

**TOWN OF DAVIE POLICE
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 Section 60T-1.0035, Florida Administrative Code.

By:



Date: 5/5/2022

Donald A. DuLaney, Jr. A.S.A.
Senior Consulting Actuary
Enrolled Actuary #20-4191

DuLaney and Company

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When reviewing the report, please note the following:

DuLaney and Company has prepared this report in order to satisfy the requirements set forth under Florida Statutes (FS) 112.664 and Ch. 60T-1.0035, F.A.C. These schedules have no impact on the funding requirements of the Plan. We have uploaded the semi-colon delimited file as described under Ch. 60T-1.0035.

The actuarial funding assumptions shown in our October 1, 2021 actuarial valuation report have been used in the preparation of this report, except as required for certain disclosures herein.

This report contains figures using an investment return assumption that is 2.0% higher than the actual funding assumption, in order to provide a balanced view, in light of the requirement to use an investment return assumption that is 2.0% lower than the actual funding assumption.

The schedules showing the projected number of years until the Fund becomes insolvent are required, but do not reflect what will occur. This is because no future contributions from any current funding source are assumed, as required for these disclosures, contrary to Florida Statutes.

SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS

	Actual	Under Section 112.664(1)(a), F.S.	Under Section 112.664(1)(b), F.S.	Under Section 112.664(1)(b), F.S.
	Discount Rate: 6.95%	Discount Rate: 6.95%	Discount Rate: 4.95%	Discount Rate: 8.95%
	FRS 7/1/2021 Mortality 9/30/2021	FRS 7/1/2021 Mortality 9/30/2021	FRS 7/1/2021 Mortality 9/30/2021	FRS 7/1/2021 Mortality 9/30/2021
1. Total pension liability:				
a. Service cost	\$ 4,967,242	\$ 4,967,242	\$ 7,913,612	\$ 3,245,926
b. Interest	\$ 15,887,410	\$ 15,887,410	\$ 14,561,222	\$ 16,531,531
c. Benefit changes	\$ -	\$ -	\$ -	\$ -
d. Difference between expected and actual experience	\$ 4,307,662	\$ 4,307,662	\$ 5,302,516	\$ 3,541,016
e. Changes in assumptions	\$ 10,940,185	\$ 10,940,185	\$ 16,529,913	\$ 7,596,493
f. Benefit payments	\$ (9,942,722)	\$ (9,942,722)	\$ (9,942,722)	\$ (9,942,722)
g. Contribution refunds	\$ (60,704)	\$ (60,704)	\$ (60,704)	\$ (60,704)
h. Net change in total pension liability	\$ 26,099,073	\$ 26,099,073	\$ 34,303,837	\$ 20,911,540
i. Total pension liability – beginning	\$ 217,690,114	\$ 217,690,114	\$ 274,724,284	\$ 178,869,133
j. Total pension liability – ending	\$ 243,789,187	\$ 243,789,187	\$ 309,028,121	\$ 199,780,673
2. Plan fiduciary net position:				
a. Contributions – Town	\$ 6,210,000	\$ 6,210,000	\$ 6,210,000	\$ 6,210,000
b. Contributions – State	\$ 1,000,965	\$ 1,000,965	\$ 1,000,965	\$ 1,000,965
c. Contributions – Member	\$ 2,339,335	\$ 2,339,335	\$ 2,339,335	\$ 2,339,335
d. Net investment income	\$ 39,822,297	\$ 39,822,297	\$ 39,822,297	\$ 39,822,297
e. Benefit payments	\$ (9,942,722)	\$ (9,942,722)	\$ (9,942,722)	\$ (9,942,722)
f. Contributions refunds	\$ (60,704)	\$ (60,704)	\$ (60,704)	\$ (60,704)
g. Administrative expense	\$ (183,548)	\$ (183,548)	\$ (183,548)	\$ (183,548)
h. Other	\$ -	\$ -	\$ -	\$ -
i. Net change in plan fiduciary net position	\$ 39,185,623	\$ 39,185,623	\$ 39,185,623	\$ 39,185,623
j. Plan fiduciary net position – beginning	\$ 189,572,081	\$ 189,572,081	\$ 189,572,081	\$ 189,572,081
k. Plan fiduciary net position – ending	\$ 228,757,704	\$ 228,757,704	\$ 228,757,704	\$ 228,757,704
3. Net pension liability/(asset) [1.j. minus 2.k.]	\$ 15,031,483	\$ 15,031,483	\$ 80,270,417	\$ (28,977,031)



PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Plan Assumptions: 6.95% and FRS 7/1/2021 Mortality

