

August 18, 2020

Board of Trustees of the City of Hollywood Police Officers' Retirement System 4205 Hollywood Blvd., Suite 4 Hollywood, FL 33021

## Disclosures - Chapter 112.664(1)

Dear Board of Trustees:

Chapter 112.664(1), Florida Statutes require each public pension plan to submit information to the Department of Management Services within 60 days after the Board of Trustees approves the valuation report. Attached are the disclosures for the Hollywood Police Officers' Retirement System based on the October 1, 2019 actuarial valuation.

In addition to the attached information, Hollywood Police Officers' Retirement System and the City of Hollywood websites must include five years' actual and expected asset rate of return, along with investment breakdown percentages and a link to the Division of Retirement's Actuarial Summary Fact Sheet for the Retirement Fund.

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.



Board of Trustees August 18, 2020 Page 2

The undersigned are members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein.

Please let us know if you have any questions.

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Todd B. Green, ASA, FCA, MAAA President

Micki R. Taylor Micki R. Taylor, ASA, EA, FCA, MAAA

Micki R. Taylor, ASA, EA, FCA, MAAA Consulting Actuary Enrolled Actuary No. 20-5975

Encs.

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## City of Hollywood Police Officers' Retirement System

# SCHEDULE OF CHANGES IN THE NET PENSION LIABILITY September 30, 2018 to September 30, 2019 Information under Section 112.664(1)(a) F.S.

1. Total pension liability	
a. Service cost	\$6,546,203
b. Interest	34,845,972
c. Benefit changes	3,365,177
d. Difference between expected and actual experience	7,888,987
e. Changes of assumptions	(14,286,600)
f. Benefit payments	(43,626,471)
g. Contribution refunds	(112,089)
h. Net change in total pension liability	(5,378,821)
i. Total pension liability - beginning	\$457,443,930
j. Total pension liability - ending	\$452,065,109
Discount rate - beginning	8.00%
Discount rate - ending	8.00%
2. Plan net position	
a. Contributions - Employer	\$24,446,359
b. Contributions - State	\$7,379,064
c. Contributions - Member	3,329,431
d. Net investment income	3,752,261
e. Benefit payments	(43,626,471)
f. Contribution refunds	(112,089)
g. Administrative expense	(714,919)
h. Other	0
i. Net change in plan net position	(5,546,364)
j. Plan net position - beginning	\$221,459,839
k. Plan net position - ending	\$215,913,475
3. Net pension liability (asset) [1.j 2.k.]	\$236,151,634



## City of Hollywood Police Officers' Retirement System

## SCHEDULE OF CHANGES IN THE NET PENSION LIABILITY September 30, 2018 to September 30, 2019 Information under Section 112.664(1)(b) F.S. (-2%)

1. Total pension liability	
a. Service cost	\$10,285,655
b. Interest	33,052,567
c. Benefit changes	4,268,561
d. Difference between expected and actual experience	9,856,872
e. Changes of assumptions	(22,188,066)
f. Benefit payments	(43,626,471)
g. Contribution refunds	(112,089)
h. Net change in total pension liability	(8,462,971)
i. Total pension liability - beginning	\$572,745,394
j. Total pension liability - ending	\$564,282,423
Discount rate - beginning	6.00%
Discount rate - ending	6.00%
2. Plan net position	
a. Contributions - Employer	\$24,446,359
b. Contributions - State	\$7,379,064
c. Contributions - Member	3,329,431
d. Net investment income	3,752,261
e. Benefit payments	(43,626,471)
f. Contribution refunds	(112,089)
g. Administrative expense	(714,919)
h. Other	0
i. Net change in plan net position	(5,546,364)
j. Plan net position - beginning	\$221,459,839
k. Plan net position - ending	\$215,913,475
3. Net pension liability (asset) [1.j 2.k.]	\$348,368,948



## City of Hollywood Police Officers' Retirement System

## SCHEDULE OF CHANGES IN THE NET PENSION LIABILITY September 30, 2018 to September 30, 2019 Information under Section 112.664(1)(b) F.S. (+2%)

1. Total pension liability	
a. Service cost	\$4,339,831
b. Interest	35,740,252
c. Benefit changes	2,775,774
d. Difference between expected and actual experience	6,485,960
e. Changes of assumptions	(9,899,636)
f. Benefit payments	(43,626,471)
g. Contribution refunds	(112,089)
h. Net change in total pension liability	(4,296,379)
i. Total pension liability - beginning	\$379,271,802
j. Total pension liability - ending	\$374,975,423
Discount rate - beginning	10.00%
Discount rate - ending	10.00%
2. Plan net position	
a. Contributions - Employer	\$24,446,359
b. Contributions - State	\$7,379,064
c. Contributions - Member	3,329,431
d. Net investment income	3,752,261
e. Benefit payments	(43,626,471)
f. Contribution refunds	(112,089)
g. Administrative expense	(714,919)
h. Other	0
i. Net change in plan net position	(5,546,364)
j. Plan net position - beginning	\$221,459,839
k. Plan net position - ending	\$215,913,475
3. Net pension liability (asset) [1.j 2.k.]	\$159,061,948



#### City of Hollywood Police Officers' Retirement System Information on Projected Market Value of Assets under Florida Statutes Section 112.664(1)(c)

	October 1, 2019 Actuarial			
	Valuation	Section 112.664(1)(a) Basis	Section 112.664(1)(b) Basis	Section 112.664(1)(b) Basis
	Female Pre-Retirement: PubG.H-	Female Pre-Retirement: PubG.H-	Female Pre-Retirement: PubG.H-	Female Pre-Retirement: PubG.H-
	2010 Headcount Weighted	2010 Headcount Weighted		2010 Headcount Weighted
	Safety Employee Set Forward 1	Safety Employee Set Forward 1	Safety Employee Set Forward 1	Safety Employee Set Forward 1
	year; projected generationally	year; projected generationally	year; projected generationally	year; projected generationally
	using projection scale MP-2018	using projection scale MP-2018	using projection scale MP-2018	using projection scale MP-2018
	Female Post-Retirement: PubG.H-	Female Post-Retirement: PubG.H-	Female Post-Retirement: PubG.H-	Female Post-Retirement: PubG.H-
	2010 Headcount Weighted	2010 Headcount Weighted		2010 Headcount Weighted
	Safety Healthy Retiree Set	Safety Healthy Retiree Set	Safety Healthy Retiree Set	Safety Healthy Retiree Set
	Forward 1 year; projected	Forward 1 year; projected	Forward 1 year; projected	Forward 1 year; projected
	generationally using projection	generationally using projection	generationally using projection	generationally using projection
	scale MP-2018		scale MP-2018	scale MP-2018
Mortality Table - Healthy	Male Pre-Retirement: PubG.H-	Male Pre-Retirement: PubG.H-	Male Pre-Retirement: PubG.H-	Male Pre-Retirement: PubG.H-
	2010 Headcount Weighted	e	8	2010 Headcount Weighted
	Safety Below Median Employee	5 1 5	Safety Below Median Employee	Safety Below Median Employee
	Set Forward 1 year; projected			Set Forward 1 year; projected
	generationally using projection		generationally using projection	generationally using projection
	scale MP-2018		scale MP-2018	scale MP-2018
	Male Post-Retirement: PubG.H-		Male Post-Retirement: PubG.H-	Male Post-Retirement: PubG.H-
	e	e	e	2010 Headcount Weighted
				Safety Below Median Healthy
	Retiree Set Forward 1 year;	, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,	Retiree Set Forward 1 year;
	projected generationally using		1 5 6 5 6	projected generationally using
	projection scale MP-2018	projection scale MP-2018	projection scale MP-2018	projection scale MP-2018
	Pub-2010 80% Headcount	Pub-2010 80% Headcount	Pub-2010 80% Headcount	Pub-2010 80% Headcount
	Weighted General Disabled	Weighted General Disabled	Weighted General Disabled	Weighted General Disabled
	Retiree; 20% Headcount	e	e	Retiree; 20% Headcount
Mortality Table - Disabled	Weighted Safety Disabled	Weighted Safety Disabled	Weighted Safety Disabled	Weighted Safety Disabled
	Retiree; projected generationally	- ·	Retiree; projected generationally	Retiree; projected generationally
	using projection scale MP-2018	using projection scale MP-2018	using projection scale MP-2018	using projection scale MP-2018
Discount Rate	8.00%	8.00%	6.00%	10.00%
	0.0070	0.0070	0.0070	10.0070
Number of Years for which the Market				
Value of Assets are adequate to sustain	10.2500	10.2500	9.1667	11.6667
expected retirement benefits				



