

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, 2018 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, 2018

	ACTUAL	HYPOTHETICAL
	7.25% RP-2000 Generational	5.25% RP-2000 Generational
<u>Total Pension Liability</u>		
Service Cost	925,627	1,473,444
Interest	2,120,581	1,999,830
Changes of Benefit Terms	-	-
Differences Between Expected and Actual Experience	726,207	874,484
Changes of Assumptions	-	-
Contributions - Buy Back	-	-
Benefit Payments, Including Refunds of Employee Contributions	(1,339,579)	(1,339,579)
Net Change in Total Pension Liability	2,432,836	3,008,179
Total Pension Liability - Beginning	28,993,557	37,288,341
Total Pension Liability - Ending (a)	<u>\$ 31,426,393</u>	<u>\$ 40,296,520</u>
<u>Plan Fiduciary Net Position</u>		
Contributions - Employer	995,065	995,065
Contributions - Employee	208,326	208,326
Contributions - Buy Back	-	-
Net Investment Income	2,528,497	2,528,497
Benefit Payments, Including Refunds of Employee Contributions	(1,339,579)	(1,339,579)
Administrative Expenses	(37,430)	(37,430)
Net Change in Plan Fiduciary Net Position	2,354,879	2,354,879
Plan Fiduciary Net Position - Beginning	26,942,103	26,942,103
Plan Fiduciary Net Position - Ending (b)	<u>\$ 29,296,982</u>	<u>\$ 29,296,982</u>
Net Pension Liability - Ending (a) - (b)	<u>\$ 2,129,411</u>	<u>\$ 10,999,538</u>

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 1
Plan Assumptions: 7.25% 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
2018	29,226,754	-	1,736,506	-	2,055,991	29,546,239
2019	29,546,239	-	1,704,686	-	2,080,307	29,921,860
2020	29,921,860	-	1,809,110	-	2,103,755	30,216,505
2021	30,216,505	-	1,895,090	-	2,122,000	30,443,415
2022	30,443,415	-	1,966,000	-	2,135,880	30,613,295
2023	30,613,295	-	2,047,654	-	2,145,236	30,710,877
2024	30,710,877	-	2,049,602	-	2,152,241	30,813,516
2025	30,813,516	-	2,072,978	-	2,158,834	30,899,372
2026	30,899,372	-	2,151,620	-	2,162,208	30,909,960
2027	30,909,960	-	2,214,850	-	2,160,684	30,855,794
2028	30,855,794	-	2,241,637	-	2,155,786	30,769,943
2029	30,769,943	-	2,253,702	-	2,149,124	30,665,365
2030	30,665,365	-	2,264,074	-	2,141,166	30,542,457
2031	30,542,457	-	2,272,585	-	2,131,947	30,401,819
2032	30,401,819	-	2,245,502	-	2,122,732	30,279,049
2033	30,279,049	-	2,259,948	-	2,113,308	30,132,409
2034	30,132,409	-	2,301,519	-	2,101,170	29,932,060
2035	29,932,060	-	2,274,956	-	2,087,607	29,744,711
2036	29,744,711	-	2,275,954	-	2,073,988	29,542,745
2037	29,542,745	-	2,223,906	-	2,061,232	29,380,071
2038	29,380,071	-	2,217,284	-	2,049,679	29,212,466
2039	29,212,466	-	2,193,291	-	2,038,397	29,057,572
2040	29,057,572	-	2,169,993	-	2,028,012	28,915,591
2041	28,915,591	-	2,105,460	-	2,020,057	28,830,188
2042	28,830,188	-	2,047,635	-	2,015,962	28,798,515
2043	28,798,515	-	1,994,456	-	2,015,593	28,819,652
2044	28,819,652	-	1,946,660	-	2,018,858	28,891,850
2045	28,891,850	-	1,889,985	-	2,026,147	29,028,012
2046	29,028,012	-	1,836,488	-	2,037,958	29,229,482
2047	29,229,482	-	1,776,701	-	2,054,732	29,507,513
2048	29,507,513	-	1,685,111	-	2,078,209	29,900,611
2049	29,900,611	-	1,594,332	-	2,110,000	30,416,279
2050	30,416,279	-	1,509,436	-	2,150,463	31,057,306
2051	31,057,306	-	1,427,358	-	2,199,913	31,829,861
2052	31,829,861	-	1,342,267	-	2,259,008	32,746,602
2053	32,746,602	-	1,265,437	-	2,328,257	33,809,422
2054	33,809,422	-	1,184,873	-	2,408,231	35,032,780
2055	35,032,780	-	1,111,025	-	2,499,602	36,421,357
2056	36,421,357	-	1,037,199	-	2,602,950	37,987,108
2057	37,987,108	-	964,654	-	2,719,097	39,741,551
2058	39,741,551	-	894,817	-	2,848,825	41,695,559
2059	41,695,559	-	828,488	-	2,992,895	43,859,966
2060	43,859,966	-	764,364	-	3,152,139	46,247,741
2061	46,247,741	-	703,409	-	3,327,463	48,871,795
2062	48,871,795	-	645,755	-	3,519,797	51,745,837
2063	51,745,837	-	591,321	-	3,730,138	54,884,654
2064	54,884,654	-	540,278	-	3,959,552	58,303,928
2065	58,303,928	-	492,318	-	4,209,188	62,020,798
2066	62,020,798	-	447,220	-	4,480,296	66,053,874
2067	66,053,874	-	404,910	-	4,774,228	70,423,192
2068	70,423,192	-	365,257	-	5,092,441	75,150,376
2069	75,150,376	-	328,232	-	5,436,504	80,258,648

