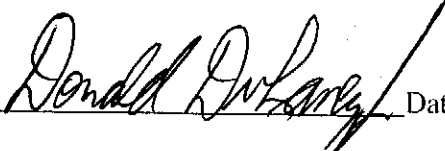


**CITY OF LAUDERHILL POLICE OFFICERS'  
RETIREMENT SYSTEM**

**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: 8/26/20

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

**DuLaney and Company**

**D**

## **INTRODUCTION**

## **Section 112.664, F.S. Requirements**

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, 2019 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.

	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: 7.00%	Discount Rate: 7.00%	Discount Rate: 5.00%	Discount Rate: 9.00%
	FRS 7/1/2019 Mortality 9/30/2019	FRS 7/1/2019 Mortality 9/30/2019	FRS 7/1/2019 Mortality 9/30/2019	FRS 7/1/2019 Mortality 9/30/2019
<b>1. Total pension liability:</b>				
a. Service cost	\$ 2,365,427	\$ 2,365,427	\$ 3,720,650	\$ 1,553,830
b. Interest	\$ 5,844,657	\$ 5,844,657	\$ 5,424,567	\$ 5,995,393
c. Benefit changes	\$ -	\$ -	\$ -	\$ -
d. Difference between expected and actual experience	\$ 1,925,094	\$ 1,925,094	\$ 2,312,577	\$ 1,658,169
e. Changes in assumptions	\$ (1,126,113)	\$ (1,126,113)	\$ (1,956,518)	\$ (775,475)
f. Benefit payments	\$ (4,261,286)	\$ (4,261,286)	\$ (4,261,286)	\$ (4,261,286)
g. Contribution refunds	\$ (10,270)	\$ (10,270)	\$ (10,270)	\$ (10,270)
h. Net change in total pension liability	\$ 4,737,509	\$ 4,737,509	\$ 5,229,720	\$ 4,160,361
i. Total pension liability – beginning	\$ 84,391,564	\$ 84,391,564	\$ 108,862,994	\$ 67,972,899
j. Total pension liability – ending	\$ 89,129,073	\$ 89,129,073	\$ 114,092,714	\$ 72,133,260
<b>2. Plan fiduciary net position:</b>				
a. Contributions – City	\$ 2,990,419	\$ 2,990,419	\$ 2,990,419	\$ 2,990,419
b. Contributions – State	\$ -	\$ -	\$ -	\$ -
c. Contributions – Member	\$ 1,091,077	\$ 1,091,077	\$ 1,091,077	\$ 1,091,077
d. Net investment income	\$ 1,786,676	\$ 1,786,676	\$ 1,786,676	\$ 1,786,676
e. Benefit payments	\$ (4,261,286)	\$ (4,261,286)	\$ (4,261,286)	\$ (4,261,286)
f. Contributions refunds	\$ (10,270)	\$ (10,270)	\$ (10,270)	\$ (10,270)
g. Administrative expense	\$ (147,624)	\$ (147,624)	\$ (147,624)	\$ (147,624)
h. Other	\$ -	\$ -	\$ -	\$ -
i. Net change in plan fiduciary net position	\$ 1,448,992	\$ 1,448,992	\$ 1,448,992	\$ 1,448,992
j. Plan fiduciary net position – beginning	\$ 71,281,197	\$ 71,281,197	\$ 71,281,197	\$ 71,281,197
k. Plan fiduciary net position – ending	\$ 72,730,189	\$ 72,730,189	\$ 72,730,189	\$ 72,730,189
<b>3. Net pension liability/(asset) [(a)1.j. minus (a)2.k.]</b>	\$ 16,398,884	\$ 16,398,884	\$ 41,362,525	\$ (596,929)



