

CITY OF BARTOW
MUNICIPAL FIREFIGHTERS' RETIREMENT TRUST FUND

SECTION 112.664, FLORIDA STATUTES COMPLIANCE
DETERMINED AS OF THE
OCTOBER 1, 2023 VALUATION DATE



May 20, 2024

VIA E-MAIL

Ms. Siera Feketa, Plan Administrator
City of Bartow
Municipal Firefighters' Retirement Trust Fund
2503 Del Prado Blvd. S., Suite 502
Cape Coral, FL 33904

Re: City of Bartow Municipal Firefighters' Retirement Trust Fund
Section 112.664, Florida Statutes Compliance

Dear Siera:

Please find enclosed the annual disclosures that satisfy the October 1, 2023 financial reporting requirements made under Section 112.664.

Our office will submit this information electronically to the Department of Management Services. However, it is important for you to be aware that this report must also be made available on the Plan or Plan Sponsor's website, if such website exists. A deadline for this website publication is not made clear in the law.

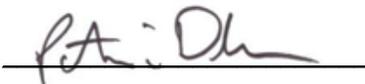
In addition to the enclosed report, the Plan or Plan Sponsor's website must provide a link to the Division of Retirement's Actuarial Summary Fact Sheet for the Plan, and also report the previous five years' assumed and actual rates of return, along with their respective asset allocations. The Board should contact its Investment Consultant for this information.

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.

If there are any questions, concerns, or comments about any of the items contained in this report, please feel free to contact me.

Respectfully submitted,

Foster & Foster, Inc.

By: 

Patrick T. Donlan, EA, ASA, MAAA
Enrolled Actuary #23-6595

Enclosures

cc via email: Ron Cohen, Board Attorney

When reviewing the following schedules, please note the following:

- 1) The purpose of producing this report is solely to satisfy the requirements set forth by Section 112.664, Florida Statutes, and is mandatory for every Florida public pension fund, excluding the Florida Retirement System (FRS).
- 2) None of the schedules shown have any impact on the funding requirements of the Plan. These schedules are for statutory compliance purposes only.
- 3) In the schedules that follow, the columns labeled “ACTUAL” represent the final recorded GASB 67/68 results. The columns labeled “HYPOTHETICAL” illustrate what the results would have been if different assumptions were used.
- 4) It is our opinion that the Plan’s actual assumptions utilized in the October 1, 2023 Actuarial Valuation Report, as adopted by the Board of Trustees, are reasonable individually and in the aggregate, and represent our best estimate of future Plan experience.
- 5) The “Number of Years Expected Benefit Payments Sustained” calculated in Section II: Asset Sustainability should not be interpreted as the number of years the Plan has left until it is insolvent. This calculation is required by 112.664, Florida Statutes, but the numeric result is irrelevant, since in its calculation we are to assume there will be no further contributions to the Fund. As long as the Actuarially Determined Contribution is made each year the Plan will never become insolvent.

