

March 5, 2018

VIA EMAIL

Ms. Ferrell Jenne, Plan Administrator  
Town of Indian River Shores  
Public Safety Officers and Firefighters' Defined Benefit Plan  
Foster & Foster, Inc.  
2503 Del Prado Blvd. S., Suite 502  
Cape Coral, FL 33904

Re: Town of Indian River Shores Public Safety Officers and Firefighters' Defined Benefit Plan  
Section 112.664, Florida Statutes Compliance

Dear Ferrell:

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: 

Douglas H. Lozen, EA, MAAA  
Enrolled Actuary #17-7778

DHL/lke  
Enclosures

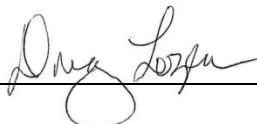
cc via email: Bonni Jensen, Board Attorney

TOWN OF INDIAN RIVER SHORES  
PUBLIC SAFETY OFFICERS AND FIREFIGHTERS'  
DEFINED BENEFIT 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: 3/5/2018

Douglas H. Lozen, EA, MAAA  
Enrolled Actuary #17-7778



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, 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	
	6.25% RP-2000 Generational	4.25% RP-2000 Generational	8.25% RP-2000 Generational
<u>Total Pension Liability</u>			
Service Cost	294,947	451,367	199,922
Interest	949,453	812,019	1,035,725
Share Plan Allocation	131,990	131,990	131,990
Changes of Benefit Terms	-	-	-
Differences Between Expected and Actual Experience	69,622	105,204	32,090
Changes of Assumptions	-	-	-
Benefit Payments, Including Refunds of Employee Contributions	(619,281)	(619,281)	(619,281)
Net Change in Total Pension Liability	826,731	881,299	780,446
Total Pension Liability - Beginning	15,205,937	18,964,596	12,663,955
Total Pension Liability - Ending (a)	<u>\$ 16,032,668</u>	<u>\$ 19,845,895</u>	<u>\$ 13,444,401</u>
<u>Plan Fiduciary Net Position</u>			
Contributions - Employer	1,086,822	1,086,822	1,086,822
Contributions - State	131,990	131,990	131,990
Contributions - Employee	131,883	131,883	131,883
Net Investment Income	1,345,839	1,345,839	1,345,839
Benefit Payments, Including Refunds of Employee Contributions	(619,281)	(619,281)	(619,281)
Administrative Expenses	(63,162)	(63,162)	(63,162)
Net Change in Plan Fiduciary Net Position	2,014,091	2,014,091	2,014,091
Plan Fiduciary Net Position - Beginning	13,797,336	13,797,336	13,797,336
Plan Fiduciary Net Position - Ending (b)	<u>\$ 15,811,427</u>	<u>\$ 15,811,427</u>	<u>\$ 15,811,427</u>
Net Pension Liability - Ending (a) - (b)	<u>\$ 221,241</u>	<u>\$ 4,034,468</u>	<u>\$ (2,367,026)</u>

