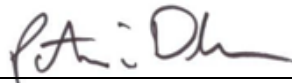


CITY OF HAINES CITY  
MUNICIPAL POLICE OFFICERS' RETIREMENT TRUST FUND

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: 6/24/2015

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, 2014 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 AND RELATED RATIOS

	ACTUAL	HYPOTHETICAL		
	7.50% RP-2000 Static 9/30/2014	7.50% RP-2000 Generational 9/30/2014	5.50% RP-2000 Generational 9/30/2014	9.50% RP-2000 Generational 9/30/2014
<u>Total Pension Liability</u>				
Service Cost	355,679	370,844	574,463	253,896
Interest	704,103	730,726	709,111	726,233
Change in Excess State Money	24,392	24,392	24,392	24,392
Change in Funding Standard Account	-	-	-	-
Share Plan Allocation	-	-	-	-
Changes of Benefit Terms	-	-	-	-
Differences Between Expected and Actual Experience	-	-	-	-
Changes of Assumptions	-	-	-	-
Contributions - Buy Back	-	-	-	-
Benefit Payments, Including Refunds of Employee Contributions	(466,873)	(466,873)	(466,873)	(466,873)
Net Change in Total Pension Liability	617,301	659,089	841,093	537,648
Total Pension Liability - Beginning	9,314,931	9,654,736	12,601,025	7,673,227
Total Pension Liability - Ending (a)	<u>9,932,232</u>	<u>\$ 10,313,825</u>	<u>\$ 13,442,118</u>	<u>\$ 8,210,875</u>
<u>Plan Fiduciary Net Position</u>				
Contributions - Employer	424,080	424,080	424,080	424,080
Contributions - State	117,527	117,527	117,527	117,527
Contributions - Employee	195,586	195,586	195,586	195,586
Contributions - Buy Back	-	-	-	-
Net Investment Income	629,355	629,355	629,355	629,355
Benefit Payments, Including Refunds of Employee Contributions	(466,873)	(466,873)	(466,873)	(466,873)
Administrative Expense	(35,919)	(35,919)	(35,919)	(35,919)
Other	-	-	-	-
Net Change in Plan Fiduciary Net Position	863,757	863,757	863,757	863,757
Plan Fiduciary Net Position - Beginning	7,091,751	7,091,751	7,091,751	7,091,751
Plan Fiduciary Net Position - Ending (b)	<u>\$ 7,955,508</u>	<u>\$ 7,955,508</u>	<u>\$ 7,955,508</u>	<u>\$ 7,955,508</u>
Net Pension Liability - Ending (a) - (b)	<u>\$ 1,976,724</u>	<u>\$ 2,358,317</u>	<u>\$ 5,486,610</u>	<u>\$ 255,367</u>

## PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 1  
Plan Assumptions: 7.50% and RP-2000 Static Mortality

Year	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2014	7,955,508	-	519,499	-	577,182	8,013,191
2015	8,013,191	-	477,782	-	583,073	8,118,482
2016	8,118,482	-	551,433	-	588,207	8,155,256
2017	8,155,256	-	550,374	-	591,005	8,195,887
2018	8,195,887	-	598,725	-	592,239	8,189,401
2019	8,189,401	-	678,572	-	588,759	8,099,588
2020	8,099,588	-	687,077	-	581,704	7,994,215
2021	7,994,215	-	683,557	-	573,933	7,884,591
2022	7,884,591	-	715,164	-	564,526	7,733,953
2023	7,733,953	-	709,029	-	553,458	7,578,382
2024	7,578,382	-	720,276	-	541,368	7,399,474
2025	7,399,474	-	733,151	-	527,467	7,193,790
2026	7,193,790	-	728,817	-	512,204	6,977,177
2027	6,977,177	-	718,688	-	496,337	6,754,826
2028	6,754,826	-	709,965	-	479,988	6,524,849
2029	6,524,849	-	701,356	-	463,063	6,286,556
2030	6,286,556	-	725,923	-	444,270	6,004,903
2031	6,004,903	-	733,372	-	422,866	5,694,397
2032	5,694,397	-	717,994	-	400,155	5,376,558
2033	5,376,558	-	710,451	-	376,600	5,042,707
2034	5,042,707	-	699,121	-	351,986	4,695,572
2035	4,695,572	-	698,355	-	325,980	4,323,197
2036	4,323,197	-	685,107	-	298,548	3,936,638
2037	3,936,638	-	669,219	-	270,152	3,537,571
2038	3,537,571	-	647,923	-	241,021	3,130,669
2039	3,130,669	-	630,107	-	211,171	2,711,733
2040	2,711,733	-	612,802	-	180,400	2,279,331
2041	2,279,331	-	588,564	-	148,879	1,839,646
2042	1,839,646	-	563,125	-	116,856	1,393,377
2043	1,393,377	-	536,806	-	84,373	940,944
2044	940,944	-	509,670	-	51,458	482,732
2045	482,732	-	481,388	-	18,153	19,497
2046	19,497	-	453,695	-	-	-