<u>Year</u>	<u>Projected Beginning Fiduciary Net Position</u>	<u>Projected Benefit Payments</u>	<u>Projected Investment Earnings</u>	<u>Projected Ending Fiduciary Net Position</u>
10/1/2021	\$207,462,311	\$12,645,482	\$13,979,200	\$208,796,029
10/1/2022	\$208,796,029	\$12,961,938	\$14,060,897	\$209,894,988
10/1/2023	\$209,894,988	\$13,624,285	\$14,114,258	\$210,384,961
10/1/2024	\$210,384,961	\$14,095,525	\$14,131,935	\$210,421,371
10/1/2025	\$210,421,371	\$14,528,515	\$14,119,419	\$210,012,275
10/1/2026	\$210,012,275	\$14,935,626	\$14,076,840	\$209,153,489
10/1/2027	\$209,153,489	\$15,556,838	\$13,995,567	\$207,592,219
10/1/2028	\$207,592,219	\$15,960,492	\$13,873,032	\$205,504,759
10/1/2029	\$205,504,759	\$16,260,588	\$13,717,525	\$202,961,696
10/1/2030	\$202,961,696	\$16,437,080	\$13,534,649	\$200,059,265
10/1/2031	\$200,059,265	\$16,621,631	\$13,326,517	\$196,764,152
10/1/2032	\$196,764,152	\$16,811,360	\$13,090,914	\$193,043,705
10/1/2033	\$193,043,705	\$16,939,603	\$12,827,886	\$188,931,989
10/1/2034	\$188,931,989	\$17,011,364	\$12,539,628	\$184,460,253
10/1/2035	\$184,460,253	\$17,075,355	\$12,226,619	\$179,611,517
10/1/2036	\$179,611,517	\$17,153,141	\$11,886,929	\$174,345,305
10/1/2037	\$174,345,305	\$17,138,505	\$11,521,436	\$168,728,236
10/1/2038	\$168,728,236	\$17,073,674	\$11,133,302	\$162,787,864
10/1/2039	\$162,787,864	\$16,946,671	\$10,724,860	\$156,566,053
10/1/2040	\$156,566,053	\$16,789,971	\$10,297,889	\$150,073,971
10/1/2041	\$150,073,971	\$16,580,250	\$9,853,977	\$143,347,698
10/1/2042	\$143,347,698	\$16,341,451	\$9,394,800	\$136,401,047
10/1/2043	\$136,401,047	\$16,077,047	\$8,921,195	\$129,245,195
10/1/2044	\$129,245,195	\$15,771,555	\$8,434,480	\$121,908,119
10/1/2045	\$121,908,119	\$15,436,090	\$7,936,210	\$114,408,240
10/1/2046	\$114,408,240	\$15,065,038	\$7,427,863	\$106,771,064



10/1/2047	\$106,771,064	\$14,668,143	\$6,910,871	\$99,013,792
10/1/2048	\$99,013,792	\$14,253,624	\$6,386,145	\$91,146,313
10/1/2049	\$91,146,313	\$13,805,985	\$5,854,911	\$83,195,239
10/1/2050	\$83,195,239	\$13,341,392	\$5,318,456	\$75,172,303
10/1/2051	\$75,172,303	\$12,859,058	\$4,777,623	\$67,090,868
10/1/2052	\$67,090,868	\$12,361,934	\$4,233,238	\$58,962,172
10/1/2053	\$58,962,172	\$11,852,610	\$3,685,993	\$50,795,554
10/1/2054	\$50,795,554	\$11,333,182	\$3,136,463	\$42,598,835
10/1/2055	\$42,598,835	\$10,806,754	\$2,585,084	\$34,377,166
10/1/2056	\$34,377,166	\$10,276,560	\$2,032,103	\$26,132,708
10/1/2057	\$26,132,708	\$9,745,359	\$1,477,572	\$17,864,921
10/1/2058	\$17,864,921	\$9,216,191	\$921,349	\$9,570,080
10/1/2059	\$9,570,080	\$8,691,829	\$363,079	\$1,241,330
10/1/2060	\$1,241,330	\$8,174,843		

Number of Years Expected Benefit Payments Sustained: 39.15

Note: As required in Section 112.664(c) of the Florida Statutes, the projection of the Fund assets do not include contributions from the Employer, Employee or State, which is contrary to Florida Statutes and Plan provisions. For this reason, these projections should not be viewed as a representation of the amount of time the Fund can sustain benefit payments. Under the GASB standards which DO include contributions from the employer, employee and State, the Fund is expected to be able to sustain the benefit payment demands in the near-term and long-term future.



PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Plan Assumptions: 6.95% and FRS 7/1/2021 Mortality

<u>Year</u>	<u>Projected Beginning Fiduciary Net Position</u>	<u>Projected Benefit Payments</u>	<u>Projected Investment Earnings</u>	<u>Projected Ending Fiduciary Net Position</u>
10/1/2021	\$207,462,311	\$12,645,482	\$13,979,200	\$208,796,029
10/1/2022	\$208,796,029	\$12,961,938	\$14,060,897	\$209,894,988
10/1/2023	\$209,894,988	\$13,624,285	\$14,114,258	\$210,384,961
10/1/2024	\$210,384,961	\$14,095,525	\$14,131,935	\$210,421,371
10/1/2025	\$210,421,371	\$14,528,515	\$14,119,419	\$210,012,275
10/1/2026	\$210,012,275	\$14,935,626	\$14,076,840	\$209,153,489
10/1/2027	\$209,153,489	\$15,556,838	\$13,995,567	\$207,592,219
10/1/2028	\$207,592,219	\$15,960,492	\$13,873,032	\$205,504,759
10/1/2029	\$205,504,759	\$16,260,588	\$13,717,525	\$202,961,696
10/1/2030	\$202,961,696	\$16,437,080	\$13,534,649	\$200,059,265
10/1/2031	\$200,059,265	\$16,621,631	\$13,326,517	\$196,764,152
10/1/2032	\$196,764,152	\$16,811,360	\$13,090,914	\$193,043,705
10/1/2033	\$193,043,705	\$16,939,603	\$12,827,886	\$188,931,989
10/1/2034	\$188,931,989	\$17,011,364	\$12,539,628	\$184,460,253
10/1/2035	\$184,460,253	\$17,075,355	\$12,226,619	\$179,611,517
10/1/2036	\$179,611,517	\$17,153,141	\$11,886,929	\$174,345,305
10/1/2037	\$174,345,305	\$17,138,505	\$11,521,436	\$168,728,236
10/1/2038	\$168,728,236	\$17,073,674	\$11,133,302	\$162,787,864
10/1/2039	\$162,787,864	\$16,946,671	\$10,724,860	\$156,566,053
10/1/2040	\$156,566,053	\$16,789,971	\$10,297,889	\$150,073,971
10/1/2041	\$150,073,971	\$16,580,250	\$9,853,977	\$143,347,698
10/1/2042	\$143,347,698	\$16,341,451	\$9,394,800	\$136,401,047
10/1/2043	\$136,401,047	\$16,077,047	\$8,921,195	\$129,245,195
10/1/2044	\$129,245,195	\$15,771,555	\$8,434,480	\$121,908,119
10/1/2045	\$121,908,119	\$15,436,090	\$7,936,210	\$114,408,240
10/1/2046	\$114,408,240	\$15,065,038	\$7,427,863	\$106,771,064



10/1/2047	\$106,771,064	\$14,668,143	\$6,910,871	\$99,013,792
10/1/2048	\$99,013,792	\$14,253,624	\$6,386,145	\$91,146,313
10/1/2049	\$91,146,313	\$13,805,985	\$5,854,911	\$83,195,239
10/1/2050	\$83,195,239	\$13,341,392	\$5,318,456	\$75,172,303
10/1/2051	\$75,172,303	\$12,859,058	\$4,777,623	\$67,090,868
10/1/2052	\$67,090,868	\$12,361,934	\$4,233,238	\$58,962,172
10/1/2053	\$58,962,172	\$11,852,610	\$3,685,993	\$50,795,554
10/1/2054	\$50,795,554	\$11,333,182	\$3,136,463	\$42,598,835
10/1/2055	\$42,598,835	\$10,806,754	\$2,585,084	\$34,377,166
10/1/2056	\$34,377,166	\$10,276,560	\$2,032,103	\$26,132,708
10/1/2057	\$26,132,708	\$9,745,359	\$1,477,572	\$17,864,921
10/1/2058	\$17,864,921	\$9,216,191	\$921,349	\$9,570,080
10/1/2059	\$9,570,080	\$8,691,829	\$363,079	\$1,241,330
10/1/2060	\$1,241,330	\$8,174,843		

Number of Years Expected Benefit Payments Sustained: 39.15

Note: As required in Section 112.664(c) of the Florida Statutes, the projection of the Fund assets do not include contributions from the Employer, Employee or State, which is contrary to Florida Statutes and Plan provisions. For this reason, these projections should not be viewed as a representation of the amount of time the Fund can sustain benefit payments. Under the GASB standards which DO include contributions from the employer, employee and State, the Fund is expected to be able to sustain the benefit payment demands in the near-term and long-term future.