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

Table 1  
Plan Assumptions: 6.25% 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	15,811,427	-	2,895,134	-	897,741	13,814,034
2018	13,814,034	-	806,624	-	838,170	13,845,580
2019	13,845,580	-	869,710	-	838,170	13,814,040
2020	13,814,040	-	917,163	-	834,716	13,731,593
2021	13,731,593	-	948,457	-	828,585	13,611,721
2022	13,611,721	-	957,211	-	820,820	13,475,330
2023	13,475,330	-	962,279	-	812,137	13,325,188
2024	13,325,188	-	992,993	-	801,793	13,133,988
2025	13,133,988	-	1,000,160	-	789,619	12,923,447
2026	12,923,447	-	1,003,508	-	776,356	12,696,295
2027	12,696,295	-	990,239	-	762,573	12,468,629
2028	12,468,629	-	983,512	-	748,555	12,233,672
2029	12,233,672	-	974,160	-	734,162	11,993,674
2030	11,993,674	-	967,163	-	719,381	11,745,892
2031	11,745,892	-	962,134	-	704,052	11,487,810
2032	11,487,810	-	953,925	-	688,178	11,222,063
2033	11,222,063	-	945,766	-	671,824	10,948,121
2034	10,948,121	-	932,339	-	655,122	10,670,904
2035	10,670,904	-	919,885	-	638,185	10,389,204
2036	10,389,204	-	908,050	-	620,949	10,102,103
2037	10,102,103	-	895,523	-	603,396	9,809,976
2038	9,809,976	-	881,009	-	585,592	9,514,559
2039	9,514,559	-	864,653	-	567,640	9,217,546
2040	9,217,546	-	846,367	-	549,648	8,920,827
2041	8,920,827	-	826,463	-	531,725	8,626,089
2042	8,626,089	-	805,491	-	513,959	8,334,557
2043	8,334,557	-	783,062	-	496,439	8,047,934
2044	8,047,934	-	759,490	-	479,262	7,767,706
2045	7,767,706	-	734,625	-	462,525	7,495,606
2046	7,495,606	-	708,377	-	446,339	7,233,568
2047	7,233,568	-	680,750	-	430,825	6,983,643
2048	6,983,643	-	651,836	-	416,108	6,747,915
2049	6,747,915	-	621,582	-	402,320	6,528,653
2050	6,528,653	-	590,061	-	389,601	6,328,193
2051	6,328,193	-	557,362	-	378,095	6,148,926
2052	6,148,926	-	523,633	-	367,944	5,993,237
2053	5,993,237	-	489,199	-	359,290	5,863,328
2054	5,863,328	-	454,435	-	352,257	5,761,150
2055	5,761,150	-	419,569	-	346,960	5,688,541
2056	5,688,541	-	384,762	-	343,510	5,647,289
2057	5,647,289	-	350,250	-	342,010	5,639,049
2058	5,639,049	-	316,352	-	342,555	5,665,252
2059	5,665,252	-	283,532	-	345,218	5,726,938
2060	5,726,938	-	252,148	-	350,054	5,824,844
2061	5,824,844	-	222,431	-	357,102	5,959,515
2062	5,959,515	-	194,487	-	366,392	6,131,420
2063	6,131,420	-	168,342	-	377,953	6,341,031
2064	6,341,031	-	144,297	-	391,805	6,588,539
2065	6,588,539	-	122,654	-	407,951	6,873,836
2066	6,873,836	-	103,606	-	426,377	7,196,607

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

Table 1  
Plan Assumptions: 6.25% 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
2067	7,196,607	-	87,042	-	447,068	7,556,633
2068	7,556,633	-	72,714	-	470,017	7,953,936
2069	7,953,936	-	60,468	-	495,231	8,388,699
2070	8,388,699	-	50,060	-	522,729	8,861,368
2071	8,861,368	-	41,288	-	552,545	9,372,625
2072	9,372,625	-	34,011	-	584,726	9,923,340
2073	9,923,340	-	28,050	-	619,332	10,514,622
2074	10,514,622	-	23,175	-	656,440	11,147,887
2075	11,147,887	-	19,185	-	696,143	11,824,845
2076	11,824,845	-	15,864	-	738,557	12,547,538
2077	12,547,538	-	13,085	-	783,812	13,318,265
2078	13,318,265	-	10,770	-	832,055	14,139,550
2079	14,139,550	-	8,837	-	883,446	15,014,159
2080	15,014,159	-	7,199	-	938,160	15,945,120
2081	15,945,120	-	5,817	-	996,388	16,935,691
2082	16,935,691	-	4,640	-	1,058,336	17,989,387
2083	17,989,387	-	3,645	-	1,124,223	19,109,965
2084	19,109,965	-	2,810	-	1,194,285	20,301,440
2085	20,301,440	-	2,125	-	1,268,774	21,568,089
2086	21,568,089	-	1,577	-	1,347,956	22,914,468
2087	22,914,468	-	1,148	-	1,432,118	24,345,438
2088	24,345,438	-	819	-	1,521,564	25,866,183
2089	25,866,183	-	572	-	1,616,619	27,482,230
2090	27,482,230	-	390	-	1,717,627	29,199,467
2091	29,199,467	-	260	-	1,824,959	31,024,166
2092	31,024,166	-	170	-	1,939,005	32,963,001
2093	32,963,001	-	109	-	2,060,184	35,023,076
2094	35,023,076	-	69	-	2,188,940	37,211,947
2095	37,211,947	-	44	-	2,325,745	39,537,648
2096	39,537,648	-	28	-	2,471,102	42,008,722
2097	42,008,722	-	17	-	2,625,545	44,634,250
2098	44,634,250	-	11	-	2,789,640	47,423,879
2099	47,423,879	-	7	-	2,963,992	50,387,864
2100	50,387,864	-	4	-	3,149,241	53,537,101
2101	53,537,101	-	3	-	3,346,069	56,883,167
2102	56,883,167	-	2	-	3,555,198	60,438,363
2103	60,438,363	-	1	-	3,777,398	64,215,760
2104	64,215,760	-	1	-	4,013,485	68,229,244
2105	68,229,244	-	-	-	4,264,328	72,493,572