Number of Years Expected Benefit Payments Sustained: 32.04

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.**

## PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 2  
Hypothetical Assumptions: 7.50% and RP-2000 Generational Mortality

Year	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2014	7,955,508	-	519,706	-	577,174	8,012,976
2015	8,012,976	-	478,629	-	583,025	8,117,372
2016	8,117,372	-	553,135	-	588,060	8,152,297
2017	8,152,297	-	552,800	-	590,692	8,190,189
2018	8,190,189	-	602,034	-	591,688	8,179,843
2019	8,179,843	-	683,000	-	587,876	8,084,719
2020	8,084,719	-	692,640	-	580,380	7,972,459
2021	7,972,459	-	690,105	-	572,055	7,854,409
2022	7,854,409	-	723,030	-	561,967	7,693,346
2023	7,693,346	-	718,045	-	550,074	7,525,375
2024	7,525,375	-	730,554	-	537,007	7,331,828
2025	7,331,828	-	745,405	-	521,934	7,108,357
2026	7,108,357	-	743,883	-	505,231	6,869,705
2027	6,869,705	-	735,735	-	487,638	6,621,608
2028	6,621,608	-	730,045	-	469,244	6,360,807
2029	6,360,807	-	724,821	-	449,880	6,085,866
2030	6,085,866	-	752,329	-	428,228	5,761,765
2031	5,761,765	-	762,721	-	403,530	5,402,574
2032	5,402,574	-	750,784	-	377,039	5,028,829
2033	5,028,829	-	746,199	-	349,180	4,631,810
2034	4,631,810	-	738,466	-	319,693	4,213,037
2035	4,213,037	-	741,644	-	288,166	3,759,559
2036	3,759,559	-	732,188	-	254,510	3,281,881
2037	3,281,881	-	720,044	-	219,139	2,780,976
2038	2,780,976	-	702,773	-	182,219	2,260,422
2039	2,260,422	-	688,972	-	143,695	1,715,145
2040	1,715,145	-	676,475	-	103,268	1,141,938
2041	1,141,938	-	656,536	-	61,025	546,427
2042	546,427	-	634,605	-	-	-

Number of Years Expected Benefit Payments Sustained: 28.86

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.**

## PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 3  
Hypothetical Assumptions: 5.50% and RP-2000 Generational Mortality

Year	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2014	7,955,508	-	519,706	-	423,261	7,859,063
2015	7,859,063	-	478,629	-	419,086	7,799,520
2016	7,799,520	-	553,135	-	413,762	7,660,147
2017	7,660,147	-	552,800	-	406,106	7,513,453
2018	7,513,453	-	602,034	-	396,684	7,308,103
2019	7,308,103	-	683,000	-	383,163	7,008,266
2020	7,008,266	-	692,640	-	366,407	6,682,033
2021	6,682,033	-	690,105	-	348,534	6,340,462
2022	6,340,462	-	723,030	-	328,842	5,946,274
2023	5,946,274	-	718,045	-	307,299	5,535,528
2024	5,535,528	-	730,554	-	284,364	5,089,338
2025	5,089,338	-	745,405	-	259,415	4,603,348
2026	4,603,348	-	743,883	-	232,727	4,092,192
2027	4,092,192	-	735,735	-	204,838	3,561,295
2028	3,561,295	-	730,045	-	175,795	3,007,045
2029	3,007,045	-	724,821	-	145,455	2,427,679
2030	2,427,679	-	752,329	-	112,833	1,788,183
2031	1,788,183	-	762,721	-	77,375	1,102,837
2032	1,102,837	-	750,784	-	40,009	392,062
2033	392,062	-	746,199	-	-	-

Number of Years Expected Benefit Payments Sustained: 19.53

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.**

## PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 4  
Hypothetical Assumptions: 9.50% and RP-2000 Generational Mortality