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 1
Plan Assumptions: 7.25% 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
2070	80,258,648	-	293,773	-	5,808,103	85,772,978
2071	85,772,978	-	261,661	-	6,209,056	91,720,373
2072	91,720,373	-	231,826	-	6,641,323	98,129,870
2073	98,129,870	-	204,102	-	7,107,017	105,032,785
2074	105,032,785	-	178,491	-	7,608,407	112,462,701
2075	112,462,701	-	155,011	-	8,147,927	120,455,617
2076	120,455,617	-	133,732	-	8,728,184	129,050,069
2077	129,050,069	-	114,680	-	9,351,973	138,287,362
2078	138,287,362	-	97,724	-	10,022,291	148,211,929
2079	148,211,929	-	82,780	-	10,742,364	158,871,513
2080	158,871,513	-	69,655	-	11,515,660	170,317,518
2081	170,317,518	-	58,225	-	12,345,909	182,605,202
2082	182,605,202	-	48,381	-	13,237,123	195,793,944
2083	195,793,944	-	40,016	-	14,193,610	209,947,538
2084	209,947,538	-	32,952	-	15,220,002	225,134,588
2085	225,134,588	-	26,986	-	16,321,279	241,428,881
2086	241,428,881	-	21,975	-	17,502,797	258,909,703
2087	258,909,703	-	17,766	-	18,770,309	277,662,246
2088	277,662,246	-	14,250	-	20,129,996	297,777,992
2089	297,777,992	-	11,328	-	21,588,494	319,355,158
2090	319,355,158	-	8,919	-	23,152,926	342,499,165
2091	342,499,165	-	6,955	-	24,830,937	367,323,147
2092	367,323,147	-	5,380	-	26,630,733	393,948,500
2093	393,948,500	-	4,116	-	28,561,117	422,505,501
2094	422,505,501	-	3,111	-	30,631,536	453,133,926
2095	453,133,926	-	2,312	-	32,852,126	485,983,740
2096	485,983,740	-	1,692	-	35,233,760	521,215,808
2097	521,215,808	-	1,209	-	37,788,102	559,002,701
2098	559,002,701	-	847	-	40,527,665	599,529,519
2099	599,529,519	-	577	-	43,465,869	642,994,811
2100	642,994,811	-	386	-	46,617,110	689,611,535
2101	689,611,535	-	252	-	49,996,827	739,608,110
2102	739,608,110	-	162	-	53,621,582	793,229,530
2103	793,229,530	-	102	-	57,509,137	850,738,565
2104	850,738,565	-	63	-	61,678,544	912,417,046
2105	912,417,046	-	39	-	66,150,234	978,567,241
2106	978,567,241	-	23	-	70,946,124	1,049,513,342
2107	1,049,513,342	-	14	-	76,089,717	1,125,603,045
2108	1,125,603,045	-	9	-	81,606,220	1,207,209,256
2109	1,207,209,256	-	5	-	87,522,671	1,294,731,922
2110	1,294,731,922	-	3	-	93,868,064	1,388,599,983
2111	1,388,599,983	-	2	-	100,673,499	1,489,273,480
2112	1,489,273,480	-	1	-	107,972,327	1,597,245,806
2113	1,597,245,806	-	-	-	115,800,321	1,713,046,127

*All DROP Balances paid in 2018.

