

# City of Tamarac Police Officers' Pension Trust Fund

Chapter 112.664, F.S. Compliance Report

In Connection with the October 1, 2021 Funding  
Actuarial Valuation Report and the Plan's Financial  
Reporting for the Year Ending September 30, 2021





March 18, 2022

Board of Trustees  
City of Tamarac Police Officers' Pension Trust Fund  
Tamarac, Florida

**Re: 2021 Chapter 112.664, F.S. Compliance Report**

Dear Board Members:

Gabriel, Roeder, Smith & Company (GRS) has been engaged by the City of Tamarac Police Officers' Pension Trust Fund (Plan) to prepare a disclosure report to satisfy the requirements set forth in Ch. 112.664, F.S. and as further required pursuant to Ch. 60T-1.0035, F.A.C.

This report was prepared at the request of the Board and is intended for use by the Retirement System and those designated or approved by the Board. This report may be provided to parties other than the System only in its entirety and only with the permission of the Board.

The purpose of the report is to provide the required information specified in Ch. 112.664, F.S. as well as supplement this information with additional exhibits. This report should not be relied on for any purpose other than the purpose described above.

The findings in this report are based on data or other information through September 30, 2021. Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law. The scope of this engagement does not include an analysis of the potential range of such measurements.

This report was based upon information furnished by the Plan Administrator concerning Retirement Plan benefits, financial transactions, plan provisions and active members, terminated members, retirees and beneficiaries. We checked for internal and year-to-year consistency, but did not audit the data. We are not responsible for the accuracy or completeness of the information provided by the Plan Administrator.

Except as otherwise indicated as required for the disclosures contained herein, this report was prepared using certain assumptions selected by the Board as described in our October 1, 2021 actuarial valuation report. This report is also based on the Plan Provisions, census data, and financial information as summarized in our October 1, 2021 actuarial valuation report. Please refer to the October 1, 2021 actuarial valuation report, dated February 10, 2022 for summaries and descriptions of this information.

The use of an investment return assumption that is 2% higher than the investment return assumption used to determine the funding requirements does not represent an estimate of future Plan experience nor does it reflect an observation of future return estimates inherent in financial market data. The use of this investment return assumption is provided as a counterpart to the Chapter 112.664, Florida Statutes requirement to utilize an investment return assumption that is 2% lower than the assumption used to determine the funding requirements. The inclusion of the additional exhibits showing the effect of using a 2% higher investment return assumption shows a more complete assessment of the range of possible results as opposed to showing a one-sided range as required by Florida Statutes.

This report was prepared using our proprietary valuation model and related software which in our professional judgment has the capability to provide results that are consistent with the purposes of the valuation and has no material limitations or known weaknesses. We performed tests to ensure that the model reasonably represents that which is intended to be modeled.

This report has been prepared by actuaries who have substantial experience valuing public employee retirement systems. To the best of our knowledge the information contained in this report is accurate and fairly presents the actuarial position of the Retirement Plan as of the valuation date. All calculations have been made in conformity with generally accepted actuarial principles and practices, with the Actuarial Standards of Practice issued by the Actuarial Standards Board and with applicable statutes.

Theora Braccialarghe and Nicolas Lahaye are members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein. The signing actuaries are independent of the plan sponsor.

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 us or under our direct supervision, and we acknowledge responsibility for the results. To the best of our knowledge, the results are complete and accurate, and in our opinion, meet the requirements of Section 112.664(1), F.S. and Section 60T-1.0035, F.A.C.