#### City of Hollywood Police Officers' Retirement System Information on Contributions under Florida Statutes Section 112.664(1)(d)

	October 1, 2019 Actuarial			
	Valuation	Section 112.664(1)(a) Basis	Section 112.664(1)(b) Basis	Section 112.664(1)(b) Basis
	Female Pre-Retirement: PubG.H-	Female Pre-Retirement: PubG.H-	Female Pre-Retirement: PubG.H-	Female Pre-Retirement: PubG.H-
	2010 Headcount Weighted	2010 Headcount Weighted	2010 Headcount Weighted	2010 Headcount Weighted
	Safety Employee Set Forward 1			
	year; projected generationally	year; projected generationally	year; projected generationally	year; projected generationally
	using projection scale MP-2018			
	Female Post-Retirement: PubG.H-	Female Post-Retirement: PubG.H-	Female Post-Retirement: PubG.H-	Female Post-Retirement: PubG.H-
	2010 Headcount Weighted	2010 Headcount Weighted	2010 Headcount Weighted	2010 Headcount Weighted
	Safety Healthy Retiree Set			
	Forward 1 year; projected			
	generationally using projection	generationally using projection	generationally using projection	generationally using projection
	scale MP-2018	scale MP-2018	scale MP-2018	scale MP-2018
Mortality Table - Healthy	Male Pre-Retirement: PubG.H-	Male Pre-Retirement: PubG.H-	Male Pre-Retirement: PubG.H-	Male Pre-Retirement: PubG.H-
	2010 Headcount Weighted	2010 Headcount Weighted	2010 Headcount Weighted	2010 Headcount Weighted
	Safety Below Median Employee			
	Set Forward 1 year; projected			
	generationally using projection	generationally using projection	generationally using projection	generationally using projection
	scale MP-2018	scale MP-2018	scale MP-2018	scale MP-2018
	Male Post-Retirement: PubG.H-	Male Post-Retirement: PubG.H-	Male Post-Retirement: PubG.H-	Male Post-Retirement: PubG.H-
	2010 Headcount Weighted	2010 Headcount Weighted	2010 Headcount Weighted	2010 Headcount Weighted
	Safety Below Median Healthy			
	Retiree Set Forward 1 year;			
	projected generationally using	projected generationally using	projected generationally using	projected generationally using
	projection scale MP-2018	projection scale MP-2018	projection scale MP-2018	projection scale MP-2018
	Pub-2010 80% Headcount	Pub-2010 80% Headcount	Pub-2010 80% Headcount	Pub-2010 80% Headcount
	Weighted General Disabled	Weighted General Disabled	Weighted General Disabled	Weighted General Disabled
	Retiree: 20% Headcount	Retiree: 20% Headcount	Retiree: 20% Headcount	Retiree: 20% Headcount
Mortality Table - Disabled	Weighted Safety Disabled	Weighted Safety Disabled	Weighted Safety Disabled	Weighted Safety Disabled
	Retiree; projected generationally	Retiree; projected generationally	Retiree; projected generationally	Retiree; projected generationally
	using projection scale MP-2018			
				5 r
Discount Rate	8.00%	8.00%	6.00%	10.00%
Covered Pavroll	\$23,623,752	\$23,623,752	\$23,623,752	\$23,623,752
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City Dollar Contributions to the Plan*	\$25,150,747	\$25,150,747	\$35,706,680	\$16,936,390
Contributions as a Percentage of Payroll	106.46%	106.46%	151.15%	71.69%

Investment Return Assumption

Number of months benefits sustained123Number of years benefits sustained10.2500

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
10/1/2019	215,913,475	1,389,194	2,293,736	215,008,933
11/1/2019	215,008,933	1,383,374	2,293,736	214,098,571
12/1/2019	214,098,571	1,377,517	2,293,736	213,182,352
1/1/2020	213,182,352	1,371,622	2,293,736	212,260,238
2/1/2020	212,260,238	1,365,689	2,293,736	211,332,191
3/1/2020	211,332,191	1,359,718	2,293,736	210,398,173
4/1/2020	210,398,173	1,353,708	2,293,736	209,458,145
5/1/2020	209,458,145	1,347,660	2,293,736	208,512,069
6/1/2020	208,512,069	1,341,573	2,293,736	207,559,906
7/1/2020	207,559,906	1,335,447	2,293,736	206,601,617
8/1/2020	206,601,617	1,329,281	2,293,736	205,637,162
9/1/2020	205,637,162	1,323,076	2,293,736	204,666,502
10/1/2020	204,666,502	1,316,830	2,374,462	203,608,870
11/1/2020	203,608,870	1,310,026	2,374,462	202,544,434
12/1/2020	202,544,434	1,303,177	2,374,462	201,473,149
1/1/2021	201,473,149	1,296,284	2,374,462	200,394,971
2/1/2021	200,394,971	1,289,347	2,374,462	199,309,856
3/1/2021	199,309,856	1,282,366	2,374,462	198,217,760
4/1/2021	198,217,760	1,275,339	2,374,462	197,118,637
5/1/2021	197,118,637	1,268,267	2,374,462	196,012,442
6/1/2021	196,012,442	1,261,150	2,374,462	194,899,130
7/1/2021	194,899,130	1,253,987	2,374,462	193,778,655
8/1/2021	193,778,655	1,246,778	2,374,462	192,650,971
9/1/2021	192,650,971	1,239,522	2,374,462	191,516,031
10/1/2021	191,516,031	1,232,220	2,436,918	190,311,333
11/1/2021	190,311,333	1,224,469	2,436,918	189,098,884
12/1/2021	189,098,884	1,216,668	2,436,918	187,878,634
1/1/2022	187,878,634	1,208,817	2,436,918	186,650,533
2/1/2022	186,650,533	1,200,915	2,436,918	185,414,530
3/1/2022	185,414,530	1,192,963	2,436,918	184,170,575
4/1/2022	184,170,575	1,184,959	2,436,918	182,918,616

Florida Senate Bill 534 adopted in May 2013 requires pension plans to disclose information for publiclyfunded retirement plans. The plan is providing the information above to comply with the requirements of Senate Bill 534. However, the information required by Senate Bill 534 in the projection of plan assets does not include future contributions from the City, employee or State, which is contrary to Florida Statutes, and should not be viewed as an indication of the plan's ability to pay future benefits. The plan follows Florida pension funding rules to maximize the protection of public employee retirement benefits, to assure the plan is funded on a sound financial basis and to assure sufficient assets are available to pay retirement benefits.



