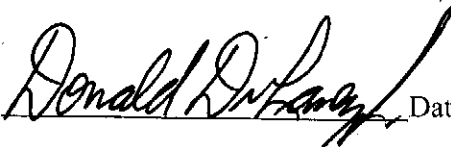


**TOWN OF DAVIE POLICE
PENSION PLAN**

**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: 5/10/18

Donald A. DuLaney, Jr. A.S.A.
Senior Consulting Actuary
Enrolled Actuary #17-4191

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, 2017 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(D)(a), F.S.	Under Section 112.664(D)(b), F.S.	Under Section 112.664(D)(b), F.S.
	Discount Rate: 7.50%	Discount Rate: 7.50%	Discount Rate: 5.50%	Discount Rate: 9.50%
	FRS 7/1/2016 Mortality 9/30/2017	FRS 7/1/2016 Mortality 9/30/2017	FRS 7/1/2016 Mortality 9/30/2017	FRS 7/1/2016 Mortality 9/30/2017
1. Total pension liability:				
a. Service cost	\$ 4,561,507	\$ 4,561,507	\$ 7,194,708	\$ 3,013,501
b. Interest	\$ 13,025,553	\$ 13,025,553	\$ 12,461,207	\$ 13,172,452
c. Benefit changes	\$ -	\$ -	\$ -	\$ -
d. Difference between expected and actual experience	\$ 329,491	\$ 329,491	\$ 680,679	\$ 50,930
e. Changes in assumptions	\$ 3,013,288	\$ 3,013,288	\$ 4,530,292	\$ 2,033,547
f. Benefit payments	\$ (5,999,697)	\$ (5,999,697)	\$ (5,999,697)	\$ (5,999,697)
g. Contribution refunds	\$ (36,851)	\$ (36,851)	\$ (36,851)	\$ (36,851)
h. Net change in total pension liability	\$ 14,893,291	\$ 14,893,291	\$ 18,830,338	\$ 12,233,882
i. Total pension liability – beginning	\$ 169,117,525	\$ 169,117,525	\$ 217,860,666	\$ 136,628,611
j. Total pension liability – ending	\$ 184,010,816	\$ 184,010,816	\$ 236,691,004	\$ 148,862,493
2. Plan fiduciary net position:				
a. Contributions – Town	\$ 6,472,000	\$ 6,472,000	\$ 6,472,000	\$ 6,472,000
b. Contributions – State	\$ 905,664	\$ 905,664	\$ 905,664	\$ 905,664
c. Contributions – Member	\$ 2,233,592	\$ 2,233,592	\$ 2,233,592	\$ 2,233,592
d. Net investment income	\$ 16,147,239	\$ 16,147,239	\$ 16,147,239	\$ 16,147,239
e. Benefit payments	\$ (5,999,697)	\$ (5,999,697)	\$ (5,999,697)	\$ (5,999,697)
f. Contributions refunds	\$ (36,851)	\$ (36,851)	\$ (36,851)	\$ (36,851)
g. Administrative expense	\$ (197,732)	\$ (197,732)	\$ (197,732)	\$ (197,732)
h. Other	\$ -	\$ -	\$ -	\$ -
i. Net change in plan fiduciary net position	\$ 19,524,215	\$ 19,524,215	\$ 19,524,215	\$ 19,524,215
j. Plan fiduciary net position – beginning	\$ 133,536,652	\$ 133,536,652	\$ 133,536,652	\$ 133,536,652
k. Plan fiduciary net position – ending	\$ 153,060,867	\$ 153,060,867	\$ 153,060,867	\$ 153,060,867
3. Net pension liability/(asset) [(a)1.j. minus (a)2.k.]	\$ 30,949,949	\$ 30,949,949	\$ 83,630,137	\$ (4,198,374)



PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Plan Assumptions: 7.50% and FRS 7/1/2016 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>
10/1/2017	\$153,060,867	\$8,563,921	\$11,158,418	\$155,655,364
10/1/2018	\$155,655,364	\$9,147,819	\$11,331,109	\$157,838,654
10/1/2019	\$157,838,654	\$9,798,383	\$11,470,460	\$159,510,731
10/1/2020	\$159,510,731	\$10,463,398	\$11,570,927	\$160,618,260
10/1/2021	\$160,618,260	\$11,034,825	\$11,632,564	\$161,215,999
10/1/2022	\$161,215,999	\$11,483,311	\$11,660,576	\$161,393,263
10/1/2023	\$161,393,263	\$11,915,598	\$11,657,660	\$161,135,325
10/1/2024	\$161,135,325	\$12,396,841	\$11,620,268	\$160,358,752
10/1/2025	\$160,358,752	\$12,751,686	\$11,548,718	\$159,155,784
10/1/2026	\$159,155,784	\$13,012,380	\$11,448,720	\$157,592,124
10/1/2027	\$157,592,124	\$13,316,360	\$11,320,046	\$155,595,810
10/1/2028	\$155,595,810	\$13,542,019	\$11,161,860	\$153,215,651
10/1/2029	\$153,215,651	\$13,732,712	\$10,976,197	\$150,459,136
10/1/2030	\$150,459,136	\$13,863,568	\$10,764,551	\$147,360,119
10/1/2031	\$147,360,119	\$13,983,762	\$10,527,618	\$143,903,975
10/1/2032	\$143,903,975	\$14,105,877	\$10,263,828	\$140,061,926
10/1/2033	\$140,061,926	\$14,183,195	\$9,972,775	\$135,851,505
10/1/2034	\$135,851,505	\$14,228,604	\$9,655,290	\$131,278,192
10/1/2035	\$131,278,192	\$14,241,454	\$9,311,810	\$126,348,548
10/1/2036	\$126,348,548	\$14,233,671	\$8,942,378	\$121,057,255
10/1/2037	\$121,057,255	\$14,194,023	\$8,547,018	\$115,410,250
10/1/2038	\$115,410,250	\$14,112,763	\$8,126,540	\$109,424,027
10/1/2039	\$109,424,027	\$14,009,010	\$7,681,464	\$103,096,482
10/1/2040	\$103,096,482	\$13,888,603	\$7,211,414	\$96,419,292
10/1/2041	\$96,419,292	\$13,733,885	\$6,716,426	\$89,401,833
10/1/2042	\$89,401,833	\$13,566,281	\$6,196,402	\$82,031,954

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10/1/2043	\$82,031,954	\$13,373,532	\$5,650,889	\$74,309,311
10/1/2044	\$74,309,311	\$13,155,546	\$5,079,865	\$66,233,631
10/1/2045	\$66,233,631	\$12,920,942	\$4,482,987	\$57,795,676
10/1/2046	\$57,795,676	\$12,664,573	\$3,859,754	\$48,990,857
10/1/2047	\$48,990,857	\$12,389,937	\$3,209,692	\$39,810,612
10/1/2048	\$39,810,612	\$12,098,813	\$2,532,090	\$30,243,889
10/1/2049	\$30,243,889	\$11,789,556	\$1,826,183	\$20,280,516
10/1/2050	\$20,280,516	\$11,464,302	\$1,091,127	\$9,907,342
10/1/2051	\$9,907,342	\$11,122,749		

Number of Years Expected Benefit Payments Sustained: 34.89

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: 7.50% and FRS 7/1/2016 Mortality