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

Plan Assumptions: 7.00% and FRS 7/1/2019 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>
10/1/2019	\$70,748,954	\$4,071,098	\$4,809,938	\$71,487,794
10/1/2020	\$71,487,794	\$4,529,654	\$4,845,608	\$71,803,748
10/1/2021	\$71,803,748	\$4,623,599	\$4,864,436	\$72,044,585
10/1/2022	\$72,044,585	\$4,959,343	\$4,869,544	\$71,954,786
10/1/2023	\$71,954,786	\$5,152,174	\$4,856,509	\$71,659,121
10/1/2024	\$71,659,121	\$5,441,156	\$4,825,698	\$71,043,663
10/1/2025	\$71,043,663	\$5,729,191	\$4,772,535	\$70,087,007
10/1/2026	\$70,087,007	\$5,944,822	\$4,698,022	\$68,840,207
10/1/2027	\$68,840,207	\$6,178,936	\$4,602,552	\$67,263,823
10/1/2028	\$67,263,823	\$6,243,268	\$4,489,953	\$65,510,508
10/1/2029	\$65,510,508	\$6,350,850	\$4,363,456	\$63,523,114
10/1/2030	\$63,523,114	\$6,394,975	\$4,222,794	\$61,350,932
10/1/2031	\$61,350,932	\$6,378,186	\$4,071,329	\$59,044,075
10/1/2032	\$59,044,075	\$6,331,279	\$3,911,491	\$56,624,287
10/1/2033	\$56,624,287	\$6,333,844	\$3,742,016	\$54,032,458
10/1/2034	\$54,032,458	\$6,329,363	\$3,560,744	\$51,263,840
10/1/2035	\$51,263,840	\$6,369,162	\$3,365,548	\$48,260,226
10/1/2036	\$48,260,226	\$6,338,234	\$3,156,378	\$45,078,369
10/1/2037	\$45,078,369	\$6,311,595	\$2,934,580	\$41,701,354
10/1/2038	\$41,701,354	\$6,292,063	\$2,698,873	\$38,108,164
10/1/2039	\$38,108,164	\$6,267,844	\$2,448,197	\$34,288,517
10/1/2040	\$34,288,517	\$6,172,956	\$2,184,143	\$30,299,704
10/1/2041	\$30,299,704	\$6,063,167	\$1,908,768	\$26,145,305
10/1/2042	\$26,145,305	\$5,977,161	\$1,620,971	\$21,789,115
10/1/2043	\$21,789,115	\$5,872,290	\$1,319,708	\$17,236,533
10/1/2044	\$17,236,533	\$5,742,708	\$1,005,563	\$12,499,387



10/1/2045	\$12,499,387	\$5,611,524	\$678,554	\$7,566,417
10/1/2046	\$7,566,417	\$5,458,698	\$338,595	\$2,446,314
10/1/2047	\$2,446,314	\$5,295,944		

Number of Years Expected Benefit Payments Sustained: 28.46

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: 7.00% and FRS 7/1/2019 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>
10/1/2019	\$70,748,954	\$4,071,098	\$4,809,938	\$71,487,794
10/1/2020	\$71,487,794	\$4,529,654	\$4,845,608	\$71,803,748
10/1/2021	\$71,803,748	\$4,623,599	\$4,864,436	\$72,044,585
10/1/2022	\$72,044,585	\$4,959,343	\$4,869,544	\$71,954,786
10/1/2023	\$71,954,786	\$5,152,174	\$4,856,509	\$71,659,121
10/1/2024	\$71,659,121	\$5,441,156	\$4,825,698	\$71,043,663
10/1/2025	\$71,043,663	\$5,729,191	\$4,772,535	\$70,087,007
10/1/2026	\$70,087,007	\$5,944,822	\$4,698,022	\$68,840,207
10/1/2027	\$68,840,207	\$6,178,936	\$4,602,552	\$67,263,823
10/1/2028	\$67,263,823	\$6,243,268	\$4,489,953	\$65,510,508
10/1/2029	\$65,510,508	\$6,350,850	\$4,363,456	\$63,523,114
10/1/2030	\$63,523,114	\$6,394,975	\$4,222,794	\$61,350,932
10/1/2031	\$61,350,932	\$6,378,186	\$4,071,329	\$59,044,075
10/1/2032	\$59,044,075	\$6,331,279	\$3,911,491	\$56,624,287
10/1/2033	\$56,624,287	\$6,333,844	\$3,742,016	\$54,032,458
10/1/2034	\$54,032,458	\$6,329,363	\$3,560,744	\$51,263,840
10/1/2035	\$51,263,840	\$6,369,162	\$3,365,548	\$48,260,226
10/1/2036	\$48,260,226	\$6,338,234	\$3,156,378	\$45,078,369
10/1/2037	\$45,078,369	\$6,311,595	\$2,934,580	\$41,701,354
10/1/2038	\$41,701,354	\$6,292,063	\$2,698,873	\$38,108,164
10/1/2039	\$38,108,164	\$6,267,844	\$2,448,197	\$34,288,517
10/1/2040	\$34,288,517	\$6,172,956	\$2,184,143	\$30,299,704
10/1/2041	\$30,299,704	\$6,063,167	\$1,908,768	\$26,145,305
10/1/2042	\$26,145,305	\$5,977,161	\$1,620,971	\$21,789,115
10/1/2043	\$21,789,115	\$5,872,290	\$1,319,708	\$17,236,533
10/1/2044	\$17,236,533	\$5,742,708	\$1,005,563	\$12,499,387