\*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 6.25% 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: 4.25% 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	15,811,427	-	2,895,134	-	610,464	13,526,757
2018	13,526,757	-	806,624	-	557,746	13,277,879
2019	13,277,879	-	869,710	-	545,829	12,953,998
2020	12,953,998	-	917,163	-	531,055	12,567,890
2021	12,567,890	-	948,457	-	513,981	12,133,414
2022	12,133,414	-	957,211	-	495,329	11,671,532
2023	11,671,532	-	962,279	-	475,592	11,184,845
2024	11,184,845	-	992,993	-	454,255	10,646,107
2025	10,646,107	-	1,000,160	-	431,206	10,077,153
2026	10,077,153	-	1,003,508	-	406,954	9,480,599
2027	9,480,599	-	990,239	-	381,883	8,872,243
2028	8,872,243	-	983,512	-	356,171	8,244,902
2029	8,244,902	-	974,160	-	329,707	7,600,449
2030	7,600,449	-	967,163	-	302,467	6,935,753
2031	6,935,753	-	962,134	-	274,324	6,247,943
2032	6,247,943	-	953,925	-	245,267	5,539,285
2033	5,539,285	-	945,766	-	215,322	4,808,841
2034	4,808,841	-	932,339	-	184,564	4,061,066
2035	4,061,066	-	919,885	-	153,048	3,294,229
2036	3,294,229	-	908,050	-	120,709	2,506,888
2037	2,506,888	-	895,523	-	87,513	1,698,878
2038	1,698,878	-	881,009	-	53,481	871,350
2039	871,350	-	864,653	-	18,658	25,355
2040	25,355	-	846,367	-	-	-

\*All DROP and Share Balances paid in 2017.