Year	Projected Beginning Fiduciary Net Position	Projected Benefit Payments	Projected Investment Earnings	Projected Ending Fiduciary Net Position
10/1/2017	\$153,060,867	\$8,563,921	\$11,158,418	\$155,655,364
10/1/2018	\$155,655,364	\$9,147,819	\$11,331,109	\$157,838,654
10/1/2019	\$157,838,654	\$9,798,383	\$11,470,460	\$159,510,731
10/1/2020	\$159,510,731	\$10,463,398	\$11,570,927	\$160,618,260
10/1/2021	\$160,618,260	\$11,034,825	\$11,632,564	\$161,215,999
10/1/2022	\$161,215,999	\$11,483,311	\$11,660,576	\$161,393,263
10/1/2023	\$161,393,263	\$11,915,598	\$11,657,660	\$161,135,325
10/1/2024	\$161,135,325	\$12,396,841	\$11,620,268	\$160,358,752
10/1/2025	\$160,358,752	\$12,751,686	\$11,548,718	\$159,155,784
10/1/2026	\$159,155,784	\$13,012,380	\$11,448,720	\$157,592,124
10/1/2027	\$157,592,124	\$13,316,360	\$11,320,046	\$155,595,810
10/1/2028	\$155,595,810	\$13,542,019	\$11,161,860	\$153,215,651
10/1/2029	\$153,215,651	\$13,732,712	\$10,976,197	\$150,459,136
10/1/2030	\$150,459,136	\$13,863,568	\$10,764,551	\$147,360,119
10/1/2031	\$147,360,119	\$13,983,762	\$10,527,618	\$143,903,975
10/1/2032	\$143,903,975	\$14,105,877	\$10,263,828	\$140,061,926
10/1/2033	\$140,061,926	\$14,183,195	\$9,972,775	\$135,851,505
10/1/2034	\$135,851,505	\$14,228,604	\$9,655,290	\$131,278,192
10/1/2035	\$131,278,192	\$14,241,454	\$9,311,810	\$126,348,548
10/1/2036	\$126,348,548	\$14,233,671	\$8,942,378	\$121,057,255
10/1/2037	\$121,057,255	\$14,194,023	\$8,547,018	\$115,410,250
10/1/2038	\$115,410,250	\$14,112,763	\$8,126,540	\$109,424,027
10/1/2039	\$109,424,027	\$14,009,010	\$7,681,464	\$103,096,482
10/1/2040	\$103,096,482	\$13,888,603	\$7,211,414	\$96,419,292
10/1/2041	\$96,419,292	\$13,733,885	\$6,716,426	\$89,401,833
10/1/2042	\$89,401,833	\$13,566,281	\$6,196,402	\$82,031,954



10/1/2043	\$82,031,954	\$13,373,532	\$5,650,889	\$74,309,311
10/1/2044	\$74,309,311	\$13,155,546	\$5,079,865	\$66,233,631
10/1/2045	\$66,233,631	\$12,920,942	\$4,482,987	\$57,795,676
10/1/2046	\$57,795,676	\$12,664,573	\$3,859,754	\$48,990,857
10/1/2047	\$48,990,857	\$12,389,937	\$3,209,692	\$39,810,612
10/1/2048	\$39,810,612	\$12,098,813	\$2,532,090	\$30,243,889
10/1/2049	\$30,243,889	\$11,789,556	\$1,826,183	\$20,280,516
10/1/2050	\$20,280,516	\$11,464,302	\$1,091,127	\$9,907,342
10/1/2051	\$9,907,342	\$11,122,749		

Number of Years Expected Benefit Payments Sustained: 34.89

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: 5.50% and FRS 7/1/2016 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>
10/1/2017	\$153,060,867	\$8,563,921	\$8,182,840	\$152,679,786
10/1/2018	\$152,679,786	\$9,147,819	\$8,145,823	\$151,677,790
10/1/2019	\$151,677,790	\$9,798,383	\$8,072,823	\$149,952,230
10/1/2020	\$149,952,230	\$10,463,398	\$7,959,629	\$147,448,461
10/1/2021	\$147,448,461	\$11,034,825	\$7,806,208	\$144,219,844
10/1/2022	\$144,219,844	\$11,483,311	\$7,616,300	\$140,352,833
10/1/2023	\$140,352,833	\$11,915,598	\$7,391,727	\$135,828,962
10/1/2024	\$135,828,962	\$12,396,841	\$7,129,680	\$130,561,801
10/1/2025	\$130,561,801	\$12,751,686	\$6,830,228	\$124,640,343
10/1/2026	\$124,640,343	\$13,012,380	\$6,497,378	\$118,125,341
10/1/2027	\$118,125,341	\$13,316,360	\$6,130,694	\$110,939,675
10/1/2028	\$110,939,675	\$13,542,019	\$5,729,277	\$103,126,932
10/1/2029	\$103,126,932	\$13,732,712	\$5,294,332	\$94,688,552
10/1/2030	\$94,688,552	\$13,863,568	\$4,826,622	\$85,651,606
10/1/2031	\$85,651,606	\$13,983,762	\$4,326,285	\$75,994,129
10/1/2032	\$75,994,129	\$14,105,877	\$3,791,765	\$65,680,018
10/1/2033	\$65,680,018	\$14,183,195	\$3,222,363	\$54,719,186
10/1/2034	\$54,719,186	\$14,228,604	\$2,618,269	\$43,108,850
10/1/2035	\$43,108,850	\$14,241,454	\$1,979,347	\$30,846,743
10/1/2036	\$30,846,743	\$14,233,671	\$1,305,145	\$17,918,217
10/1/2037	\$17,918,217	\$14,194,023	\$595,166	\$4,319,361
10/1/2038	\$4,319,361	\$14,112,763		

