259,229	4,398,240
2031	4,398,240	-	745,671	-	231,461	3,884,030
2032	3,884,030	-	733,866	-	202,233	3,352,397
2033	3,352,397	-	719,275	-	172,084	2,805,206
2034	2,805,206	-	693,037	-	141,375	2,253,544
2035	2,253,544	-	668,549	-	110,358	1,695,353
2036	1,695,353	-	652,333	-	78,728	1,121,748
2037	1,121,748	-	624,809	-	46,537	543,476
2038	543,476	-	597,201	-	-	-

*All DROP Balances paid in 2015.

Number of Years Expected Benefit Payments Sustained: 23.91

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 4
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
2015	9,343,141	-	708,380	-	876,423	9,511,184
2016	9,511,184	-	631,548	-	896,552	9,776,188
2017	9,776,188	-	668,859	-	920,571	10,027,900
2018	10,027,900	-	679,313	-	944,604	10,293,191
2019	10,293,191	-	688,782	-	970,008	10,574,417
2020	10,574,417	-	706,665	-	996,556	10,864,308
2021	10,864,308	-	715,540	-	1,024,387	11,173,155
2022	11,173,155	-	708,822	-	1,054,828	11,519,161
2023	11,519,161	-	742,799	-	1,086,907	11,863,269
2024	11,863,269	-	762,339	-	1,119,505	12,220,435
2025	12,220,435	-	754,290	-	1,154,721	12,620,866
2026	12,620,866	-	768,396	-	1,193,075	13,045,545
2027	13,045,545	-	760,414	-	1,234,870	13,520,001
2028	13,520,001	-	763,336	-	1,280,987	14,037,652
2029	14,037,652	-	748,604	-	1,332,177	14,621,225
2030	14,621,225	-	738,654	-	1,389,560	15,272,131
2031	15,272,131	-	745,671	-	1,452,681	15,979,141
2032	15,979,141	-	733,866	-	1,522,190	16,767,465
2033	16,767,465	-	719,275	-	1,599,763	17,647,953
2034	17,647,953	-	693,037	-	1,686,890	18,641,806
2035	18,641,806	-	668,549	-	1,784,984	19,758,241
2036	19,758,241	-	652,333	-	1,894,627	21,000,535
2037	21,000,535	-	624,809	-	2,017,093	22,392,819
2038	22,392,819	-	597,201	-	2,154,186	23,949,804
2039	23,949,804	-	569,958	-	2,307,320	25,687,166
2040	25,687,166	-	541,285	-	2,478,111	27,623,992
2041	27,623,992	-	513,633	-	2,668,300	29,778,659
2042	29,778,659	-	488,278	-	2,879,616	32,169,997
2043	32,169,997	-	461,839	-	3,114,060	34,822,218
2044	34,822,218	-	435,767	-	3,373,923	37,760,374
2045	37,760,374	-	411,094	-	3,661,596	41,010,876
2046	41,010,876	-	386,513	-	3,979,718	44,604,081
2047	44,604,081	-	362,647	-	4,331,219	48,572,653
2048	48,572,653	-	339,522	-	4,719,282	52,952,413
2049	52,952,413	-	317,200	-	5,147,397	57,782,610
2050	57,782,610	-	295,685	-	5,619,390	63,106,315
2051	63,106,315	-	274,935	-	6,139,463	68,970,843
2052	68,970,843	-	254,982	-	6,712,227	75,428,088
2053	75,428,088	-	235,829	-	7,342,742	82,535,001
2054	82,535,001	-	217,448	-	8,036,562	90,354,115
2055	90,354,115	-	199,850	-	8,799,784	98,954,049
2056	98,954,049	-	183,053	-	9,639,096	108,410,092
2057	108,410,092	-	167,052	-	10,561,840	118,804,880
2058	118,804,880	-	151,931	-	11,576,069	130,229,018
2059	130,229,018	-	137,684	-	12,690,617	142,781,951
2060	142,781,951	-	124,327	-	13,915,179	156,572,803
2061	156,572,803	-	111,858	-	15,260,395	171,721,340
2062	171,721,340	-	100,336	-	16,737,939	188,358,943
2063	188,358,943	-	89,701	-	18,360,624	206,629,866
2064	206,629,866	-	79,889	-	20,142,517	226,692,494
2065	226,692,494	-	70,877	-	22,099,063	248,720,680
2066	248,720,680	-	62,683	-	24,247,211	272,905,208
2067	272,905,208	-	55,274	-	26,605,563	299,455,497
2068	299,455,497	-	48,605	-	29,194,541	328,601,433