Number of Years Expected Benefit Payments Sustained: 23.03

This projection assumes no further contributions, assumes no further benefit accruals, and assumes Market Value of Assets earn 4.25% 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: 8.25% 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	15,811,427	-	2,895,134	-	1,185,018	14,101,311
2018	14,101,311	-	806,624	-	1,130,085	14,424,772
2019	14,424,772	-	869,710	-	1,154,168	14,709,230
2020	14,709,230	-	917,163	-	1,175,679	14,967,746
2021	14,967,746	-	948,457	-	1,195,715	15,215,004
2022	15,215,004	-	957,211	-	1,215,753	15,473,546
2023	15,473,546	-	962,279	-	1,236,874	15,748,141
2024	15,748,141	-	992,993	-	1,258,261	16,013,409
2025	16,013,409	-	1,000,160	-	1,279,850	16,293,099
2026	16,293,099	-	1,003,508	-	1,302,786	16,592,377
2027	16,592,377	-	990,239	-	1,328,024	16,930,162
2028	16,930,162	-	983,512	-	1,356,168	17,302,818
2029	17,302,818	-	974,160	-	1,387,298	17,715,956
2030	17,715,956	-	967,163	-	1,421,671	18,170,464
2031	18,170,464	-	962,134	-	1,459,375	18,667,705
2032	18,667,705	-	953,925	-	1,500,736	19,214,516
2033	19,214,516	-	945,766	-	1,546,185	19,814,935
2034	19,814,935	-	932,339	-	1,596,273	20,478,869
2035	20,478,869	-	919,885	-	1,651,561	21,210,545
2036	21,210,545	-	908,050	-	1,712,413	22,014,908
2037	22,014,908	-	895,523	-	1,779,290	22,898,675
2038	22,898,675	-	881,009	-	1,852,799	23,870,465
2039	23,870,465	-	864,653	-	1,933,646	24,939,458
2040	24,939,458	-	846,367	-	2,022,593	26,115,684
2041	26,115,684	-	826,463	-	2,120,452	27,409,673
2042	27,409,673	-	805,491	-	2,228,072	28,832,254
2043	28,832,254	-	783,062	-	2,346,360	30,395,552
2044	30,395,552	-	759,490	-	2,476,304	32,112,366
2045	32,112,366	-	734,625	-	2,618,967	33,996,708
2046	33,996,708	-	708,377	-	2,775,508	36,063,839
2047	36,063,839	-	680,750	-	2,947,186	38,330,275
2048	38,330,275	-	651,836	-	3,135,359	40,813,798
2049	40,813,798	-	621,582	-	3,341,498	43,533,714
2050	43,533,714	-	590,061	-	3,567,191	46,510,844
2051	46,510,844	-	557,362	-	3,814,153	49,767,635
2052	49,767,635	-	523,633	-	4,084,230	53,328,232
2053	53,328,232	-	489,199	-	4,379,400	57,218,433
2054	57,218,433	-	454,435	-	4,701,775	61,465,773
2055	61,465,773	-	419,569	-	5,053,619	66,099,823
2056	66,099,823	-	384,762	-	5,437,364	71,152,425
2057	71,152,425	-	350,250	-	5,855,627	76,657,802
2058	76,657,802	-	316,352	-	6,311,219	82,652,669
2059	82,652,669	-	283,532	-	6,807,149	89,176,286
2060	89,176,286	-	252,148	-	7,346,642	96,270,780
2061	96,270,780	-	222,431	-	7,933,164	103,981,513
2062	103,981,513	-	194,487	-	8,570,452	112,357,478
2063	112,357,478	-	168,342	-	9,262,548	121,451,684
2064	121,451,684	-	144,297	-	10,013,812	131,321,199
2065	131,321,199	-	122,654	-	10,828,939	142,027,484
2066	142,027,484	-	103,606	-	11,712,994	153,636,872



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

Table 3  
Hypothetical Assumptions: 8.25% 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
2067	153,636,872	-	87,042	-	12,671,451	166,221,281
2068	166,221,281	-	72,714	-	13,710,256	179,858,823
2069	179,858,823	-	60,468	-	14,835,859	194,634,214
2070	194,634,214	-	50,060	-	16,055,258	210,639,412
2071	210,639,412	-	41,288	-	17,376,048	227,974,172
2072	227,974,172	-	34,011	-	18,806,466	246,746,627
2073	246,746,627	-	28,050	-	20,355,440	267,074,017
2074	267,074,017	-	23,175	-	22,032,650	289,083,492
2075	289,083,492	-	19,185	-	23,848,597	312,912,904
2076	312,912,904	-	15,864	-	25,814,660	338,711,700
2077	338,711,700	-	13,085	-	27,943,175	366,641,790
2078	366,641,790	-	10,770	-	30,247,503	396,878,523
2079	396,878,523	-	8,837	-	32,742,114	429,611,800
2080	429,611,800	-	7,199	-	35,442,677	465,047,278
2081	465,047,278	-	5,817	-	38,366,160	503,407,621
2082	503,407,621	-	4,640	-	41,530,937	544,933,918
2083	544,933,918	-	3,645	-	44,956,898	589,887,171
2084	589,887,171	-	2,810	-	48,665,576	638,549,937
2085	638,549,937	-	2,125	-	52,680,282	691,228,094
2086	691,228,094	-	1,577	-	57,026,253	748,252,770
2087	748,252,770	-	1,148	-	61,730,806	809,982,428
2088	809,982,428	-	819	-	66,823,517	876,805,126
2089	876,805,126	-	572	-	72,336,399	949,140,953
2090	949,140,953	-	390	-	78,304,113	1,027,444,676
2091	1,027,444,676	-	260	-	84,764,175	1,112,208,591
2092	1,112,208,591	-	170	-	91,757,202	1,203,965,623
2093	1,203,965,623	-	109	-	99,327,159	1,303,292,673
2094	1,303,292,673	-	69	-	107,521,643	1,410,814,247
2095	1,410,814,247	-	44	-	116,392,174	1,527,206,377
2096	1,527,206,377	-	28	-	125,994,525	1,653,200,874
2097	1,653,200,874	-	17	-	136,389,071	1,789,589,928
2098	1,789,589,928	-	11	-	147,641,169	1,937,231,086
2099	1,937,231,086	-	7	-	159,821,564	2,097,052,643
2100	2,097,052,643	-	4	-	173,006,843	2,270,059,482
2101	2,270,059,482	-	3	-	187,279,907	2,457,339,386
2102	2,457,339,386	-	2	-	202,730,499	2,660,069,883
2103	2,660,069,883	-	1	-	219,455,765	2,879,525,647
2104	2,879,525,647	-	1	-	237,560,866	3,117,086,512
2105	3,117,086,512	-	-	-	257,159,637	3,374,246,149