Investment Return Assumption

Number of months benefits sustained123Number of years benefits sustained10.2500

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
5/1/2022	182,918,616	1,176,904	2,436,918	181,658,602
6/1/2022	181,658,602	1,168,797	2,436,918	180,390,481
7/1/2022	180,390,481	1,160,638	2,436,918	179,114,201
8/1/2022	179,114,201	1,152,426	2,436,918	177,829,709
9/1/2022	177,829,709	1,144,162	2,436,918	176,536,953
10/1/2022	176,536,953	1,135,844	2,488,526	175,184,271
11/1/2022	175,184,271	1,127,141	2,488,526	173,822,886
12/1/2022	173,822,886	1,118,382	2,488,526	172,452,742
1/1/2023	172,452,742	1,109,566	2,488,526	171,073,782
2/1/2023	171,073,782	1,100,694	2,488,526	169,685,950
3/1/2023	169,685,950	1,091,765	2,488,526	168,289,189
4/1/2023	168,289,189	1,082,778	2,488,526	166,883,441
5/1/2023	166,883,441	1,073,733	2,488,526	165,468,648
6/1/2023	165,468,648	1,064,630	2,488,526	164,044,752
7/1/2023	164,044,752	1,055,469	2,488,526	162,611,695
8/1/2023	162,611,695	1,046,249	2,488,526	161,169,418
9/1/2023	161,169,418	1,036,969	2,488,526	159,717,861
10/1/2023	159,717,861	1,027,630	2,540,050	158,205,441
11/1/2023	158,205,441	1,017,899	2,540,050	156,683,290
12/1/2023	156,683,290	1,008,105	2,540,050	155,151,345
1/1/2024	155,151,345	998,248	2,540,050	153,609,543
2/1/2024	153,609,543	988,328	2,540,050	152,057,821
3/1/2024	152,057,821	978,345	2,540,050	150,496,116
4/1/2024	150,496,116	968,297	2,540,050	148,924,363
5/1/2024	148,924,363	958,184	2,540,050	147,342,497
6/1/2024	147,342,497	948,006	2,540,050	145,750,453
7/1/2024	145,750,453	937,763	2,540,050	144,148,166
8/1/2024	144,148,166	927,454	2,540,050	142,535,570
9/1/2024	142,535,570	917,078	2,540,050	140,912,598
10/1/2024	140,912,598	906,636	2,650,295	139,168,939
11/1/2024	139,168,939	895,417	2,650,295	137,414,061

Florida Senate Bill 534 adopted in May 2013 requires pension plans to disclose information for publiclyfunded retirement plans. The plan is providing the information above to comply with the requirements of Senate Bill 534. However, the information required by Senate Bill 534 in the projection of plan assets does not include future contributions from the City, employee or State, which is contrary to Florida Statutes, and should not be viewed as an indication of the plan's ability to pay future benefits. The plan follows Florida pension funding rules to maximize the protection of public employee retirement benefits, to assure the plan is funded on a sound financial basis and to assure sufficient assets are available to pay retirement benefits.



Investment Return Assumption

Number of months benefits sustained123Number of years benefits sustained10.2500

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
12/1/2024	137,414,061	884,126	2,650,295	135,647,892
1/1/2025	135,647,892	872,763	2,650,295	133,870,360
2/1/2025	133,870,360	861,326	2,650,295	132,081,391
3/1/2025	132,081,391	849,816	2,650,295	130,280,912
4/1/2025	130,280,912	838,231	2,650,295	128,468,848
5/1/2025	128,468,848	826,572	2,650,295	126,645,125
6/1/2025	126,645,125	814,839	2,650,295	124,809,669
7/1/2025	124,809,669	803,029	2,650,295	122,962,403
8/1/2025	122,962,403	791,144	2,650,295	121,103,252
9/1/2025	121,103,252	779,182	2,650,295	119,232,139
10/1/2025	119,232,139	767,143	2,698,561	117,300,721
11/1/2025	117,300,721	754,716	2,698,561	115,356,876
12/1/2025	115,356,876	742,210	2,698,561	113,400,525
1/1/2026	113,400,525	729,622	2,698,561	111,431,586
2/1/2026	111,431,586	716,954	2,698,561	109,449,979
3/1/2026	109,449,979	704,204	2,698,561	107,455,622
4/1/2026	107,455,622	691,373	2,698,561	105,448,434
5/1/2026	105,448,434	678,458	2,698,561	103,428,331
6/1/2026	103,428,331	665,461	2,698,561	101,395,231
7/1/2026	101,395,231	652,380	2,698,561	99,349,050
8/1/2026	99,349,050	639,215	2,698,561	97,289,704
9/1/2026	97,289,704	625,965	2,698,561	95,217,108
10/1/2026	95,217,108	612,630	2,735,587	93,094,151
11/1/2026	93,094,151	598,971	2,735,587	90,957,535
12/1/2026	90,957,535	585,224	2,735,587	88,807,172
1/1/2027	88,807,172	571,388	2,735,587	86,642,973
2/1/2027	86,642,973	557,463	2,735,587	84,464,849
3/1/2027	84,464,849	543,449	2,735,587	82,272,711
4/1/2027	82,272,711	529,345	2,735,587	80,066,469
5/1/2027	80,066,469	515,150	2,735,587	77,846,032
6/1/2027	77,846,032	500,864	2,735,587	75,611,309

Florida Senate Bill 534 adopted in May 2013 requires pension plans to disclose information for publiclyfunded retirement plans. The plan is providing the information above to comply with the requirements of Senate Bill 534. However, the information required by Senate Bill 534 in the projection of plan assets does not include future contributions from the City, employee or State, which is contrary to Florida Statutes, and should not be viewed as an indication of the plan's ability to pay future benefits. The plan follows Florida pension funding rules to maximize the protection of public employee retirement benefits, to assure the plan is funded on a sound financial basis and to assure sufficient assets are available to pay retirement benefits.



Investment Return Assumption

Number of months benefits sustained123Number of years benefits sustained10.2500

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
7/1/2027	75,611,309	486,485	2,735,587	73,362,207
8/1/2027	73,362,207	472,015	2,735,587	71,098,635
9/1/2027	71,098,635	457,451	2,735,587	68,820,499
10/1/2027	68,820,499	442,793	2,760,183	66,503,109
11/1/2027	66,503,109	427,883	2,760,183	64,170,809
12/1/2027	64,170,809	412,877	2,760,183	61,823,503
1/1/2028	61,823,503	397,774	2,760,183	59,461,094
2/1/2028	59,461,094	382,574	2,760,183	57,083,485
3/1/2028	57,083,485	367,277	2,760,183	54,690,579
4/1/2028	54,690,579	351,881	2,760,183	52,282,277
5/1/2028	52,282,277	336,386	2,760,183	49,858,480
6/1/2028	49,858,480	320,791	2,760,183	47,419,088
7/1/2028	47,419,088	305,096	2,760,183	44,964,001
8/1/2028	44,964,001	289,300	2,760,183	42,493,118
9/1/2028	42,493,118	273,402	2,760,183	40,006,337
10/1/2028	40,006,337	257,402	2,788,926	37,474,813
11/1/2028	37,474,813	241,114	2,788,926	34,927,001
12/1/2028	34,927,001	224,721	2,788,926	32,362,796
1/1/2029	32,362,796	208,223	2,788,926	29,782,093
2/1/2029	29,782,093	191,619	2,788,926	27,184,786
3/1/2029	27,184,786	174,908	2,788,926	24,570,768
4/1/2029	24,570,768	158,089	2,788,926	21,939,931
5/1/2029	21,939,931	141,162	2,788,926	19,292,167
6/1/2029	19,292,167	124,126	2,788,926	16,627,367
7/1/2029	16,627,367	106,981	2,788,926	13,945,422
8/1/2029	13,945,422	89,725	2,788,926	11,246,221
9/1/2029	11,246,221	72,359	2,788,926	8,529,654
10/1/2029	8,529,654	54,880	2,823,914	5,760,620
11/1/2029	5,760,620	37,064	2,823,914	2,973,770
12/1/2029	2,973,770	19,133	2,823,914	168,989
1/1/2030	168,989	1,087	2,823,914	(2,653,838)

Florida Senate Bill 534 adopted in May 2013 requires pension plans to disclose information for publiclyfunded retirement plans. The plan is providing the information above to comply with the requirements of Senate Bill 534. However, the information required by Senate Bill 534 in the projection of plan assets does not include future contributions from the City, employee or State, which is contrary to Florida Statutes, and should not be viewed as an indication of the plan's ability to pay future benefits. The plan follows Florida pension funding rules to maximize the protection of public employee retirement benefits, to assure the plan is funded on a sound financial basis and to assure sufficient assets are available to pay retirement benefits.