Respectfully submitted,

GABRIEL, ROEDER, SMITH & COMPANY

By Theora Braccialarghe

Theora P. Braccialarghe, FSA, MAAA, FCA  
Enrolled Actuary No. 20-2826  
Senior Consultant & Actuary

By Nicolas Lahaye

Nicolas Lahaye, FSA, MAAA, FCA  
Enrolled Actuary No. 20-7775  
Consultant & Actuary



## TABLE OF CONTENTS

<u>Title</u>	<u>Page</u>
Ch. 112.664, F.S. Results	
Schedule of Changes in Net Pension Liability	
1. Using financial reporting assumptions per GASB Statement No. 67	1
2. Using assumptions prescribed in Section 112.664(1)(a), F.S.	2
3. Using assumptions prescribed in Section 112.664(1)(b), F.S.	3
4. Using the mandated mortality and funding interest rate +2%	4
Assets Versus Benefit Payments Projections	
1. Using assumptions from the Plan's latest actuarial valuation	5
2. Using assumptions prescribed in Section 112.664(1)(a), F.S.	6
3. Using assumptions prescribed in Section 112.664(1)(b), F.S.	7
4. Using the mandated mortality and funding interest rate +2%	8
Actuarially Determined Contribution	9



**CH. 112.664, FLORIDA STATUTES**

---

**RESULTS**

**Schedule of Changes in the Employers' Net Pension Liability  
Using Financial Reporting Assumptions per GASB Statement No. 67**

Fiscal year ending September 30,

**1. Total pension liability**

	<u><b>2021</b></u>
a. Service Cost	\$ -
b. Interest	545,283
c. Benefit Changes	-
d. Difference between actual & expected experience & Other	577,720
e. Assumption Changes	(194,563)
f. Benefit Payments	(1,345,188)
g. Contribution Refunds	-
<b>h. Net Change in Total Pension Liability</b>	<u>(416,748)</u>
<b>i. Total Pension Liability - Beginning</b>	<u>9,284,184</u>
<b>j. Total Pension Liability - Ending</b>	<u><u>\$ 8,867,436</u></u>

**2. Plan Fiduciary Net Position**

a. Contributions - Employer	\$ 637,886
b. Contributions - State	233,874
c. Contributions - Member	-
d. Net Investment Income	1,059,372
e. Benefit Payments	(1,345,188)
f. Contribution Refunds	-
g. Administrative Expense	(67,658)
h. Other	397,855
<b>i. Net Change in Plan Fiduciary Net Position</b>	<u>916,141</u>
<b>j. Plan Fiduciary Net Position - Beginning</b>	<u>5,876,462</u>
<b>k. Plan Fiduciary Net Position - Ending</b>	<u><u>\$ 6,792,603</u></u>

**3. Net Pension Liability / (Asset)** 2,074,833

**Certain Key Assumptions**

Valuation Date	10/01/2020
Measurement Date	09/30/2021
Investment Return Assumption	6.00%
Mortality Table	FRS Mortality - Special Risk Class (7/1/2019 Valuation)



**Schedule of Changes in the Employers' Net Pension Liability  
Using Assumptions required under 112.664(1)(a), F.S.**

Fiscal year ending September 30,

	<u>2021</u>
<b>1. Total pension liability</b>	
a. Service Cost	\$ -
b. Interest	545,283
c. Benefit Changes	-
d. Difference between actual & expected experience & Other	577,720
e. Assumption Changes	(194,563)
f. Benefit Payments	(1,345,188)
g. Contribution Refunds	-
<b>h. Net Change in Total Pension Liability</b>	<u>(416,748)</u>
<b>i. Total Pension Liability - Beginning</b>	<u>9,284,184</u>
<b>j. Total Pension Liability - Ending</b>	<u>\$ 8,867,436</u>
<b>2. Plan Fiduciary Net Position</b>	
a. Contributions - Employer	\$ 637,886
b. Contributions - State	233,874
c. Contributions - Member	-
d. Net Investment Income	1,059,372
e. Benefit Payments	(1,345,188)
f. Contribution Refunds	-
g. Administrative Expense	(67,658)
h. Other	397,855
<b>i. Net Change in Plan Fiduciary Net Position</b>	<u>916,141</u>
<b>j. Plan Fiduciary Net Position - Beginning</b>	<u>5,876,462</u>
<b>k. Plan Fiduciary Net Position - Ending</b>	<u>\$ 6,792,603</u>
<b>3. Net Pension Liability / (Asset)</b>	2,074,833
<b>Certain Key Assumptions</b>	
Valuation Date	10/01/2020
Measurement Date	09/30/2021
Investment Return Assumption	6.00%
Mortality Table	FRS Mortality - Special Risk Class (7/1/2019 Valuation)