\*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 8.25% 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: 10/1/2017

	ACTUAL	HYPOTHETICAL	
	6.25% RP-2000 Generational	4.25% RP-2000 Generational	8.25% RP-2000 Generational
Total Required Contribution (Fixed \$)	\$620,773	\$1,013,153	\$289,407
Total Required Contribution (% of Payroll)	45.34%	74.00%	21.13%
Expected Member Contribution	123,213	123,213	123,213
Expected Sponsor Contribution (Fixed \$)	\$497,560	\$889,940	\$166,194
Expected Sponsor Contribution (% of Payroll)	36.34%	65.00%	12.13%

**ASSETS**

Actuarial Value <sup>1</sup>	15,811,427	15,811,427	15,811,427
Market Value <sup>1</sup>	15,811,427	15,811,427	15,811,427

**LIABILITIES**

Present Value of Benefits			
Active Members			
Retirement Benefits	5,875,486	8,661,361	4,223,782
Disability Benefits	201,149	281,029	150,701
Death Benefits	63,817	100,968	43,205
Vested Benefits	468,015	745,031	312,790
Refund of Contributions	3,233	3,281	3,189
Service Retirees	7,775,739	9,822,468	6,385,256
DROP Retirees <sup>1</sup>	1,422,059	1,702,765	1,222,161
Beneficiaries	0	0	0
Disability Retirees	0	0	0
Terminated Vested	1,004,100	1,269,846	821,446
Share Plan Balances <sup>1</sup>	1,921,772	1,921,772	1,921,772
Total:	18,735,370	24,508,521	15,084,302
Present Value of Future Salaries	11,535,105	13,084,340	10,309,135
Present Value of Future Member Contributions	1,038,159	1,177,591	927,822
Total Normal Cost	320,756	490,639	217,351
Present Value of Future Normal Costs (Entry Age Normal)	2,500,684	4,386,417	1,499,399
Total Actuarial Accrued Liability <sup>1</sup>	16,234,686	20,122,104	13,584,903
Unfunded Actuarial Accrued Liability (UAAL)	423,259	4,310,677	(2,226,524)

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

Valuation Date: 10/1/2017

	ACTUAL	HYPOTHETICAL	
	6.25% RP-2000 Generational	4.25% RP-2000 Generational	8.25% RP-2000 Generational
<b><u>PENSION COST</u></b>			
Normal Cost (with interest)	330,780	501,065	226,317
Administrative Expenses (with interest)	65,136	64,504	65,767
Payment Required To Amortize UAAL (with interest)	224,857	447,584	(2,677)
Total Required Contribution	\$620,773	\$1,013,153	\$289,407

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