Investment Return Assumption

Number of months benefits sustained123Number of years benefits sustained10.2500

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
2/1/2030	(2,653,838)	(17,075)	2,823,914	(5,494,827)
3/1/2030	(5,494,827)	(35,354)	2,823,914	(8,354,095)
4/1/2030	(8,354,095)	(53,750)	2,823,914	(11,231,759)
5/1/2030	(11,231,759)	(72,265)	2,823,914	(14,127,938)
6/1/2030	(14,127,938)	(90,900)	2,823,914	(17,042,752)
7/1/2030	(17,042,752)	(109,654)	2,823,914	(19,976,320)
8/1/2030	(19,976,320)	(128,528)	2,823,914	(22,928,762)
9/1/2030	(22,928,762)	(147,524)	2,823,914	(25,900,200)
10/1/2030	(25,900,200)	(166,643)	2,843,068	(28,909,911)
11/1/2030	(28,909,911)	(186,007)	2,843,068	(31,938,986)
12/1/2030	(31,938,986)	(205,496)	2,843,068	(34,987,550)
1/1/2031	(34,987,550)	(225,111)	2,843,068	(38,055,729)
2/1/2031	(38,055,729)	(244,852)	2,843,068	(41,143,649)
3/1/2031	(41,143,649)	(264,719)	2,843,068	(44,251,436)
4/1/2031	(44,251,436)	(284,715)	2,843,068	(47,379,219)
5/1/2031	(47,379,219)	(304,839)	2,843,068	(50,527,126)

Florida Senate Bill 534 adopted in May 2013 requires pension plans to disclose information for publiclyfunded retirement plans. The plan is providing the information above to comply with the requirements of Senate Bill 534. However, the information required by Senate Bill 534 in the projection of plan assets does not include future contributions from the City, employee or State, which is contrary to Florida Statutes, and should not be viewed as an indication of the plan's ability to pay future benefits. The plan follows Florida pension funding rules to maximize the protection of public employee retirement benefits, to assure the plan is funded on a sound financial basis and to assure sufficient assets are available to pay retirement benefits.



Investment Return Assumption

Number of months benefits sustained123Number of years benefits sustained10.2500

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
10/1/2019	215,913,475	1,389,194	2,293,736	215,008,933
11/1/2019	215,008,933	1,383,374	2,293,736	214,098,571
12/1/2019	214,098,571	1,377,517	2,293,736	213,182,352
1/1/2020	213,182,352	1,371,622	2,293,736	212,260,238
2/1/2020	212,260,238	1,365,689	2,293,736	211,332,191
3/1/2020	211,332,191	1,359,718	2,293,736	210,398,173
4/1/2020	210,398,173	1,353,708	2,293,736	209,458,145
5/1/2020	209,458,145	1,347,660	2,293,736	208,512,069
6/1/2020	208,512,069	1,341,573	2,293,736	207,559,906
7/1/2020	207,559,906	1,335,447	2,293,736	206,601,617
8/1/2020	206,601,617	1,329,281	2,293,736	205,637,162
9/1/2020	205,637,162	1,323,076	2,293,736	204,666,502
10/1/2020	204,666,502	1,316,830	2,374,462	203,608,870
11/1/2020	203,608,870	1,310,026	2,374,462	202,544,434
12/1/2020	202,544,434	1,303,177	2,374,462	201,473,149
1/1/2021	201,473,149	1,296,284	2,374,462	200,394,971
2/1/2021	200,394,971	1,289,347	2,374,462	199,309,856
3/1/2021	199,309,856	1,282,366	2,374,462	198,217,760
4/1/2021	198,217,760	1,275,339	2,374,462	197,118,637
5/1/2021	197,118,637	1,268,267	2,374,462	196,012,442
6/1/2021	196,012,442	1,261,150	2,374,462	194,899,130
7/1/2021	194,899,130	1,253,987	2,374,462	193,778,655
8/1/2021	193,778,655	1,246,778	2,374,462	192,650,971
9/1/2021	192,650,971	1,239,522	2,374,462	191,516,031
10/1/2021	191,516,031	1,232,220	2,436,918	190,311,333
11/1/2021	190,311,333	1,224,469	2,436,918	189,098,884
12/1/2021	189,098,884	1,216,668	2,436,918	187,878,634
1/1/2022	187,878,634	1,208,817	2,436,918	186,650,533
2/1/2022	186,650,533	1,200,915	2,436,918	185,414,530
3/1/2022	185,414,530	1,192,963	2,436,918	184,170,575
4/1/2022	184,170,575	1,184,959	2,436,918	182,918,616

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Investment Return Assumption

Number of months benefits sustained123Number of years benefits sustained10.2500

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
5/1/2022	182,918,616	1,176,904	2,436,918	181,658,602
6/1/2022	181,658,602	1,168,797	2,436,918	180,390,481
7/1/2022	180,390,481	1,160,638	2,436,918	179,114,201
8/1/2022	179,114,201	1,152,426	2,436,918	177,829,709
9/1/2022	177,829,709	1,144,162	2,436,918	176,536,953
10/1/2022	176,536,953	1,135,844	2,488,526	175,184,271
11/1/2022	175,184,271	1,127,141	2,488,526	173,822,886
12/1/2022	173,822,886	1,118,382	2,488,526	172,452,742
1/1/2023	172,452,742	1,109,566	2,488,526	171,073,782
2/1/2023	171,073,782	1,100,694	2,488,526	169,685,950
3/1/2023	169,685,950	1,091,765	2,488,526	168,289,189
4/1/2023	168,289,189	1,082,778	2,488,526	166,883,441
5/1/2023	166,883,441	1,073,733	2,488,526	165,468,648
6/1/2023	165,468,648	1,064,630	2,488,526	164,044,752
7/1/2023	164,044,752	1,055,469	2,488,526	162,611,695
8/1/2023	162,611,695	1,046,249	2,488,526	161,169,418
9/1/2023	161,169,418	1,036,969	2,488,526	159,717,861
10/1/2023	159,717,861	1,027,630	2,540,050	158,205,441
11/1/2023	158,205,441	1,017,899	2,540,050	156,683,290
12/1/2023	156,683,290	1,008,105	2,540,050	155,151,345
1/1/2024	155,151,345	998,248	2,540,050	153,609,543
2/1/2024	153,609,543	988,328	2,540,050	152,057,821
3/1/2024	152,057,821	978,345	2,540,050	150,496,116
4/1/2024	150,496,116	968,297	2,540,050	148,924,363
5/1/2024	148,924,363	958,184	2,540,050	147,342,497
6/1/2024	147,342,497	948,006	2,540,050	145,750,453
7/1/2024	145,750,453	937,763	2,540,050	144,148,166
8/1/2024	144,148,166	927,454	2,540,050	142,535,570
9/1/2024	142,535,570	917,078	2,540,050	140,912,598
10/1/2024	140,912,598	906,636	2,650,295	139,168,939
11/1/2024	139,168,939	895,417	2,650,295	137,414,061

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Investment Return Assumption