SCHEDULE OF CHANGES IN NET PENSION LIABILITY
FISCAL YEAR SEPTEMBER 30, 2023

	<u>ACTUAL</u>	<u>HYPOTHETICAL</u>	<u>HYPOTHETICAL</u>
Discount Rate:	7.25%	5.25%	9.25%
<u>Total Pension Liability</u>			
Service Cost	228,586	387,513	138,815
Interest	1,064,458	982,799	1,101,273
Changes of Benefit Terms	-	-	-
Differences Between Expected and Actual Experience	516,409	778,774	339,767
Changes of Assumptions	-	-	-
Benefit Payments, Including Refunds of Employee Contributions	(707,281)	(707,281)	(707,281)
Net Change in Total Pension Liability	1,102,172	1,441,805	872,574
Total Pension Liability - Beginning	14,807,236	18,686,104	12,120,482
Total Pension Liability - Ending (a)	<u>\$ 15,909,408</u>	<u>\$ 20,127,909</u>	<u>\$ 12,993,056</u>
<u>Plan Fiduciary Net Position</u>			
Contributions - Employer	428,571	428,571	428,571
Contributions - State	166,008	166,008	166,008
Contributions - Employee	28,799	28,799	28,799
Net Investment Income	1,289,611	1,289,611	1,289,611
Benefit Payments, Including Refunds of Employee Contributions	(707,281)	(707,281)	(707,281)
Administrative Expenses	(76,076)	(76,076)	(76,076)
Net Change in Plan Fiduciary Net Position	1,129,632	1,129,632	1,129,632
Plan Fiduciary Net Position - Beginning	11,555,736	11,555,736	11,555,736
Plan Fiduciary Net Position - Ending (b)	<u>\$ 12,685,368</u>	<u>\$ 12,685,368</u>	<u>\$ 12,685,368</u>
Net Pension Liability - Ending (a) - (b)	<u>\$ 3,224,040</u>	<u>\$ 7,442,541</u>	<u>\$ 307,688</u>

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 1
Plan Assumptions: Discount Rate = 7.25%

Fiscal Year Beginning 10/1	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments*	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2023	12,677,839	-	1,026,435	-	881,935	12,533,339
2024	12,533,339	-	1,030,548	-	871,310	12,374,101
2025	12,374,101	-	1,029,037	-	859,820	12,204,884
2026	12,204,884	-	1,037,824	-	847,233	12,014,293
2027	12,014,293	-	1,046,375	-	833,105	11,801,023
2028	11,801,023	-	1,052,263	-	817,430	11,566,190
2029	11,566,190	-	1,058,568	-	800,176	11,307,798
2030	11,307,798	-	1,206,280	-	776,088	10,877,606
2031	10,877,606	-	1,197,560	-	745,215	10,425,261
2032	10,425,261	-	1,203,035	-	712,221	9,934,447
2033	9,934,447	-	1,173,634	-	677,703	9,438,516
2034	9,438,516	-	1,169,677	-	641,892	8,910,731
2035	8,910,731	-	1,169,857	-	603,621	8,344,495
2036	8,344,495	-	1,185,011	-	562,019	7,721,503
2037	7,721,503	-	1,170,192	-	517,390	7,068,701
2038	7,068,701	-	1,168,698	-	470,116	6,370,119
2039	6,370,119	-	1,160,300	-	419,773	5,629,592
2040	5,629,592	-	1,145,909	-	366,606	4,850,289
2041	4,850,289	-	1,159,897	-	309,600	3,999,992
2042	3,999,992	-	1,144,494	-	248,512	3,104,010
2043	3,104,010	-	1,122,029	-	184,367	2,166,348
2044	2,166,348	-	1,099,984	-	117,186	1,183,550
2045	1,183,550	-	1,084,984	-	46,477	145,043
2046	145,043	-	1,053,811	-	-	-

Number of Years Expected Benefit Payments Sustained: 23.14

This projection assumes no further contributions, assumes no further benefit accruals, and assumes Market Value of Assets earn 7.25% interest.

It is important to note that as long as the Actuarially Determined Contribution is made each year, the Plan will never become insolvent. Furthermore, State and local laws mandate that the Actuarially Determined Contribution be made each year.

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 2
Hypothetical Assumptions: Discount Rate = 5.25%