Year	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2014	7,955,508	-	519,706	-	731,087	8,166,889
2015	8,166,889	-	478,629	-	753,120	8,441,380
2016	8,441,380	-	553,135	-	775,657	8,663,902
2017	8,663,902	-	552,800	-	796,813	8,907,915
2018	8,907,915	-	602,034	-	817,655	9,123,536
2019	9,123,536	-	683,000	-	834,293	9,274,829
2020	9,274,829	-	692,640	-	848,208	9,430,397
2021	9,430,397	-	690,105	-	863,108	9,603,400
2022	9,603,400	-	723,030	-	877,979	9,758,349
2023	9,758,349	-	718,045	-	892,936	9,933,240
2024	9,933,240	-	730,554	-	908,956	10,111,642
2025	10,111,642	-	745,405	-	925,199	10,291,436
2026	10,291,436	-	743,883	-	942,352	10,489,905
2027	10,489,905	-	735,735	-	961,594	10,715,764
2028	10,715,764	-	730,045	-	983,320	10,969,039
2029	10,969,039	-	724,821	-	1,007,630	11,251,848
2030	11,251,848	-	752,329	-	1,033,190	11,532,709
2031	11,532,709	-	762,721	-	1,059,378	11,829,366
2032	11,829,366	-	750,784	-	1,088,128	12,166,710
2033	12,166,710	-	746,199	-	1,120,393	12,540,904
2034	12,540,904	-	738,466	-	1,156,309	12,958,747
2035	12,958,747	-	741,644	-	1,195,853	13,412,956
2036	13,412,956	-	732,188	-	1,239,452	13,920,220
2037	13,920,220	-	720,044	-	1,288,219	14,488,395
2038	14,488,395	-	702,773	-	1,343,016	15,128,638
2039	15,128,638	-	688,972	-	1,404,494	15,844,160
2040	15,844,160	-	676,475	-	1,473,063	16,640,748
2041	16,640,748	-	656,536	-	1,549,686	17,533,898
2042	17,533,898	-	634,605	-	1,635,577	18,534,870
2043	18,534,870	-	611,615	-	1,731,761	19,655,016
2044	19,655,016	-	587,343	-	1,839,328	20,907,001
2045	20,907,001	-	561,882	-	1,959,476	22,304,595
2046	22,304,595	-	536,270	-	2,093,464	23,861,789
2047	23,861,789	-	510,284	-	2,242,631	25,594,136
2048	25,594,136	-	484,254	-	2,408,441	27,518,323
2049	27,518,323	-	458,005	-	2,592,485	29,652,803
2050	29,652,803	-	431,561	-	2,796,517	32,017,759
2051	32,017,759	-	405,319	-	3,022,434	34,634,874
2052	34,634,874	-	379,275	-	3,272,297	37,527,896
2053	37,527,896	-	353,506	-	3,548,359	40,722,749
2054	40,722,749	-	327,980	-	3,853,082	44,247,851
2055	44,247,851	-	302,951	-	4,189,156	48,134,056
2056	48,134,056	-	278,720	-	4,559,496	52,414,832
2057	52,414,832	-	255,395	-	4,967,278	57,126,715
2058	57,126,715	-	233,149	-	5,415,963	62,309,529
2059	62,309,529	-	212,057	-	5,909,333	68,006,805
2060	68,006,805	-	192,293	-	6,451,513	74,266,025
2061	74,266,025	-	173,867	-	7,047,014	81,139,172
2062	81,139,172	-	156,673	-	7,700,779	88,683,278
2063	88,683,278	-	140,778	-	8,418,224	96,960,724
2064	96,960,724	-	126,198	-	9,205,274	106,039,800
2065	106,039,800	-	112,774	-	10,068,424	115,995,450
2066	115,995,450	-	100,454	-	11,014,796	126,909,792
2067	126,909,792	-	89,167	-	12,052,195	138,872,820

## PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 4  
Hypothetical Assumptions: 9.50% and RP-2000 Generational Mortality