Number of months benefits sustained123Number of years benefits sustained10.2500

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
12/1/2024	137,414,061	884,126	2,650,295	135,647,892
1/1/2025	135,647,892	872,763	2,650,295	133,870,360
2/1/2025	133,870,360	861,326	2,650,295	132,081,391
3/1/2025	132,081,391	849,816	2,650,295	130,280,912
4/1/2025	130,280,912	838,231	2,650,295	128,468,848
5/1/2025	128,468,848	826,572	2,650,295	126,645,125
6/1/2025	126,645,125	814,839	2,650,295	124,809,669
7/1/2025	124,809,669	803,029	2,650,295	122,962,403
8/1/2025	122,962,403	791,144	2,650,295	121,103,252
9/1/2025	121,103,252	779,182	2,650,295	119,232,139
10/1/2025	119,232,139	767,143	2,698,561	117,300,721
11/1/2025	117,300,721	754,716	2,698,561	115,356,876
12/1/2025	115,356,876	742,210	2,698,561	113,400,525
1/1/2026	113,400,525	729,622	2,698,561	111,431,586
2/1/2026	111,431,586	716,954	2,698,561	109,449,979
3/1/2026	109,449,979	704,204	2,698,561	107,455,622
4/1/2026	107,455,622	691,373	2,698,561	105,448,434
5/1/2026	105,448,434	678,458	2,698,561	103,428,331
6/1/2026	103,428,331	665,461	2,698,561	101,395,231
7/1/2026	101,395,231	652,380	2,698,561	99,349,050
8/1/2026	99,349,050	639,215	2,698,561	97,289,704
9/1/2026	97,289,704	625,965	2,698,561	95,217,108
10/1/2026	95,217,108	612,630	2,735,587	93,094,151
11/1/2026	93,094,151	598,971	2,735,587	90,957,535
12/1/2026	90,957,535	585,224	2,735,587	88,807,172
1/1/2027	88,807,172	571,388	2,735,587	86,642,973
2/1/2027	86,642,973	557,463	2,735,587	84,464,849
3/1/2027	84,464,849	543,449	2,735,587	82,272,711
4/1/2027	82,272,711	529,345	2,735,587	80,066,469
5/1/2027	80,066,469	515,150	2,735,587	77,846,032
6/1/2027	77,846,032	500,864	2,735,587	75,611,309

Florida Senate Bill 534 adopted in May 2013 requires pension plans to disclose information for publiclyfunded retirement plans. The plan is providing the information above to comply with the requirements of Senate Bill 534. However, the information required by Senate Bill 534 in the projection of plan assets does not include future contributions from the City, employee or State, which is contrary to Florida Statutes, and should not be viewed as an indication of the plan's ability to pay future benefits. The plan follows Florida pension funding rules to maximize the protection of public employee retirement benefits, to assure the plan is funded on a sound financial basis and to assure sufficient assets are available to pay retirement benefits.



Investment Return Assumption

Number of months benefits sustained123Number of years benefits sustained10.2500

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
7/1/2027	75,611,309	486,485	2,735,587	73,362,207
8/1/2027	73,362,207	472,015	2,735,587	71,098,635
9/1/2027	71,098,635	457,451	2,735,587	68,820,499
10/1/2027	68,820,499	442,793	2,760,183	66,503,109
11/1/2027	66,503,109	427,883	2,760,183	64,170,809
12/1/2027	64,170,809	412,877	2,760,183	61,823,503
1/1/2028	61,823,503	397,774	2,760,183	59,461,094
2/1/2028	59,461,094	382,574	2,760,183	57,083,485
3/1/2028	57,083,485	367,277	2,760,183	54,690,579
4/1/2028	54,690,579	351,881	2,760,183	52,282,277
5/1/2028	52,282,277	336,386	2,760,183	49,858,480
6/1/2028	49,858,480	320,791	2,760,183	47,419,088
7/1/2028	47,419,088	305,096	2,760,183	44,964,001
8/1/2028	44,964,001	289,300	2,760,183	42,493,118
9/1/2028	42,493,118	273,402	2,760,183	40,006,337
10/1/2028	40,006,337	257,402	2,788,926	37,474,813
11/1/2028	37,474,813	241,114	2,788,926	34,927,001
12/1/2028	34,927,001	224,721	2,788,926	32,362,796
1/1/2029	32,362,796	208,223	2,788,926	29,782,093
2/1/2029	29,782,093	191,619	2,788,926	27,184,786
3/1/2029	27,184,786	174,908	2,788,926	24,570,768
4/1/2029	24,570,768	158,089	2,788,926	21,939,931
5/1/2029	21,939,931	141,162	2,788,926	19,292,167
6/1/2029	19,292,167	124,126	2,788,926	16,627,367
7/1/2029	16,627,367	106,981	2,788,926	13,945,422
8/1/2029	13,945,422	89,725	2,788,926	11,246,221
9/1/2029	11,246,221	72,359	2,788,926	8,529,654
10/1/2029	8,529,654	54,880	2,823,914	5,760,620
11/1/2029	5,760,620	37,064	2,823,914	2,973,770
12/1/2029	2,973,770	19,133	2,823,914	168,989
1/1/2030	168,989	1,087	2,823,914	(2,653,838)

Florida Senate Bill 534 adopted in May 2013 requires pension plans to disclose information for publiclyfunded retirement plans. The plan is providing the information above to comply with the requirements of Senate Bill 534. However, the information required by Senate Bill 534 in the projection of plan assets does not include future contributions from the City, employee or State, which is contrary to Florida Statutes, and should not be viewed as an indication of the plan's ability to pay future benefits. The plan follows Florida pension funding rules to maximize the protection of public employee retirement benefits, to assure the plan is funded on a sound financial basis and to assure sufficient assets are available to pay retirement benefits.



Investment Return Assumption

Number of months benefits sustained 123 Number of years benefits sustained 10.2500

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
2/1/2030	(2,653,838)	(17,075)	2,823,914	(5,494,827)
3/1/2030	(5,494,827)	(35,354)	2,823,914	(8,354,095)
4/1/2030	(8,354,095)	(53,750)	2,823,914	(11,231,759)
5/1/2030	(11,231,759)	(72,265)	2,823,914	(14,127,938)
6/1/2030	(14,127,938)	(90,900)	2,823,914	(17,042,752)
7/1/2030	(17,042,752)	(109,654)	2,823,914	(19,976,320)
8/1/2030	(19,976,320)	(128,528)	2,823,914	(22,928,762)
9/1/2030	(22,928,762)	(147,524)	2,823,914	(25,900,200)
10/1/2030	(25,900,200)	(166,643)	2,843,068	(28,909,911)
11/1/2030	(28,909,911)	(186,007)	2,843,068	(31,938,986)
12/1/2030	(31,938,986)	(205,496)	2,843,068	(34,987,550)
1/1/2031	(34,987,550)	(225,111)	2,843,068	(38,055,729)
2/1/2031	(38,055,729)	(244,852)	2,843,068	(41,143,649)
3/1/2031	(41,143,649)	(264,719)	2,843,068	(44,251,436)
4/1/2031	(44,251,436)	(284,715)	2,843,068	(47,379,219)
5/1/2031	(47,379,219)	(304,839)	2,843,068	(50,527,126)



Investment Return Assumption

Number of months benefits sustained110Number of years benefits sustained9.1667

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
10/1/2019	215,913,475	1,050,970	2,293,736	214,670,709
11/1/2019	214,670,709	1,044,921	2,293,736	213,421,894
12/1/2019	213,421,894	1,038,842	2,293,736	212,167,000
1/1/2020	212,167,000	1,032,734	2,293,736	210,905,998
2/1/2020	210,905,998	1,026,596	2,293,736	209,638,858
3/1/2020	209,638,858	1,020,428	2,293,736	208,365,550
4/1/2020	208,365,550	1,014,230	2,293,736	207,086,044
5/1/2020	207,086,044	1,008,002	2,293,736	205,800,310
6/1/2020	205,800,310	1,001,743	2,293,736	204,508,317
7/1/2020	204,508,317	995,455	2,293,736	203,210,036
8/1/2020	203,210,036	989,135	2,293,736	201,905,435
9/1/2020	201,905,435	982,785	2,293,736	200,594,484
10/1/2020	200,594,484	976,404	2,374,462	199,196,426
11/1/2020	199,196,426	969,599	2,374,462	197,791,563
12/1/2020	197,791,563	962,760	2,374,462	196,379,861
1/1/2021	196,379,861	955,889	2,374,462	194,961,288
2/1/2021	194,961,288	948,984	2,374,462	193,535,810
3/1/2021	193,535,810	942,045	2,374,462	192,103,393
4/1/2021	192,103,393	935,073	2,374,462	190,664,004
5/1/2021	190,664,004	928,067	2,374,462	189,217,609
6/1/2021	189,217,609	921,026	2,374,462	187,764,173
7/1/2021	187,764,173	913,952	2,374,462	186,303,663
8/1/2021	186,303,663	906,843	2,374,462	184,836,044
9/1/2021	184,836,044	899,699	2,374,462	183,361,281
10/1/2021	183,361,281	892,520	2,436,918	181,816,883
11/1/2021	181,816,883	885,003	2,436,918	180,264,968
12/1/2021	180,264,968	877,449	2,436,918	178,705,499
1/1/2022	178,705,499	869,858	2,436,918	177,138,439
2/1/2022	177,138,439	862,230	2,436,918	175,563,751
3/1/2022	175,563,751	854,565	2,436,918	173,981,398
4/1/2022	173,981,398	846,863	2,436,918	172,391,343