**Schedule of Changes in the Employers' Net Pension Liability  
Using Assumptions required under 112.664(1)(b), F.S.**

Fiscal year ending September 30,

	<u>2021</u>
<b>1. Total pension liability</b>	
a. Service Cost	\$ -
b. Interest	394,074
c. Benefit Changes	-
d. Difference between actual & expected experience & Other	397,855
e. Assumption Changes	-
f. Benefit Payments	(1,345,188)
g. Contribution Refunds	-
<b>h. Net Change in Total Pension Liability</b>	<u>(553,259)</u>
<b>i. Total Pension Liability - Beginning</b>	<u>10,747,060</u>
<b>j. Total Pension Liability - Ending</b>	<u>\$ 10,193,801</u>
<b>2. Plan Fiduciary Net Position</b>	
a. Contributions - Employer	\$ 637,886
b. Contributions - State	233,874
c. Contributions - Member	-
d. Net Investment Income	1,059,372
e. Benefit Payments	(1,345,188)
f. Contribution Refunds	-
g. Administrative Expense	(67,658)
h. Other	397,855
<b>i. Net Change in Plan Fiduciary Net Position</b>	<u>916,141</u>
<b>j. Plan Fiduciary Net Position - Beginning</b>	<u>5,876,462</u>
<b>k. Plan Fiduciary Net Position - Ending</b>	<u>\$ 6,792,603</u>
<b>3. Net Pension Liability / (Asset)</b>	3,401,198

**Certain Key Assumptions**

Valuation Date	10/01/2020
Measurement Date	09/30/2021
Investment Return Assumption	4.00%
Mortality Table	FRS Mortality - Special Risk Class (7/1/2019 Valuation)





## Schedule of Changes in the Employers' Net Pension Liability

Using Assumptions under 112.664(1)(b), F.S. except 2% higher investment return assumption

Fiscal year ending September 30,

	<u>2021</u>
<b>1. Total pension liability</b>	
a. Service Cost	\$ -
b. Interest	584,578
c. Benefit Changes	-
d. Difference between actual & expected experience & Other	397,855
e. Assumption Changes	-
f. Benefit Payments	(1,345,188)
g. Contribution Refunds	-
<b>h. Net Change in Total Pension Liability</b>	<u>(362,755)</u>
<b>i. Total Pension Liability - Beginning</b>	<u>8,202,441</u>
<b>j. Total Pension Liability - Ending</b>	<u><u>\$ 7,839,686</u></u>
<b>2. Plan Fiduciary Net Position</b>	
a. Contributions - Employer	\$ 637,886
b. Contributions - State	233,874
c. Contributions - Member	-
d. Net Investment Income	1,059,372
e. Benefit Payments	(1,345,188)
f. Contribution Refunds	-
g. Administrative Expense	(67,658)
h. Other	397,855
<b>i. Net Change in Plan Fiduciary Net Position</b>	<u>916,141</u>
<b>j. Plan Fiduciary Net Position - Beginning</b>	<u>5,876,462</u>
<b>k. Plan Fiduciary Net Position - Ending</b>	<u><u>\$ 6,792,603</u></u>
<b>3. Net Pension Liability / (Asset)</b>	1,047,083
<b>Certain Key Assumptions</b>	
Valuation Date	10/01/2020
Measurement Date	09/30/2021
Investment Return Assumption	8.00%
Mortality Table	FRS Mortality - Special Risk Class (7/1/2019 Valuation)



**Asset and Benefit Payment Projection**  
**Not Reflecting Any Contributions from the Employer, State or Employee**  
**Using Assumptions from the Plan's Latest Actuarial Valuation**