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Plan Assumptions: 4.95% and FRS 7/1/2021 Mortality

<u>Year</u>	<u>Projected Beginning Fiduciary Net Position</u>	<u>Projected Benefit Payments</u>	<u>Projected Investment Earnings</u>	<u>Projected Ending Fiduciary Net Position</u>
10/1/2021	\$207,462,311	\$12,645,482	\$9,956,409	\$204,773,238
10/1/2022	\$204,773,238	\$12,961,938	\$9,815,467	\$201,626,767
10/1/2023	\$201,626,767	\$13,624,285	\$9,643,324	\$197,645,806
10/1/2024	\$197,645,806	\$14,095,525	\$9,434,603	\$192,984,884
10/1/2025	\$192,984,884	\$14,528,515	\$9,193,171	\$187,649,540
10/1/2026	\$187,649,540	\$14,935,626	\$8,918,995	\$181,632,910
10/1/2027	\$181,632,910	\$15,556,838	\$8,605,797	\$174,681,869
10/1/2028	\$174,681,869	\$15,960,492	\$8,251,730	\$166,973,107
10/1/2029	\$166,973,107	\$16,260,588	\$7,862,719	\$158,575,238
10/1/2030	\$158,575,238	\$16,437,080	\$7,442,657	\$149,580,815
10/1/2031	\$149,580,815	\$16,621,631	\$6,992,865	\$139,952,049
10/1/2032	\$139,952,049	\$16,811,360	\$6,511,545	\$129,652,234
10/1/2033	\$129,652,234	\$16,939,603	\$5,998,530	\$118,711,162
10/1/2034	\$118,711,162	\$17,011,364	\$5,455,171	\$107,154,969
10/1/2035	\$107,154,969	\$17,075,355	\$4,881,556	\$94,961,170
10/1/2036	\$94,961,170	\$17,153,141	\$4,276,038	\$82,084,067
10/1/2037	\$82,084,067	\$17,138,505	\$3,638,983	\$68,584,545
10/1/2038	\$68,584,545	\$17,073,674	\$2,972,362	\$54,483,232
10/1/2039	\$54,483,232	\$16,946,671	\$2,277,490	\$39,814,051
10/1/2040	\$39,814,051	\$16,789,971	\$1,555,244	\$24,579,324
10/1/2041	\$24,579,324	\$16,580,250	\$806,315	\$8,805,389
10/1/2042	\$8,805,389	\$16,341,451		



Number of Years Expected Benefit Payments Sustained: 21.54

Note: As required in Section 112.664(c) of the Florida Statutes, the projection of the Fund assets do not include contributions from the Employer, Employee or State, which is contrary to Florida Statutes and Plan provisions. For this reason, these projections should not be viewed as a representation of the amount of time the Fund can sustain benefit payments. Under the GASB standards which DO include contributions from the employer, employee and State, the Fund is expected to be able to sustain the benefit payment demands in the near-term and long-term future.

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Plan Assumptions: 8.95% and FRS 7/1/2021 Mortality