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Investment Return Assumption

Number of months benefits sustained110Number of years benefits sustained9.1667

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
5/1/2022	172,391,343	839,124	2,436,918	170,793,549
6/1/2022	170,793,549	831,346	2,436,918	169,187,977
7/1/2022	169,187,977	823,531	2,436,918	167,574,590
8/1/2022	167,574,590	815,678	2,436,918	165,953,350
9/1/2022	165,953,350	807,786	2,436,918	164,324,218
10/1/2022	164,324,218	799,856	2,488,526	162,635,548
11/1/2022	162,635,548	791,637	2,488,526	160,938,659
12/1/2022	160,938,659	783,377	2,488,526	159,233,510
1/1/2023	159,233,510	775,077	2,488,526	157,520,061
2/1/2023	157,520,061	766,737	2,488,526	155,798,272
3/1/2023	155,798,272	758,356	2,488,526	154,068,102
4/1/2023	154,068,102	749,934	2,488,526	152,329,510
5/1/2023	152,329,510	741,472	2,488,526	150,582,456
6/1/2023	150,582,456	732,968	2,488,526	148,826,898
7/1/2023	148,826,898	724,422	2,488,526	147,062,794
8/1/2023	147,062,794	715,836	2,488,526	145,290,104
9/1/2023	145,290,104	707,207	2,488,526	143,508,785
10/1/2023	143,508,785	698,536	2,540,050	141,667,271
11/1/2023	141,667,271	689,573	2,540,050	139,816,794
12/1/2023	139,816,794	680,565	2,540,050	137,957,309
1/1/2024	137,957,309	671,514	2,540,050	136,088,773
2/1/2024	136,088,773	662,419	2,540,050	134,211,142
3/1/2024	134,211,142	653,280	2,540,050	132,324,372
4/1/2024	132,324,372	644,096	2,540,050	130,428,418
5/1/2024	130,428,418	634,867	2,540,050	128,523,235
6/1/2024	128,523,235	625,593	2,540,050	126,608,778
7/1/2024	126,608,778	616,275	2,540,050	124,685,003
8/1/2024	124,685,003	606,911	2,540,050	122,751,864
9/1/2024	122,751,864	597,501	2,540,050	120,809,315
10/1/2024	120,809,315	588,045	2,650,295	118,747,065
11/1/2024	118,747,065	578,007	2,650,295	116,674,777

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Investment Return Assumption

Number of months benefits sustained110Number of years benefits sustained9.1667

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
12/1/2024	116,674,777	567,920	2,650,295	114,592,402
1/1/2025	114,592,402	557,784	2,650,295	112,499,891
2/1/2025	112,499,891	547,599	2,650,295	110,397,195
3/1/2025	110,397,195	537,364	2,650,295	108,284,264
4/1/2025	108,284,264	527,079	2,650,295	106,161,048
5/1/2025	106,161,048	516,744	2,650,295	104,027,497
6/1/2025	104,027,497	506,359	2,650,295	101,883,561
7/1/2025	101,883,561	495,923	2,650,295	99,729,189
8/1/2025	99,729,189	485,437	2,650,295	97,564,331
9/1/2025	97,564,331	474,899	2,650,295	95,388,935
10/1/2025	95,388,935	464,310	2,698,561	93,154,684
11/1/2025	93,154,684	453,435	2,698,561	90,909,558
12/1/2025	90,909,558	442,507	2,698,561	88,653,504
1/1/2026	88,653,504	431,525	2,698,561	86,386,468
2/1/2026	86,386,468	420,491	2,698,561	84,108,398
3/1/2026	84,108,398	409,402	2,698,561	81,819,239
4/1/2026	81,819,239	398,259	2,698,561	79,518,937
5/1/2026	79,518,937	387,062	2,698,561	77,207,438
6/1/2026	77,207,438	375,811	2,698,561	74,884,688
7/1/2026	74,884,688	364,505	2,698,561	72,550,632
8/1/2026	72,550,632	353,144	2,698,561	70,205,215
9/1/2026	70,205,215	341,727	2,698,561	67,848,381
10/1/2026	67,848,381	330,255	2,735,587	65,443,049
11/1/2026	65,443,049	318,547	2,735,587	63,026,009
12/1/2026	63,026,009	306,782	2,735,587	60,597,204
1/1/2027	60,597,204	294,960	2,735,587	58,156,577
2/1/2027	58,156,577	283,080	2,735,587	55,704,070
3/1/2027	55,704,070	271,142	2,735,587	53,239,625
4/1/2027	53,239,625	259,147	2,735,587	50,763,185
5/1/2027	50,763,185	247,092	2,735,587	48,274,690
6/1/2027	48,274,690	234,979	2,735,587	45,774,082

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Investment Return Assumption

Number of months benefits sustained110Number of years benefits sustained9.1667

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
7/1/2027	45,774,082	222,808	2,735,587	43,261,303
8/1/2027	43,261,303	210,577	2,735,587	40,736,293
9/1/2027	40,736,293	198,286	2,735,587	38,198,992
10/1/2027	38,198,992	185,936	2,760,183	35,624,745
11/1/2027	35,624,745	173,405	2,760,183	33,037,967
12/1/2027	33,037,967	160,814	2,760,183	30,438,598
1/1/2028	30,438,598	148,161	2,760,183	27,826,576
2/1/2028	27,826,576	135,447	2,760,183	25,201,840
3/1/2028	25,201,840	122,671	2,760,183	22,564,328
4/1/2028	22,564,328	109,833	2,760,183	19,913,978
5/1/2028	19,913,978	96,932	2,760,183	17,250,727
6/1/2028	17,250,727	83,969	2,760,183	14,574,513
7/1/2028	14,574,513	70,942	2,760,183	11,885,272
8/1/2028	11,885,272	57,852	2,760,183	9,182,941
9/1/2028	9,182,941	44,698	2,760,183	6,467,456
10/1/2028	6,467,456	31,481	2,788,926	3,710,011
11/1/2028	3,710,011	18,059	2,788,926	939,144
12/1/2028	939,144	4,571	2,788,926	(1,845,211)
1/1/2029	(1,845,211)	(8,982)	2,788,926	(4,643,119)
2/1/2029	(4,643,119)	(22,601)	2,788,926	(7,454,646)
3/1/2029	(7,454,646)	(36,286)	2,788,926	(10,279,858)
4/1/2029	(10,279,858)	(50,038)	2,788,926	(13,118,822)
5/1/2029	(13,118,822)	(63,857)	2,788,926	(15,971,605)
6/1/2029	(15,971,605)	(77,743)	2,788,926	(18,838,274)
7/1/2029	(18,838,274)	(91,696)	2,788,926	(21,718,896)
8/1/2029	(21,718,896)	(105,718)	2,788,926	(24,613,540)
9/1/2029	(24,613,540)	(119,808)	2,788,926	(27,522,274)
10/1/2029	(27,522,274)	(133,966)	2,823,914	(30,480,154)
11/1/2029	(30,480,154)	(148,364)	2,823,914	(33,452,432)
12/1/2029	(33,452,432)	(162,831)	2,823,914	(36,439,177)
1/1/2030	(36,439,177)	(177,370)	2,823,914	(39,440,461)

Florida Senate Bill 534 adopted in May 2013 requires pension plans to disclose information for publiclyfunded retirement plans. The plan is providing the information above to comply with the requirements of Senate Bill 534. However, the information required by Senate Bill 534 in the projection of plan assets does not include future contributions from the City, employee or State, which is contrary to Florida Statutes, and should not be viewed as an indication of the plan's ability to pay future benefits. The plan follows Florida pension funding rules to maximize the protection of public employee retirement benefits, to assure the plan is funded on a sound financial basis and to assure sufficient assets are available to pay retirement benefits.