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Number of Years Expected Benefit Payments Sustained: 21.31

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: 9.50% and FRS 7/1/2016 Mortality

Year	Projected Beginning		Projected Benefit		Projected Investment		Projected Ending	
	Fiduciary Net Position	Earnings	Payments	Earnings	Fiduciary Net Position	Earnings	Fiduciary Net Position	
10/1/2017	\$153,060,867	\$14,133,996	\$8,563,921	\$14,133,996	\$158,630,942	\$14,133,996	\$158,630,942	
10/1/2018	\$158,630,942	\$14,635,418	\$9,147,819	\$14,635,418	\$164,118,541	\$14,635,418	\$164,118,541	
10/1/2019	\$164,118,541	\$15,125,838	\$9,798,383	\$15,125,838	\$169,445,996	\$15,125,838	\$169,445,996	
10/1/2020	\$169,445,996	\$15,600,358	\$10,463,398	\$15,600,358	\$174,582,957	\$15,600,358	\$174,582,957	
10/1/2021	\$174,582,957	\$16,061,227	\$11,034,825	\$16,061,227	\$179,609,358	\$16,061,227	\$179,609,358	
10/1/2022	\$179,609,358	\$16,517,432	\$11,483,311	\$16,517,432	\$184,643,479	\$16,517,432	\$184,643,479	
10/1/2023	\$184,643,479	\$16,975,140	\$11,915,598	\$16,975,140	\$189,703,021	\$16,975,140	\$189,703,021	
10/1/2024	\$189,703,021	\$17,432,937	\$12,396,841	\$17,432,937	\$194,739,117	\$17,432,937	\$194,739,117	
10/1/2025	\$194,739,117	\$17,894,511	\$12,751,686	\$17,894,511	\$199,881,942	\$17,894,511	\$199,881,942	
10/1/2026	\$199,881,942	\$18,370,696	\$13,012,380	\$18,370,696	\$205,240,258	\$18,370,696	\$205,240,258	
10/1/2027	\$205,240,258	\$18,865,297	\$13,316,360	\$18,865,297	\$210,789,196	\$18,865,297	\$210,789,196	
10/1/2028	\$210,789,196	\$19,381,728	\$13,542,019	\$19,381,728	\$216,628,904	\$19,381,728	\$216,628,904	
10/1/2029	\$216,628,904	\$19,927,442	\$13,732,712	\$19,927,442	\$222,823,634	\$19,927,442	\$222,823,634	
10/1/2030	\$222,823,634	\$20,509,726	\$13,863,568	\$20,509,726	\$229,469,792	\$20,509,726	\$229,469,792	
10/1/2031	\$229,469,792	\$21,135,402	\$13,983,762	\$21,135,402	\$236,621,432	\$21,135,402	\$236,621,432	
10/1/2032	\$236,621,432	\$21,809,007	\$14,105,877	\$21,809,007	\$244,324,562	\$21,809,007	\$244,324,562	
10/1/2033	\$244,324,562	\$22,537,132	\$14,183,195	\$22,537,132	\$252,678,498	\$22,537,132	\$252,678,498	
10/1/2034	\$252,678,498	\$23,328,599	\$14,228,604	\$23,328,599	\$261,778,493	\$23,328,599	\$261,778,493	
10/1/2035	\$261,778,493	\$24,192,488	\$14,241,454	\$24,192,488	\$271,729,527	\$24,192,488	\$271,729,527	
10/1/2036	\$271,729,527	\$25,138,206	\$14,233,671	\$25,138,206	\$282,634,061	\$25,138,206	\$282,634,061	
10/1/2037	\$282,634,061	\$26,176,020	\$14,194,023	\$26,176,020	\$294,616,058	\$26,176,020	\$294,616,058	
10/1/2038	\$294,616,058	\$27,318,169	\$14,112,763	\$27,318,169	\$307,821,464	\$27,318,169	\$307,821,464	
10/1/2039	\$307,821,464	\$28,577,611	\$14,009,010	\$28,577,611	\$322,390,066	\$28,577,611	\$322,390,066	
10/1/2040	\$322,390,066	\$29,967,348	\$13,888,603	\$29,967,348	\$338,468,810	\$29,967,348	\$338,468,810	
10/1/2041	\$338,468,810	\$31,502,177	\$13,733,885	\$31,502,177	\$356,237,103	\$31,502,177	\$356,237,103	
10/1/2042	\$356,237,103	\$33,198,126	\$13,566,281	\$33,198,126	\$375,868,948	\$33,198,126	\$375,868,948	