FYE	Market Value of Assets (BOY)	Expected Investment Return	Projected Benefit Payments	Market Value of Assets (EOY)
2022	6,372,617	355,399	898,593	5,829,423
2023	5,829,423	323,452	877,127	5,275,748
2024	5,275,748	290,920	854,162	4,712,506
2025	4,712,506	257,861	829,631	4,140,736
2026	4,140,736	224,340	803,477	3,561,599
2027	3,561,599	190,426	775,665	2,976,360
2028	2,976,360	156,196	746,195	2,386,361
2029	2,386,361	121,729	715,103	1,792,987
2030	1,792,987	87,104	682,494	1,197,597
2031	1,197,597	52,400	648,539	601,458
2032	601,458	17,684	613,452	5,690
2033	5,690	-	577,484	-
2034	-	-	540,915	-
2035	-	-	504,040	-
2036	-	-	467,185	-
2037	-	-	430,699	-
2038	-	-	394,931	-
2039	-	-	360,192	-
2040	-	-	326,728	-
2041	-	-	294,730	-

Number of years for which current market value of assets are adequate to sustain the payment of expected retirement benefits, **reflecting no contributions from the Employer, Employee or State, contrary to Florida Statutes and Plan provisions:** 11.00

**Certain Key Assumptions**

Valuation Investment return assumption	6.00%
Valuation Mortality Table	FRS Mortality - Special Risk Class (7/1/2020 Valuation)

**Note: As required in Section 112.664(1)(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.**



**Asset and Benefit Payment Projection**  
**Not Reflecting Any Contributions from the Employer, State or Employee**  
**Using Assumptions required under 112.664(1)(a), F.S.**

FYE	Market Value of Assets (BOY)	Expected Investment Return	Projected Benefit Payments	Market Value of Assets (EOY)
2022	6,372,617	355,399	898,593	5,829,423
2023	5,829,423	323,452	877,127	5,275,748
2024	5,275,748	290,920	854,162	4,712,506
2025	4,712,506	257,861	829,631	4,140,736
2026	4,140,736	224,340	803,477	3,561,599
2027	3,561,599	190,426	775,665	2,976,360
2028	2,976,360	156,196	746,195	2,386,361
2029	2,386,361	121,729	715,103	1,792,987
2030	1,792,987	87,104	682,494	1,197,597
2031	1,197,597	52,400	648,539	601,458
2032	601,458	17,684	613,452	5,690
2033	5,690	-	577,484	-
2034	-	-	540,915	-
2035	-	-	504,040	-
2036	-	-	467,185	-
2037	-	-	430,699	-
2038	-	-	394,931	-
2039	-	-	360,192	-
2040	-	-	326,728	-
2041	-	-	294,730	-

Number of years for which current market value of assets are adequate to sustain the payment of expected retirement benefits, **reflecting no contributions from the Employer, Employee or State, contrary to Florida Statutes and Plan provisions:** 11.00

**Certain Key Assumptions**

Valuation Investment return assumption	6.00%
Valuation Mortality Table	FRS Mortality - Special Risk Class (7/1/2020 Valuation)

**Note: As required in Section 112.664(1)(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.**



**Asset and Benefit Payment Projection**  
**Not Reflecting Any Contributions from the Employer, State or Employee**  
**Using Assumptions required under 112.664(1)(b), F.S.**

FYE	Market Value of Assets (BOY)	Expected Investment Return	Projected Benefit Payments	Market Value of Assets (EOY)
2022	6,372,617	236,933	898,593	5,710,957
2023	5,710,957	210,896	877,127	5,044,726
2024	5,044,726	184,706	854,162	4,375,270
2025	4,375,270	158,418	829,631	3,704,057
2026	3,704,057	132,093	803,477	3,032,673
2027	3,032,673	105,794	775,665	2,362,802
2028	2,362,802	79,588	746,195	1,696,195
2029	1,696,195	53,546	715,103	1,034,638
2030	1,034,638	27,736	682,494	379,880
2031	379,880	2,224	648,539	-
2032	-	-	613,452	-
2033	-	-	577,484	-
2034	-	-	540,915	-
2035	-	-	504,040	-
2036	-	-	467,185	-
2037	-	-	430,699	-
2038	-	-	394,931	-
2039	-	-	360,192	-
2040	-	-	326,728	-
2041	-	-	294,730	-

Number of years for which current market value of assets are adequate to sustain the payment of expected retirement benefits, **reflecting no contributions from the Employer, Employee or State, contrary to Florida Statutes and Plan provisions:** 9.58