Fiscal Year Beginning 10/1	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments*	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2023	12,677,839	-	1,026,435	-	638,643	12,290,047
2024	12,290,047	-	1,030,548	-	618,176	11,877,675
2025	11,877,675	-	1,029,037	-	596,566	11,445,204
2026	11,445,204	-	1,037,824	-	573,630	10,981,010
2027	10,981,010	-	1,046,375	-	549,036	10,483,671
2028	10,483,671	-	1,052,263	-	522,771	9,954,179
2029	9,954,179	-	1,058,568	-	494,807	9,390,418
2030	9,390,418	-	1,206,280	-	461,332	8,645,470
2031	8,645,470	-	1,197,560	-	422,451	7,870,361
2032	7,870,361	-	1,203,035	-	381,614	7,048,940
2033	7,048,940	-	1,173,634	-	339,261	6,214,567
2034	6,214,567	-	1,169,677	-	295,561	5,340,451
2035	5,340,451	-	1,169,857	-	249,665	4,420,259
2036	4,420,259	-	1,185,011	-	200,957	3,436,205
2037	3,436,205	-	1,170,192	-	149,683	2,415,696
2038	2,415,696	-	1,168,698	-	96,146	1,343,144
2039	1,343,144	-	1,160,300	-	40,057	222,901
2040	222,901	-	1,145,909	-	-	-

Number of Years Expected Benefit Payments Sustained: 17.19

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

It is important to note that as long as the Actuarially Determined Contribution is made each year, the Plan will never become insolvent. Furthermore, State and local laws mandate that the Actuarially Determined Contribution be made each year.

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 3
Hypothetical Assumptions: Discount Rate = 9.25%

Fiscal Year Beginning 10/1	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments*	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2023	12,677,839	-	1,026,435	-	1,125,227	12,776,631
2024	12,776,631	-	1,030,548	-	1,134,176	12,880,259
2025	12,880,259	-	1,029,037	-	1,143,831	12,995,053
2026	12,995,053	-	1,037,824	-	1,154,043	13,111,272
2027	13,111,272	-	1,046,375	-	1,164,398	13,229,295
2028	13,229,295	-	1,052,263	-	1,175,043	13,352,075
2029	13,352,075	-	1,058,568	-	1,186,108	13,479,615
2030	13,479,615	-	1,206,280	-	1,191,074	13,464,409
2031	13,464,409	-	1,197,560	-	1,190,071	13,456,920
2032	13,456,920	-	1,203,035	-	1,189,125	13,443,010
2033	13,443,010	-	1,173,634	-	1,189,198	13,458,574
2034	13,458,574	-	1,169,677	-	1,190,821	13,479,718
2035	13,479,718	-	1,169,857	-	1,192,768	13,502,629
2036	13,502,629	-	1,185,011	-	1,194,186	13,511,804
2037	13,511,804	-	1,170,192	-	1,195,720	13,537,332
2038	13,537,332	-	1,168,698	-	1,198,151	13,566,785
2039	13,566,785	-	1,160,300	-	1,201,264	13,607,749
2040	13,607,749	-	1,145,909	-	1,205,718	13,667,558
2041	13,667,558	-	1,159,897	-	1,210,604	13,718,265
2042	13,718,265	-	1,144,494	-	1,216,007	13,789,778
2043	13,789,778	-	1,122,029	-	1,223,661	13,891,410
2044	13,891,410	-	1,099,984	-	1,234,081	14,025,507
2045	14,025,507	-	1,084,984	-	1,247,179	14,187,702
2046	14,187,702	-	1,053,811	-	1,263,624	14,397,515
2047	14,397,515	-	1,024,351	-	1,284,394	14,657,558
2048	14,657,558	-	989,630	-	1,310,054	14,977,982
2049	14,977,982	-	952,342	-	1,341,418	15,367,058
2050	15,367,058	-	912,634	-	1,379,244	15,833,668
2051	15,833,668	-	870,687	-	1,424,345	16,387,326
2052	16,387,326	-	828,149	-	1,477,526	17,036,703
2053	17,036,703	-	785,012	-	1,539,588	17,791,279
2054	17,791,279	-	741,186	-	1,611,413	18,661,506
2055	18,661,506	-	696,924	-	1,693,957	19,658,539
2056	19,658,539	-	653,538	-	1,788,189	20,793,190
2057	20,793,190	-	610,636	-	1,895,128	22,077,682
2058	22,077,682	-	568,871	-	2,015,875	23,524,686
2059	23,524,686	-	528,491	-	2,151,591	25,147,786
2060	25,147,786	-	489,731	-	2,303,520	26,961,575
2061	26,961,575	-	452,780	-	2,473,005	28,981,800
2062	28,981,800	-	417,860	-	2,661,490	31,225,430
2063	31,225,430	-	384,979	-	2,870,547	33,710,998
2064	33,710,998	-	354,110	-	3,101,890	36,458,778
2065	36,458,778	-	325,221	-	3,357,395	39,490,952
2066	39,490,952	-	298,247	-	3,639,119	42,831,824
2067	42,831,824	-	273,121	-	3,949,312	46,508,015
2068	46,508,015	-	249,773	-	4,290,439	50,548,681
2069	50,548,681	-	228,136	-	4,665,202	54,985,747
2070	54,985,747	-	208,145	-	5,076,555	59,854,157
2071	59,854,157	-	189,716	-	5,527,735	65,192,176
2072	65,192,176	-	172,746	-	6,022,287	71,041,717
2073	71,041,717	-	157,100	-	6,564,093	77,448,710