Investment Return Assumption

Number of months benefits sustained 110 Number of years benefits sustained 9.1667

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
2/1/2030	(39,440,461)	(191,978)	2,823,914	(42,456,353)
3/1/2030	(42,456,353)	(206,658)	2,823,914	(45,486,925)
4/1/2030	(45,486,925)	(221,410)	2,823,914	(48,532,249)
5/1/2030	(48,532,249)	(236,233)	2,823,914	(51,592,396)
6/1/2030	(51,592,396)	(251,129)	2,823,914	(54,667,439)
7/1/2030	(54,667,439)	(266,097)	2,823,914	(57,757,450)
8/1/2030	(57,757,450)	(281,137)	2,823,914	(60,862,501)
9/1/2030	(60,862,501)	(296,251)	2,823,914	(63,982,666)
10/1/2030	(63,982,666)	(311,439)	2,843,068	(67,137,173)
11/1/2030	(67,137,173)	(326,794)	2,843,068	(70,307,035)
12/1/2030	(70,307,035)	(342,223)	2,843,068	(73,492,326)
1/1/2031	(73,492,326)	(357,728)	2,843,068	(76,693,122)
2/1/2031	(76,693,122)	(373,308)	2,843,068	(79,909,498)
3/1/2031	(79,909,498)	(388,964)	2,843,068	(83,141,530)
4/1/2031	(83,141,530)	(404,696)	2,843,068	(86,389,294)
5/1/2031	(86,389,294)	(420,504)	2,843,068	(89,652,866)

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Investment Return Assumption

10.00%

Number of months benefits sustained	140
Number of years benefits sustained	11.6667

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
10/1/2019	215,913,475	1,721,724	2,293,736	215,341,463
11/1/2019	215,341,463	1,717,163	2,293,736	214,764,890
12/1/2019	214,764,890	1,712,565	2,293,736	214,183,719
1/1/2020	214,183,719	1,707,931	2,293,736	213,597,914
2/1/2020	213,597,914	1,703,260	2,293,736	213,007,438
3/1/2020	213,007,438	1,698,551	2,293,736	212,412,253
4/1/2020	212,412,253	1,693,805	2,293,736	211,812,322
5/1/2020	211,812,322	1,689,021	2,293,736	211,207,607
6/1/2020	211,207,607	1,684,199	2,293,736	210,598,070
7/1/2020	210,598,070	1,679,339	2,293,736	209,983,673
8/1/2020	209,983,673	1,674,439	2,293,736	209,364,376
9/1/2020	209,364,376	1,669,501	2,293,736	208,740,141
10/1/2020	208,740,141	1,664,523	2,374,462	208,030,202
11/1/2020	208,030,202	1,658,862	2,374,462	207,314,602
12/1/2020	207,314,602	1,653,156	2,374,462	206,593,296
1/1/2021	206,593,296	1,647,404	2,374,462	205,866,238
2/1/2021	205,866,238	1,641,606	2,374,462	205,133,382
3/1/2021	205,133,382	1,635,762	2,374,462	204,394,682
4/1/2021	204,394,682	1,629,872	2,374,462	203,650,092
5/1/2021	203,650,092	1,623,934	2,374,462	202,899,564
6/1/2021	202,899,564	1,617,950	2,374,462	202,143,052
7/1/2021	202,143,052	1,611,917	2,374,462	201,380,507
8/1/2021	201,380,507	1,605,836	2,374,462	200,611,881
9/1/2021	200,611,881	1,599,707	2,374,462	199,837,126
10/1/2021	199,837,126	1,593,529	2,436,918	198,993,737
11/1/2021	198,993,737	1,586,804	2,436,918	198,143,623
12/1/2021	198,143,623	1,580,025	2,436,918	197,286,730
1/1/2022	197,286,730	1,573,192	2,436,918	196,423,004
2/1/2022	196,423,004	1,566,305	2,436,918	195,552,391
3/1/2022	195,552,391	1,559,362	2,436,918	194,674,835
4/1/2022	194,674,835	1,552,364	2,436,918	193,790,281



Investment Return Assumption

10.00%

140

11.6667

Number of months benefits sustained Number of years benefits sustained

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
5/1/2022	193,790,281	1,545,311	2,436,918	192,898,674
6/1/2022	192,898,674	1,538,201	2,436,918	191,999,957
7/1/2022	191,999,957	1,531,035	2,436,918	191,094,074
8/1/2022	191,094,074	1,523,811	2,436,918	190,180,967
9/1/2022	190,180,967	1,516,530	2,436,918	189,260,579
10/1/2022	189,260,579	1,509,190	2,488,526	188,281,243
11/1/2022	188,281,243	1,501,381	2,488,526	187,294,098
12/1/2022	187,294,098	1,493,509	2,488,526	186,299,081
1/1/2023	186,299,081	1,485,575	2,488,526	185,296,130
2/1/2023	185,296,130	1,477,577	2,488,526	184,285,181
3/1/2023	184,285,181	1,469,516	2,488,526	183,266,171
4/1/2023	183,266,171	1,461,390	2,488,526	182,239,035
5/1/2023	182,239,035	1,453,200	2,488,526	181,203,709
6/1/2023	181,203,709	1,444,944	2,488,526	180,160,127
7/1/2023	180,160,127	1,436,622	2,488,526	179,108,223
8/1/2023	179,108,223	1,428,234	2,488,526	178,047,931
9/1/2023	178,047,931	1,419,779	2,488,526	176,979,184
10/1/2023	176,979,184	1,411,257	2,540,050	175,850,391
11/1/2023	175,850,391	1,402,256	2,540,050	174,712,597
12/1/2023	174,712,597	1,393,183	2,540,050	173,565,730
1/1/2024	173,565,730	1,384,038	2,540,050	172,409,718
2/1/2024	172,409,718	1,374,819	2,540,050	171,244,487
3/1/2024	171,244,487	1,365,528	2,540,050	170,069,965
4/1/2024	170,069,965	1,356,162	2,540,050	168,886,077
5/1/2024	168,886,077	1,346,721	2,540,050	167,692,748
6/1/2024	167,692,748	1,337,206	2,540,050	166,489,904
7/1/2024	166,489,904	1,327,614	2,540,050	165,277,468
8/1/2024	165,277,468	1,317,946	2,540,050	164,055,364
9/1/2024	164,055,364	1,308,201	2,540,050	162,823,515
10/1/2024	162,823,515	1,298,378	2,650,295	161,471,598
11/1/2024	161,471,598	1,287,597	2,650,295	160,108,900



Investment Return Assumption

10.00%

Number of months benefits sustained	140
Number of years benefits sustained	11.6667