**Certain Key Assumptions**

Valuation Investment return assumption	4.00%
Valuation Mortality Table	FRS Mortality - Special Risk Class (7/1/2020 Valuation)

**Note: As required in Section 112.664(1)(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.**



**Asset and Benefit Payment Projection**

**Not Reflecting Any Contributions from the Employer, State or Employee**

**Using Assumptions under 112.664(1)(b), F.S. except 2% higher investment return assumption**

FYE	Market Value of Assets (BOY)	Expected Investment Return	Projected Benefit Payments	Market Value of Assets (EOY)
2022	6,372,617	473,866	898,593	5,947,890
2023	5,947,890	440,746	877,127	5,511,509
2024	5,511,509	406,754	854,162	5,064,101
2025	5,064,101	371,943	829,631	4,606,413
2026	4,606,413	336,374	803,477	4,139,310
2027	4,139,310	300,118	775,665	3,663,763
2028	3,663,763	263,253	746,195	3,180,821
2029	3,180,821	225,862	715,103	2,691,580
2030	2,691,580	188,027	682,494	2,197,113
2031	2,197,113	149,827	648,539	1,698,401
2032	1,698,401	111,334	613,452	1,196,283
2033	1,196,283	72,603	577,484	691,402
2034	691,402	33,676	540,915	184,163
2035	184,163	-	504,040	-
2036	-	-	467,185	-
2037	-	-	430,699	-
2038	-	-	394,931	-
2039	-	-	360,192	-
2040	-	-	326,728	-
2041	-	-	294,730	-

Number of years for which current market value of assets are adequate to sustain the payment of expected retirement benefits, **reflecting no contributions from the Employer, Employee or State, contrary to Florida Statutes and Plan provisions:** 13.33

**Certain Key Assumptions**

Valuation Investment return assumption	8.00%
Valuation Mortality Table	FRS Mortality - Special Risk Class (7/1/2020 Valuation)

**Note: As required in Section 112.664(1)(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.**



ACTUARIALLY DETERMINED CONTRIBUTION				
	Plan's Latest Actuarial Valuation	112.664(1)(a) F.S. Assumptions	112.664(1)(b) F.S. Assumptions	112.664(1)(b) F.S. except 2% higher investment return assumption
A. Valuation Date	October 1, 2021	October 1, 2021	October 1, 2021	October 1, 2021
B. Actuarial Determined Contribution (ADC) to Be Paid During Fiscal Year Ending	9/30/2022	9/30/2022	9/30/2022	9/30/2022
C. Assumed Dates of Employer Contributions	10/1/2021 to 9/30/2022	10/1/2021 to 9/30/2022	10/1/2021 to 9/30/2022	10/1/2021 to 9/30/2022
D. Annual Payment to Amortize Unfunded Actuarial Liability	\$718,189	\$718,189	\$1,063,404	\$441,587
E. Employer Normal Cost	67,658	67,658	67,658	67,658
F. ADC if Paid on Valuation Date: D + E	785,847	785,847	1,131,062	509,245
G. ADC Adjusted for Frequency of Payments*	798,305	798,305	1,146,481	509,245
H. Adjusted for Frequency of Payments as % of Covered Payroll	N/A	N/A	N/A	N/A
I. Assumed Rate of Increase in Covered Payroll to Contribution Year	N/A	N/A	N/A	N/A
J. Covered Payroll for Contribution Year	N/A	N/A	N/A	N/A
K. ADC for Contribution Year	798,305	798,305	1,146,481	509,245
L. Allowable Credit for State Revenue in Contribution Year	233,874	233,874	233,874	233,874
M. ADC in Contribution Year	564,431	564,431	912,607	275,371
N. ADC as % of Covered Payroll in Contribution Year: M ÷ J	N/A	N/A	N/A	N/A
O. Certain Key Assumptions				
Investment Return Assumption	6.00%	6.00%	4.00%	8.00%
Mortality Table	FRS Mortality - Special Risk Class (7/1/2020 Valuation)			

\*Reflects \$577,870 paid on 10/19/2021 and mid-August timing on State contribution.