<u>Year</u>	<u>Projected Beginning Fiduciary Net Position</u>	<u>Projected Benefit Payments</u>	<u>Projected Investment Earnings</u>	<u>Projected Ending Fiduciary Net Position</u>
10/1/2021	\$207,462,311	\$12,645,482	\$18,001,992	\$212,818,821
10/1/2022	\$212,818,821	\$12,961,938	\$18,467,238	\$218,324,120
10/1/2023	\$218,324,120	\$13,624,285	\$18,930,322	\$223,630,157
10/1/2024	\$223,630,157	\$14,095,525	\$19,384,124	\$228,918,757
10/1/2025	\$228,918,757	\$14,528,515	\$19,838,078	\$234,228,319
10/1/2026	\$234,228,319	\$14,935,626	\$20,295,065	\$239,587,759
10/1/2027	\$239,587,759	\$15,556,838	\$20,746,936	\$244,777,856
10/1/2028	\$244,777,856	\$15,960,492	\$21,193,386	\$250,010,751
10/1/2029	\$250,010,751	\$16,260,588	\$21,648,301	\$255,398,463
10/1/2030	\$255,398,463	\$16,437,080	\$22,122,603	\$261,083,987
10/1/2031	\$261,083,987	\$16,621,631	\$22,623,199	\$267,085,554
10/1/2032	\$267,085,554	\$16,811,360	\$23,151,849	\$273,426,043
10/1/2033	\$273,426,043	\$16,939,603	\$23,713,584	\$280,200,024
10/1/2034	\$280,200,024	\$17,011,364	\$24,316,644	\$287,505,303
10/1/2035	\$287,505,303	\$17,075,355	\$24,967,603	\$295,397,551
10/1/2036	\$295,397,551	\$17,153,141	\$25,670,478	\$303,914,888
10/1/2037	\$303,914,888	\$17,138,505	\$26,433,434	\$313,209,817
10/1/2038	\$313,209,817	\$17,073,674	\$27,268,232	\$323,404,375
10/1/2039	\$323,404,375	\$16,946,671	\$28,186,328	\$334,644,032
10/1/2040	\$334,644,032	\$16,789,971	\$29,199,290	\$347,053,350
10/1/2041	\$347,053,350	\$16,580,250	\$30,319,309	\$360,792,409
10/1/2042	\$360,792,409	\$16,341,451	\$31,559,641	\$376,010,599
10/1/2043	\$376,010,599	\$16,077,047	\$32,933,501	\$392,867,052
10/1/2044	\$392,867,052	\$15,771,555	\$34,455,824	\$411,551,321
10/1/2045	\$411,551,321	\$15,436,090	\$36,143,078	\$432,258,310
10/1/2046	\$432,258,310	\$15,065,038	\$38,012,958	\$455,206,230



10/1/2047	\$455,206,230	\$14,668,143	\$40,084,558	\$480,622,645
10/1/2048	\$480,622,645	\$14,253,624	\$42,377,877	\$508,746,898
10/1/2049	\$508,746,898	\$13,805,985	\$44,915,030	\$539,855,943
10/1/2050	\$539,855,943	\$13,341,392	\$47,720,080	\$574,234,630
10/1/2051	\$574,234,630	\$12,859,058	\$50,818,557	\$612,194,129
10/1/2052	\$612,194,129	\$12,361,934	\$54,238,178	\$654,070,373
10/1/2053	\$654,070,373	\$11,852,610	\$58,008,894	\$700,226,657
10/1/2054	\$700,226,657	\$11,333,182	\$62,163,126	\$751,056,601
10/1/2055	\$751,056,601	\$10,806,754	\$66,735,964	\$806,985,810
10/1/2056	\$806,985,810	\$10,276,560	\$71,765,354	\$868,474,604
10/1/2057	\$868,474,604	\$9,745,359	\$77,292,372	\$936,021,618
10/1/2058	\$936,021,618	\$9,216,191	\$83,361,510	\$1,010,166,937
10/1/2059	\$1,010,166,937	\$8,691,829	\$90,020,981	\$1,091,496,089
10/1/2060	\$1,091,496,089	\$8,174,843	\$97,323,076	\$1,180,644,322

Number of Years Expected Benefit Payments Sustained: 999.99

Note: As required in Section 112.664(c) of the Florida Statutes, the projection of the Fund assets do not include contributions from the Employer, Employee or State, which is contrary to Florida Statutes and Plan provisions. For this reason, these projections should not be viewed as a representation of the amount of time the Fund can sustain benefit payments. Under the GASB standards which DO include contributions from the employer, employee and State, the Fund is expected to be able to sustain the benefit payment demands in the near-term and long-term future.

ACTUAL AND HYPOTHETICAL CONTRIBUTIONS APPLICABLE TO THE FISCAL YEAR
 ENDING SEPTEMBER 30, 2022
 Valuation Date: 10/1/2021

PENSION COST	ACTUAL			
	Interest Rate: 6.95% FRS 7/1/2021 Mortality	Interest Rate: 6.95% FRS 7/1/2021 Mortality	Interest Rate: 4.95% FRS 7/1/2021 Mortality	Interest Rate: 8.95% FRS 7/1/2021 Mortality
Normal Cost	\$ 4,814,200	\$ 4,814,200	\$ 7,640,068	\$ 3,160,767
Administrative Expenses	\$ 183,548	\$ 183,548	\$ 183,548	\$ 183,548
Payment Required to Amortize UAAL	\$ 3,057,841	\$ 3,057,841	\$ 7,748,510	\$ (1,067,009)
Interest Adjustment	\$ 354,524	\$ 354,524	\$ 482,667	\$ 140,507
Total Required Contribution	\$ 8,410,113	\$ 8,410,113	\$ 16,054,793	\$ 2,417,813
TRC as % of Payroll	53.73%	53.73%	102.56%	15.45%