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
12/1/2024	160,108,900	1,276,731	2,650,295	158,735,336
1/1/2025	158,735,336	1,265,778	2,650,295	157,350,819
2/1/2025	157,350,819	1,254,738	2,650,295	155,955,262
3/1/2025	155,955,262	1,243,609	2,650,295	154,548,576
4/1/2025	154,548,576	1,232,392	2,650,295	153,130,673
5/1/2025	153,130,673	1,221,085	2,650,295	151,701,463
6/1/2025	151,701,463	1,209,689	2,650,295	150,260,857
7/1/2025	150,260,857	1,198,201	2,650,295	148,808,763
8/1/2025	148,808,763	1,186,622	2,650,295	147,345,090
9/1/2025	147,345,090	1,174,950	2,650,295	145,869,745
10/1/2025	145,869,745	1,163,186	2,698,561	144,334,370
11/1/2025	144,334,370	1,150,943	2,698,561	142,786,752
12/1/2025	142,786,752	1,138,602	2,698,561	141,226,793
1/1/2026	141,226,793	1,126,162	2,698,561	139,654,394
2/1/2026	139,654,394	1,113,624	2,698,561	138,069,457
3/1/2026	138,069,457	1,100,985	2,698,561	136,471,881
4/1/2026	136,471,881	1,088,246	2,698,561	134,861,566
5/1/2026	134,861,566	1,075,405	2,698,561	133,238,410
6/1/2026	133,238,410	1,062,462	2,698,561	131,602,311
7/1/2026	131,602,311	1,049,415	2,698,561	129,953,165
8/1/2026	129,953,165	1,036,265	2,698,561	128,290,869
9/1/2026	128,290,869	1,023,009	2,698,561	126,615,317
10/1/2026	126,615,317	1,009,648	2,735,587	124,889,378
11/1/2026	124,889,378	995,885	2,735,587	123,149,676
12/1/2026	123,149,676	982,013	2,735,587	121,396,102
1/1/2027	121,396,102	968,030	2,735,587	119,628,545
2/1/2027	119,628,545	953,935	2,735,587	117,846,893
3/1/2027	117,846,893	939,728	2,735,587	116,051,034
4/1/2027	116,051,034	925,407	2,735,587	114,240,854
5/1/2027	114,240,854	910,973	2,735,587	112,416,240
6/1/2027	112,416,240	896,423	2,735,587	110,577,076



Investment Return Assumption

10.00%

Number of months benefits sustained	140
Number of years benefits sustained	11.6667

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
7/1/2027	110,577,076	881,757	2,735,587	108,723,246
8/1/2027	108,723,246	866,974	2,735,587	106,854,633
9/1/2027	106,854,633	852,074	2,735,587	104,971,120
10/1/2027	104,971,120	837,054	2,760,183	103,047,991
11/1/2027	103,047,991	821,719	2,760,183	101,109,527
12/1/2027	101,109,527	806,262	2,760,183	99,155,606
1/1/2028	99,155,606	790,681	2,760,183	97,186,104
2/1/2028	97,186,104	774,976	2,760,183	95,200,897
3/1/2028	95,200,897	759,145	2,760,183	93,199,859
4/1/2028	93,199,859	743,189	2,760,183	91,182,865
5/1/2028	91,182,865	727,105	2,760,183	89,149,787
6/1/2028	89,149,787	710,893	2,760,183	87,100,497
7/1/2028	87,100,497	694,552	2,760,183	85,034,866
8/1/2028	85,034,866	678,080	2,760,183	82,952,763
9/1/2028	82,952,763	661,477	2,760,183	80,854,057
10/1/2028	80,854,057	644,742	2,788,926	78,709,873
11/1/2028	78,709,873	627,644	2,788,926	76,548,591
12/1/2028	76,548,591	610,409	2,788,926	74,370,074
1/1/2029	74,370,074	593,037	2,788,926	72,174,185
2/1/2029	72,174,185	575,527	2,788,926	69,960,786
3/1/2029	69,960,786	557,877	2,788,926	67,729,737
4/1/2029	67,729,737	540,086	2,788,926	65,480,897
5/1/2029	65,480,897	522,154	2,788,926	63,214,125
6/1/2029	63,214,125	504,078	2,788,926	60,929,277
7/1/2029	60,929,277	485,859	2,788,926	58,626,210
8/1/2029	58,626,210	467,494	2,788,926	56,304,778
9/1/2029	56,304,778	448,982	2,788,926	53,964,834
10/1/2029	53,964,834	430,323	2,823,914	51,571,243
11/1/2029	51,571,243	411,236	2,823,914	49,158,565
12/1/2029	49,158,565	391,997	2,823,914	46,726,648
1/1/2030	46,726,648	372,605	2,823,914	44,275,339



Investment Return Assumption

10.00%

Number of months benefits sustained	140
Number of years benefits sustained	11.6667

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
2/1/2030	44,275,339	353,058	2,823,914	41,804,483
3/1/2030	41,804,483	333,355	2,823,914	39,313,924
4/1/2030	39,313,924	313,495	2,823,914	36,803,505
5/1/2030	36,803,505	293,476	2,823,914	34,273,067
6/1/2030	34,273,067	273,298	2,823,914	31,722,451
7/1/2030	31,722,451	252,959	2,823,914	29,151,496
8/1/2030	29,151,496	232,458	2,823,914	26,560,040
9/1/2030	26,560,040	211,793	2,823,914	23,947,919
10/1/2030	23,947,919	190,964	2,843,068	21,295,815
11/1/2030	21,295,815	169,816	2,843,068	18,622,563
12/1/2030	18,622,563	148,499	2,843,068	15,927,994
1/1/2031	15,927,994	127,012	2,843,068	13,211,938
2/1/2031	13,211,938	105,354	2,843,068	10,474,224
3/1/2031	10,474,224	83,523	2,843,068	7,714,679
4/1/2031	7,714,679	61,518	2,843,068	4,933,129
5/1/2031	4,933,129	39,337	2,843,068	2,129,398
6/1/2031	2,129,398	16,980	2,843,068	(696,690)
7/1/2031	(696,690)	(5,556)	2,843,068	(3,545,314)
8/1/2031	(3,545,314)	(28,271)	2,843,068	(6,416,653)
9/1/2031	(6,416,653)	(51,167)	2,843,068	(9,310,888)
10/1/2031	(9,310,888)	(74,246)	2,860,870	(12,246,004)
11/1/2031	(12,246,004)	(97,651)	2,860,870	(15,204,525)
12/1/2031	(15,204,525)	(121,243)	2,860,870	(18,186,638)
1/1/2032	(18,186,638)	(145,023)	2,860,870	(21,192,531)
2/1/2032	(21,192,531)	(168,992)	2,860,870	(24,222,393)
3/1/2032	(24,222,393)	(193,153)	2,860,870	(27,276,416)
4/1/2032	(27,276,416)	(217,506)	2,860,870	(30,354,792)
5/1/2032	(30,354,792)	(242,053)	2,860,870	(33,457,715)
6/1/2032	(33,457,715)	(266,797)	2,860,870	(36,585,382)
7/1/2032	(36,585,382)	(291,737)	2,860,870	(39,737,989)
8/1/2032	(39,737,989)	(316,876)	2,860,870	(42,915,735)



Investment Return Assumption

Number of months benefits sustained140Number of years benefits sustained11.6667

	Market Value of Assets		Expected Benefit	Market Value of Assets
Date	Beginning of Month	Interest	Payments	End of Month
9/1/2032	(42,915,735)	(342,216)	2,860,870	(46,118,821)
10/1/2032	(46,118,821)	(367,758)	2,874,731	(49,361,310)
11/1/2032	(49,361,310)	(393,614)	2,874,731	(52,629,655)
12/1/2032	(52,629,655)	(419,676)	2,874,731	(55,924,062)
1/1/2033	(55,924,062)	(445,946)	2,874,731	(59,244,739)
2/1/2033	(59,244,739)	(472,426)	2,874,731	(62,591,896)
3/1/2033	(62,591,896)	(499,117)	2,874,731	(65,965,744)
4/1/2033	(65,965,744)	(526,020)	2,874,731	(69,366,495)

10.00%