10/1/2045	\$12,499,387	\$5,611,524	\$678,554	\$7,566,417
10/1/2046	\$7,566,417	\$5,458,698	\$338,595	\$2,446,314
10/1/2047	\$2,446,314	\$5,295,944		

Number of Years Expected Benefit Payments Sustained: 28.46

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: 5.00% and FRS 7/1/2019 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>
10/1/2019	\$70,748,954	\$4,071,098	\$3,435,670	\$70,113,526
10/1/2020	\$70,113,526	\$4,529,654	\$3,392,435	\$68,976,307
10/1/2021	\$68,976,307	\$4,623,599	\$3,333,225	\$67,685,934
10/1/2022	\$67,685,934	\$4,959,343	\$3,260,313	\$65,986,904
10/1/2023	\$65,986,904	\$5,152,174	\$3,170,541	\$64,005,271
10/1/2024	\$64,005,271	\$5,441,156	\$3,064,235	\$61,628,349
10/1/2025	\$61,628,349	\$5,729,191	\$2,938,188	\$58,837,346
10/1/2026	\$58,837,346	\$5,944,822	\$2,793,247	\$55,685,771
10/1/2027	\$55,685,771	\$6,178,936	\$2,629,815	\$52,136,650
10/1/2028	\$52,136,650	\$6,243,268	\$2,450,751	\$48,344,133
10/1/2029	\$48,344,133	\$6,350,850	\$2,258,435	\$44,251,718
10/1/2030	\$44,251,718	\$6,394,975	\$2,052,712	\$39,909,454
10/1/2031	\$39,909,454	\$6,378,186	\$1,836,018	\$35,367,286
10/1/2032	\$35,367,286	\$6,331,279	\$1,610,082	\$30,646,090
10/1/2033	\$30,646,090	\$6,333,844	\$1,373,958	\$25,686,204
10/1/2034	\$25,686,204	\$6,329,363	\$1,126,076	\$20,482,917
10/1/2035	\$20,482,917	\$6,369,162	\$864,917	\$14,978,672
10/1/2036	\$14,978,672	\$6,338,234	\$590,478	\$9,230,916
10/1/2037	\$9,230,916	\$6,311,595	\$303,756	\$3,223,077
10/1/2038	\$3,223,077	\$6,292,063		





Number of Years Expected Benefit Payments Sustained: 19.51

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: 9.00% and FRS 7/1/2019 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>
10/1/2019	\$70,748,954	\$4,071,098	\$6,184,206	\$72,862,062
10/1/2020	\$72,862,062	\$4,529,654	\$6,353,751	\$74,686,160
10/1/2021	\$74,686,160	\$4,623,599	\$6,513,692	\$76,576,253
10/1/2022	\$76,576,253	\$4,959,343	\$6,668,692	\$78,285,602
10/1/2023	\$78,285,602	\$5,152,174	\$6,813,856	\$79,947,285
10/1/2024	\$79,947,285	\$5,441,156	\$6,950,404	\$81,456,532
10/1/2025	\$81,456,532	\$5,729,191	\$7,073,274	\$82,800,616
10/1/2026	\$82,800,616	\$5,944,822	\$7,184,538	\$84,040,332
10/1/2027	\$84,040,332	\$6,178,936	\$7,285,578	\$85,146,974
10/1/2028	\$85,146,974	\$6,243,268	\$7,382,281	\$86,285,986
10/1/2029	\$86,285,986	\$6,350,850	\$7,479,951	\$87,415,087
10/1/2030	\$87,415,087	\$6,394,975	\$7,579,584	\$88,599,696
10/1/2031	\$88,599,696	\$6,378,186	\$7,686,954	\$89,908,464
10/1/2032	\$89,908,464	\$6,331,279	\$7,806,854	\$91,384,039
10/1/2033	\$91,384,039	\$6,333,844	\$7,939,541	\$92,989,736
10/1/2034	\$92,989,736	\$6,329,363	\$8,084,255	\$94,744,628
10/1/2035	\$94,744,628	\$6,369,162	\$8,240,404	\$96,615,870
10/1/2036	\$96,615,870	\$6,338,234	\$8,410,208	\$98,687,844
10/1/2037	\$98,687,844	\$6,311,595	\$8,597,884	\$100,974,133
10/1/2038	\$100,974,133	\$6,292,063	\$8,804,529	\$103,486,599
10/1/2039	\$103,486,599	\$6,267,844	\$9,031,741	\$106,250,496
10/1/2040	\$106,250,496	\$6,172,956	\$9,284,762	\$109,362,302
10/1/2041	\$109,362,302	\$6,063,167	\$9,569,765	\$112,868,900
10/1/2042	\$112,868,900	\$5,977,161	\$9,889,229	\$116,780,967
10/1/2043	\$116,780,967	\$5,872,290	\$10,246,034	\$121,154,711
10/1/2044	\$121,154,711	\$5,742,708	\$10,645,502	\$126,057,505