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 7.25% 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: 5.25% 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
2018	29,226,754	-	1,736,506	-	1,488,821	28,979,069
2019	28,979,069	-	1,704,686	-	1,476,653	28,751,036
2020	28,751,036	-	1,809,110	-	1,461,940	28,403,866
2021	28,403,866	-	1,895,090	-	1,441,457	27,950,233
2022	27,950,233	-	1,966,000	-	1,415,780	27,400,013
2023	27,400,013	-	2,047,654	-	1,384,750	26,737,109
2024	26,737,109	-	2,049,602	-	1,349,896	26,037,403
2025	26,037,403	-	2,072,978	-	1,312,548	25,276,973
2026	25,276,973	-	2,151,620	-	1,270,561	24,395,914
2027	24,395,914	-	2,214,850	-	1,222,646	23,403,710
2028	23,403,710	-	2,241,637	-	1,169,852	22,331,925
2029	22,331,925	-	2,253,702	-	1,113,266	21,191,489
2030	21,191,489	-	2,264,074	-	1,053,121	19,980,536
2031	19,980,536	-	2,272,585	-	989,323	18,697,274
2032	18,697,274	-	2,245,502	-	922,662	17,374,434
2033	17,374,434	-	2,259,948	-	852,834	15,967,320
2034	15,967,320	-	2,301,519	-	777,869	14,443,670
2035	14,443,670	-	2,274,956	-	698,575	12,867,289
2036	12,867,289	-	2,275,954	-	615,789	11,207,124
2037	11,207,124	-	2,223,906	-	529,996	9,513,214
2038	9,513,214	-	2,217,284	-	441,240	7,737,170
2039	7,737,170	-	2,193,291	-	348,628	5,892,507
2040	5,892,507	-	2,169,993	-	252,394	3,974,908
2041	3,974,908	-	2,105,460	-	153,414	2,022,862
2042	2,022,862	-	2,047,635	-	-	-

*All DROP Balances paid in 2018.

Number of Years Expected Benefit Payments Sustained: 24.99

This projection assumes no further contributions, assumes no further benefit accruals, and assumes Market Value of Assets earn 5.25% 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, 2020

Valuation Date: 10/1/2018

	ACTUAL	HYPOTHETICAL
	7.25% RP-2000 Generational	5.25% RP-2000 Generational
Minimum Required Contribution (Fixed \$)	\$1,345,266	\$2,468,565
Minimum Required Contribution (% of Payroll)	15.82%	29.03%
Expected Member Contribution	212,591	212,591
Expected Sponsor Contribution (Fixed \$)	\$1,132,675	\$2,255,974
Expected Sponsor Contribution (% of Payroll)	13.32%	26.53%

ASSETS

Actuarial Value ¹	28,533,898	28,533,898
Market Value ¹	29,226,754	29,226,754

LIABILITIES

Present Value of Benefits		
Active Members		
Retirement Benefits	16,211,207	23,814,053
Disability Benefits	992,757	1,359,306
Death Benefits	246,149	337,679
Vested Benefits	3,474,965	5,888,596
Refund of Contributions	81,733	83,821
Service Retirees	11,711,410	13,875,726
DROP Retirees ¹	1,983,691	2,407,571
Beneficiaries	642,773	751,582
Disability Retirees	424,613	516,184
Terminated Vested	2,191,913	3,138,240
Total:	37,961,211	52,172,758
Present Value of Future Salaries	58,197,801	65,243,719
Present Value of Future Member Contributions	1,454,945	1,631,093
Total Normal Cost	922,651	1,479,937
Present Value of Future Normal Costs (Entry Age Normal)	5,738,375	10,633,724
Total Actuarial Accrued Liability ¹	32,222,836	41,539,034
Unfunded Actuarial Accrued Liability (UAAL)	3,688,938	13,005,136

ACTUAL AND HYPOTHETICAL CONTRIBUTIONS APPLICABLE TO THE FISCAL YEAR
ENDING SEPTEMBER 30, 2020

Valuation Date: 10/1/2018

	ACTUAL	HYPOTHETICAL
	7.25% RP-2000 Generational	5.25% RP-2000 Generational
<u>PENSION COST</u>		
Normal Cost (with interest)	956,097	1,518,785
Administrative Expenses (with interest)	38,787	38,413
Payment Required To Amortize UAAL (with interest)	350,382	911,367
Minimum Required Contribution	\$1,345,266	\$2,468,565

¹ The asset values and liabilities include accumulated DROP Balances as of 9/30/2018.