Year	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2068	138,872,820	-	78,821	-	13,189,174	151,983,173
2069	151,983,173	-	69,384	-	14,435,106	166,348,895
2070	166,348,895	-	60,705	-	15,800,262	182,088,452
2071	182,088,452	-	52,711	-	17,295,899	199,331,640
2072	199,331,640	-	45,470	-	18,934,346	218,220,516
2073	218,220,516	-	38,912	-	20,729,101	238,910,705
2074	238,910,705	-	32,979	-	22,694,950	261,572,676
2075	261,572,676	-	27,692	-	24,848,089	286,393,073
2076	286,393,073	-	22,988	-	27,206,250	313,576,335
2077	313,576,335	-	18,861	-	29,788,856	343,346,330
2078	343,346,330	-	15,280	-	32,617,176	375,948,226
2079	375,948,226	-	12,197	-	35,714,502	411,650,531
2080	411,650,531	-	9,585	-	39,106,345	450,747,291
2081	450,747,291	-	7,412	-	42,820,641	493,560,520
2082	493,560,520	-	5,644	-	46,887,981	540,442,857
2083	540,442,857	-	4,219	-	51,341,871	591,780,509
2084	591,780,509	-	3,089	-	56,219,002	647,996,422
2085	647,996,422	-	2,221	-	61,559,555	709,553,756
2086	709,553,756	-	1,563	-	67,407,533	776,959,726
2087	776,959,726	-	1,074	-	73,811,123	850,769,775
2088	850,769,775	-	724	-	80,823,094	931,592,145
2089	931,592,145	-	476	-	88,501,231	1,020,092,900
2090	1,020,092,900	-	304	-	96,908,811	1,117,001,407
2091	1,117,001,407	-	191	-	106,115,125	1,223,116,341
2092	1,223,116,341	-	118	-	116,196,047	1,339,312,270
2093	1,339,312,270	-	72	-	127,234,662	1,466,546,860
2094	1,466,546,860	-	43	-	139,321,950	1,605,868,767
2095	1,605,868,767	-	26	-	152,557,532	1,758,426,273
2096	1,758,426,273	-	16	-	167,050,495	1,925,476,752
2097	1,925,476,752	-	9	-	182,920,291	2,108,397,034
2098	2,108,397,034	-	6	-	200,297,718	2,308,694,746
2099	2,308,694,746	-	3	-	219,326,001	2,528,020,744
2100	2,528,020,744	-	2	-	240,161,971	2,768,182,713
2101	2,768,182,713	-	1	-	262,977,358	3,031,160,070
2102	3,031,160,070	-	1	-	287,960,207	3,319,120,276
2103	3,319,120,276	-	-	-	315,316,426	3,634,436,702

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.**



ACTUAL AND HYPOTHETICAL CONTRIBUTIONS APPLICABLE TO THE FISCAL YEAR  
ENDING SEPTEMBER 30, 2016

Valuation Date: 10/1/2014

	ACTUAL		HYPOTHETICAL	
	7.50% RP-2000 Static	7.50% RP-2000 Generational	5.50% RP-2000 Generational	9.50% RP-2000 Generational
Total Required Contribution	\$669,094	\$706,031	\$1,009,527	\$477,521
Expected Member Contribution	198,894	198,894	198,894	198,894
Expected State Money	93,135	93,135	93,135	93,135
Expected Sponsor Contribution (Fixed \$)	\$377,065	\$414,002	\$717,498	\$185,492
Expected Sponsor Contribution (% of Payroll)	17.1%	18.8%	32.6%	8.4%

**ASSETS**

Actuarial Value	7,427,269	7,427,269	7,427,269	7,427,269
Market Value	7,955,508	7,955,508	7,955,508	7,955,508

**LIABILITIES**

Present Value of Benefits				
Active Members				
Retirement Benefits	5,182,593	5,423,092	7,893,644	3,911,229
Disability Benefits	177,684	186,178	260,130	139,318
Death Benefits	41,639	29,540	38,979	23,042
Vested Benefits	1,244,239	1,312,428	2,249,454	806,652
Refund of Contributions	311,152	311,277	326,970	297,101
Service Retirees	4,013,188	4,147,682	4,986,296	3,537,186
Beneficiaries	39,485	41,007	45,389	37,366
Terminated Vested	575,251	593,332	770,575	473,778
Disability Retirees	57,683	60,722	66,011	56,217
Excess State Monies Reserve	73,524	73,524	73,524	73,524
Total:	11,716,438	12,178,782	16,710,972	9,355,413
Present Value of Future Salaries	14,525,834	14,541,724	16,062,194	13,301,410
Present Value of Future Member Contributions	1,307,325	1,308,755	1,445,597	1,197,127
Total Normal Cost (Entry Age Normal)	332,883	347,268	536,683	238,295
Present Value of Future Normal Costs (Entry Age Normal)	1,942,293	2,038,309	3,548,796	1,253,750
Total Actuarial Accrued Liability	9,774,145	10,140,473	13,162,176	8,101,663
Unfunded Actuarial Accrued Liability (Entry Age Normal)	2,346,876	2,713,204	5,734,907	674,394

ACTUAL AND HYPOTHETICAL CONTRIBUTIONS APPLICABLE TO THE FISCAL YEAR  
ENDING SEPTEMBER 30, 2016

Valuation Date: 10/1/2014

	ACTUAL	HYPOTHETICAL		
	7.50% RP-2000 Static	7.50% RP-2000 Generational	5.50% RP-2000 Generational	9.50% RP-2000 Generational
<b><u>PENSION COST</u></b>				
Normal Cost (with interest)	345,366	360,291	551,442	249,614
Administrative Expenses (with interest)	37,266	37,266	36,907	37,625
Payment Required To Amortize UAAL (with interest)	286,462	308,474	421,178	190,282
Total Required Contribution	\$669,094	\$706,031	\$1,009,527	\$477,521