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 4
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	328,601,433	-	42,622	-	32,036,562	360,595,373
2070	360,595,373	-	37,337	-	35,156,229	395,714,265
2071	395,714,265	-	32,684	-	38,580,547	434,262,128
2072	434,262,128	-	28,641	-	42,339,161	476,572,648
2073	476,572,648	-	25,133	-	46,464,608	523,012,123
2074	523,012,123	-	22,083	-	50,992,605	573,982,645
2075	573,982,645	-	19,461	-	55,962,359	629,925,543
2076	629,925,543	-	17,236	-	61,416,900	691,325,207
2077	691,325,207	-	15,332	-	67,403,460	758,713,335
2078	758,713,335	-	13,700	-	73,973,882	832,673,517
2079	832,673,517	-	12,294	-	81,185,069	913,846,292
2080	913,846,292	-	11,082	-	89,099,473	1,002,934,683
2081	1,002,934,683	-	10,021	-	97,785,643	1,100,710,305
2082	1,100,710,305	-	9,054	-	107,318,813	1,208,020,064
2083	1,208,020,064	-	8,145	-	117,781,559	1,325,793,478
2084	1,325,793,478	-	7,298	-	129,264,508	1,455,050,688
2085	1,455,050,688	-	6,496	-	141,867,125	1,596,911,317
2086	1,596,911,317	-	5,730	-	155,698,574	1,752,604,161
2087	1,752,604,161	-	5,022	-	170,878,661	1,923,477,800
2088	1,923,477,800	-	4,367	-	187,538,873	2,111,012,306
2089	2,111,012,306	-	3,746	-	205,823,517	2,316,832,077
2090	2,316,832,077	-	3,161	-	225,890,973	2,542,719,889
2091	2,542,719,889	-	2,641	-	247,915,060	2,790,632,308
2092	2,790,632,308	-	2,186	-	272,086,543	3,062,716,665
2093	3,062,716,665	-	1,779	-	298,614,788	3,361,329,674
2094	3,361,329,674	-	1,418	-	327,729,574	3,689,057,830
2095	3,689,057,830	-	1,120	-	359,683,084	4,048,739,794
2096	4,048,739,794	-	879	-	394,752,087	4,443,491,002
2097	4,443,491,002	-	677	-	433,240,340	4,876,730,665
2098	4,876,730,665	-	507	-	475,481,215	5,352,211,373
2099	5,352,211,373	-	375	-	521,840,591	5,874,051,589
2100	5,874,051,589	-	273	-	572,720,017	6,446,771,333
2101	6,446,771,333	-	195	-	628,560,195	7,075,331,333
2102	7,075,331,333	-	137	-	689,844,798	7,765,175,994
2103	7,765,175,994	-	94	-	757,104,655	8,522,280,555
2104	8,522,280,555	-	63	-	830,922,351	9,353,202,843
2105	9,353,202,843	-	41	-	911,937,275	10,265,140,077
2106	10,265,140,077	-	27	-	1,000,851,156	11,265,991,206
2107	11,265,991,206	-	17	-	1,098,434,142	12,364,425,331
2108	12,364,425,331	-	10	-	1,205,531,469	13,569,956,790
2109	13,569,956,790	-	6	-	1,323,070,787	14,893,027,571
2110	14,893,027,571	-	4	-	1,452,070,188	16,345,097,755
2111	16,345,097,755	-	2	-	1,593,647,031	17,938,744,784
2112	17,938,744,784	-	1	-	1,749,027,616	19,687,772,399
2113	19,687,772,399	-	1	-	1,919,557,809	21,607,330,207
2114	21,607,330,207	-	1	-	2,106,714,695	23,714,044,901
2115	23,714,044,901	-	-	-	2,312,119,378	26,026,164,279

*All DROP Balances paid in 2015.

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, 2017

Valuation Date: 10/1/2015

	ACTUAL		HYPOTHETICAL	
	7.75% RP-2000 Static	7.75% RP-2000 Generational	5.75% RP-2000 Generational	9.75% RP-2000 Generational
Total Required Contribution (Fixed \$)	\$326,979	\$344,611	\$593,927	\$154,611
Total Required Contribution (% of Payroll)	9.6%	10.2%	17.6%	4.6%
Expected Member Contribution	169,266	169,266	169,266	169,266
Expected Sponsor Contribution (Fixed \$)	\$157,713	\$175,345	\$424,661	\$0
Expected Sponsor Contribution (% of Payroll)	4.6%	5.2%	12.6%	0.0%

ASSETS

Actuarial Value ¹	9,760,224	9,760,224	9,760,224	9,760,224
Market Value ¹	9,343,141	9,343,141	9,343,141	9,343,141

LIABILITIES

Present Value of Benefits				
Active Members				
Retirement Benefits	4,174,867	4,277,335	5,935,493	3,201,273
Disability Benefits	242,679	248,791	335,736	191,320
Death Benefits	20,545	19,136	21,339	17,354
Vested Benefits	1,479,588	1,516,493	2,290,675	1,048,801
Refund of Contributions	242,161	242,183	253,033	232,381
Service Retirees	4,368,041	4,419,950	5,168,002	3,853,370
DROP Retirees ¹	660,036	666,971	792,375	576,544
Beneficiaries	124,838	126,326	157,912	104,758
Disability Retirees	0	0	0	0
Terminated Vested	236,519	239,168	293,361	200,471
Total:	11,549,274	11,756,353	15,247,926	9,426,272
Present Value of Future Salaries	17,879,962	17,886,548	19,420,025	16,607,683
Present Value of Future Member Contributions	893,998	894,327	971,001	830,384
Total Normal Cost	219,796	226,534	352,223	147,424
Present Value of Future Normal Costs (Entry Age Normal)	1,424,602	1,460,628	2,284,268	986,958
Total Actuarial Accrued Liability ¹	10,388,397	10,559,449	13,227,383	8,703,039
Unfunded Actuarial Accrued Liability (UAAL)	628,173	799,225	3,467,159	(1,057,185)

ACTUAL AND HYPOTHETICAL CONTRIBUTIONS APPLICABLE TO THE FISCAL YEAR
ENDING SEPTEMBER 30, 2017

Valuation Date: 10/1/2015

	ACTUAL	HYPOTHETICAL		
	7.75% RP-2000 Static	7.75% RP-2000 Generational	5.75% RP-2000 Generational	9.75% RP-2000 Generational
<u>PENSION COST</u>				
Normal Cost (with interest)	228,313	235,312	362,349	154,611
Administrative Expenses (with interest)	26,374	26,374	26,120	29,433
Payment Required To Amortize UAAL (with interest)	72,292	82,925	205,458	(48,996)
Total Required Contribution	\$326,979	\$344,611	\$593,927	\$154,611 ²

¹ The asset values and liabilities for DROP Members include accumulated DROP Balances as of 9/30/2015.

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