10/1/2043	\$375,868,948	\$13,373,532	\$35,441,489	\$397,936,905
10/1/2044	\$397,936,905	\$13,155,546	\$37,570,477	\$422,351,836
10/1/2045	\$422,351,836	\$12,920,942	\$39,925,571	\$449,356,465
10/1/2046	\$449,356,465	\$12,664,573	\$42,530,321	\$479,222,213
10/1/2047	\$479,222,213	\$12,389,937	\$45,410,616	\$512,242,892
10/1/2048	\$512,242,892	\$12,098,813	\$48,594,575	\$548,738,653
10/1/2049	\$548,738,653	\$11,789,556	\$52,113,012	\$589,062,109
10/1/2050	\$589,062,109	\$11,464,302	\$55,999,676	\$633,597,483
10/1/2051	\$633,597,483	\$11,122,749	\$60,291,466	\$682,766,201
10/1/2052	\$682,766,201	\$10,765,291	\$65,028,821	\$737,029,731
10/1/2053	\$737,029,731	\$10,391,261	\$70,256,074	\$796,894,544
10/1/2054	\$796,894,544	\$10,000,610	\$76,021,847	\$862,915,781
10/1/2055	\$862,915,781	\$9,595,086	\$82,379,351	\$935,700,046
10/1/2056	\$935,700,046	\$9,176,424	\$89,386,736	\$1,015,910,358
10/1/2057	\$1,015,910,358	\$8,746,094	\$97,107,582	\$1,104,271,845
10/1/2058	\$1,104,271,845	\$8,306,592	\$105,611,381	\$1,201,576,634
10/1/2059	\$1,201,576,634	\$7,859,761	\$114,974,088	\$1,308,690,962
10/1/2060	\$1,308,690,962	\$7,407,669	\$125,278,764	\$1,426,562,057
10/1/2061	\$1,426,562,057	\$6,953,796	\$136,616,175	\$1,556,224,436
10/1/2062	\$1,556,224,436	\$6,501,315	\$149,085,483	\$1,698,808,604

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, 2018
 Valuation Date: 10/1/2017

PENSION COST	ACTUAL			
	Interest Rate: 7.5% FRS 7/1/2016 Mortality	Interest Rate: 7.5% FRS 7/1/2016 Mortality	Interest Rate: 5.5% FRS 7/1/2016 Mortality	Interest Rate: 9.5% FRS 7/1/2016 Mortality
Normal Cost	\$ 4,574,502	\$ 4,574,502	\$ 7,226,564	\$ 3,017,646
Administrative Expenses	\$ 197,732	\$ 197,732	\$ 197,732	\$ 197,732
Payment Required to Amortize UAAL	\$ 3,403,874	\$ 3,403,874	\$ 7,171,180	\$ 130,947
Interest Adjustment	\$ 379,443	\$ 379,443	\$ 499,375	\$ 201,190
Total Required Contribution	\$ 8,555,551	\$ 8,555,551	\$ 15,094,851	\$ 3,547,515
TRC as % of Payroll	55.60%	55.60%	98.09%	23.05%