10/1/2045	\$126,057,505	\$5,611,524	\$11,092,657	\$131,538,638
10/1/2046	\$131,538,638	\$5,458,698	\$11,592,836	\$137,672,776
10/1/2047	\$137,672,776	\$5,295,944	\$12,152,232	\$144,529,065
10/1/2048	\$144,529,065	\$5,125,225	\$12,776,981	\$152,180,821
10/1/2049	\$152,180,821	\$4,946,428	\$13,473,685	\$160,708,077
10/1/2050	\$160,708,077	\$4,766,528	\$14,249,233	\$170,190,782
10/1/2051	\$170,190,782	\$4,577,827	\$15,111,168	\$180,724,123
10/1/2052	\$180,724,123	\$4,380,738	\$16,068,038	\$192,411,423
10/1/2053	\$192,411,423	\$4,177,747	\$17,129,029	\$205,362,706
10/1/2054	\$205,362,706	\$3,971,302	\$18,303,935	\$219,695,339
10/1/2055	\$219,695,339	\$3,760,472	\$19,603,359	\$235,538,226
10/1/2056	\$235,538,226	\$3,548,455	\$21,038,760	\$253,028,531
10/1/2057	\$253,028,531	\$3,335,057	\$22,622,490	\$272,315,964
10/1/2058	\$272,315,964	\$3,120,891	\$24,367,997	\$293,563,070
10/1/2059	\$293,563,070	\$2,907,681	\$26,289,831	\$316,945,219
10/1/2060	\$316,945,219	\$2,697,037	\$28,403,703	\$342,651,886
10/1/2061	\$342,651,886	\$2,490,664	\$30,726,590	\$370,887,811
10/1/2062	\$370,887,811	\$2,289,650	\$33,276,869	\$401,875,030
10/1/2063	\$401,875,030	\$2,095,155	\$36,074,471	\$435,854,346

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, 2020

Valuation Date: 10/1/2019

PENSION COST	ACTUAL			INTEREST RATE: 9.00%		
	Interest Rate: 7.00%	Interest Rate: 7.00%	Interest Rate: 5.00%	Interest Rate: 7.00%	Interest Rate: 5.00%	Interest Rate: 9.00%
	FRS 7/1/2019 Mortality	FRS 7/1/2019 Mortality	FRS 7/1/2019 Mortality	FRS 7/1/2019 Mortality	FRS 7/1/2019 Mortality	FRS 7/1/2019 Mortality
Normal Cost	2,544,333	2,544,333	4,011,076	1,668,101		
Administrative Expenses	147,624	147,624	147,624	147,624		
Payment Required to Amortize UAAL	1,351,018	1,351,018	3,103,440	(196,167)		
Interest Adjustment	110,667	110,667	164,989	16,261		
<b>Total Required Contribution</b>	<b>4,153,642</b>	<b>4,153,642</b>	<b>7,427,129</b>	<b>1,635,819</b>		
TRC as % of Payroll	40.30% *	40.30%	72.06%	15.87%		
*City	25.54%					
Member	10.00%					
State	4.77%					