PROJECTION OF THE NUMBER OF YEARS ASSETS WILL SUSTAIN BENEFIT PAYMENTS

Table 3
Hypothetical Assumptions: Discount Rate = 9.25%

Fiscal Year Beginning 10/1	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments*	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2074	77,448,710	-	142,618	-	7,157,410	84,463,502
2075	84,463,502	-	129,163	-	7,806,900	92,141,239
2076	92,141,239	-	116,655	-	8,517,669	100,542,253
2077	100,542,253	-	105,059	-	9,295,299	109,732,493
2078	109,732,493	-	94,353	-	10,145,892	119,784,032
2079	119,784,032	-	84,519	-	11,076,114	130,775,627
2080	130,775,627	-	75,520	-	12,093,253	142,793,360
2081	142,793,360	-	67,299	-	13,205,273	155,931,334
2082	155,931,334	-	59,804	-	14,420,882	170,292,412
2083	170,292,412	-	52,979	-	15,749,598	185,989,031
2084	185,989,031	-	46,775	-	17,201,822	203,144,078
2085	203,144,078	-	41,138	-	18,788,925	221,891,865
2086	221,891,865	-	36,017	-	20,523,332	242,379,180
2087	242,379,180	-	31,382	-	22,418,623	264,766,421
2088	264,766,421	-	27,203	-	24,489,636	289,228,854
2089	289,228,854	-	23,451	-	26,752,584	315,957,987
2090	315,957,987	-	20,082	-	29,225,185	345,163,090
2091	345,163,090	-	17,056	-	31,926,797	377,072,831
2092	377,072,831	-	14,341	-	34,878,574	411,937,064
2093	411,937,064	-	11,918	-	38,103,627	450,028,773
2094	450,028,773	-	9,776	-	41,627,209	491,646,206
2095	491,646,206	-	7,904	-	45,476,908	537,115,210
2096	537,115,210	-	6,288	-	49,682,866	586,791,788
2097	586,791,788	-	4,915	-	54,278,013	641,064,886
2098	641,064,886	-	3,773	-	59,298,327	700,359,440
2099	700,359,440	-	2,840	-	64,783,117	765,139,717
2100	765,139,717	-	2,095	-	70,775,327	835,912,949
2101	835,912,949	-	1,513	-	77,321,878	913,233,314
2102	913,233,314	-	1,069	-	84,474,032	997,706,277
2103	997,706,277	-	739	-	92,287,796	1,089,993,334
2104	1,089,993,334	-	501	-	100,824,360	1,190,817,193
2105	1,190,817,193	-	333	-	110,150,575	1,300,967,435
2106	1,300,967,435	-	218	-	120,339,478	1,421,306,695
2107	1,421,306,695	-	141	-	131,470,863	1,552,777,417
2108	1,552,777,417	-	90	-	143,631,907	1,696,409,234
2109	1,696,409,234	-	56	-	156,917,852	1,853,327,030
2110	1,853,327,030	-	34	-	171,432,749	2,024,759,745
2111	2,024,759,745	-	20	-	187,290,275	2,212,050,000
2112	2,212,050,000	-	12	-	204,614,624	2,416,664,612
2113	2,416,664,612	-	7	-	223,541,476	2,640,206,081
2114	2,640,206,081	-	4	-	244,219,062	2,884,425,139
2115	2,884,425,139	-	2	-	266,809,325	3,151,234,462
2116	3,151,234,462	-	1	-	291,489,188	3,442,723,649
2117	3,442,723,649	-	1	-	318,451,937	3,761,175,585

Number of Years Expected Benefit Payments Sustained: 999.99

This projection assumes no further contributions, assumes no further benefit accruals, and assumes Market Value of Assets earn 9.25% interest.

It is important to note that as long as the Actuarially Determined Contribution is made each year, the Plan will never become insolvent. Furthermore, State and local laws mandate that the Actuarially Determined Contribution be made each year.

ACTUAL AND HYPOTHETICAL CONTRIBUTIONS APPLICABLE TO THE FISCAL YEAR
ENDING SEPTEMBER 30, 2025

Valuation Date: 10/1/2023

	ACTUAL	HYPOTHETICAL	HYPOTHETICAL
Investment Rate of Return:	7.25%	5.25%	9.25%
Minimum Required Contribution (Fixed \$)	\$666,825	\$1,126,739	\$294,133
Minimum Required Contribution (% of Payroll)	54.3%	91.8%	23.9%
Expected Member Contribution	24,552	24,552	24,552
Expected State Money	166,008	166,008	166,008
Expected Sponsor Contribution (Fixed \$)	\$476,265	\$936,179	\$103,573
Expected Sponsor Contribution (% of Payroll)	38.8%	76.3%	8.4%

ASSETS

Actuarial Value	13,936,632	13,936,632	13,936,632
Market Value	12,677,839	12,677,839	12,677,839

LIABILITIES

Present Value of Benefits			
Actives			
Retirement Benefits	9,413,570	13,839,558	6,828,864
Disability Benefits	70,225	103,558	50,092
Death Benefits	28,724	40,045	21,162
Vested Benefits	718,905	1,312,074	417,824
Refund of Contributions	4,726	4,954	4,517
Service Retirees	7,777,712	9,451,887	6,571,294
Beneficiaries	560,971	645,942	494,445
Disability Retirees	151,201	177,679	131,020
Terminated Vested	136,598	209,702	93,064
Total:	18,862,632	25,785,399	14,612,282
Present Value of Future Salaries	11,886,722	13,606,277	10,540,383
Present Value of Future Member Contributions	237,734	272,126	210,808
Total Normal Cost	266,218	460,824	158,606
Present Value of Future Normal Costs (Entry Age Normal)	2,483,075	4,926,245	1,310,531
Total Actuarial Accrued Liability (EAN)	16,379,557	20,859,154	13,301,751
Unfunded Actuarial Accrued Liability (UAAL)	2,442,925	6,922,522	(634,881)

ACTUAL AND HYPOTHETICAL CONTRIBUTIONS APPLICABLE TO THE FISCAL YEAR
ENDING SEPTEMBER 30, 2025

Valuation Date: 10/1/2023

	<u>ACTUAL</u>	<u>HYPOTHETICAL</u>	<u>HYPOTHETICAL</u>
Investment Rate of Return:	7.25%	5.25%	9.25%
<u>PENSION COST</u>			
Normal Cost (with interest)	275,868	472,921	165,942
Administrative Expenses (with interest)	82,788	81,989	83,587
Payment Required To Amortize UAAL (with interest)	<u>308,169</u>	<u>571,829</u>	<u>44,604</u>
Minimum Required Contribution	\$666,825	\$1,126,739	\$294,133

¹ The asset values and liabilities include accumulated Share Plan Balances as of 9/30/2023.