

St. Lucie County Fire District Firefighters' Pension Trust Fund

Chapter 112.664, F.S. Compliance Report

In Connection with the October 1, 2022 Funding Actuarial
Valuation Report and the Plan's Financial Reporting for the Year
Ending September 30, 2022





May 19, 2023

Board of Trustees
St. Lucie County Fire District Firefighters' Pension Trust Fund
Port St. Lucie, Florida

Dear Board Members:

Gabriel, Roeder, Smith & Company (GRS) has been engaged by the St. Lucie County Fire District (the District) Firefighters' Pension Trust Fund 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 District and those designated or approved by the Board. This report may be provided to parties other than the District 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, 2022. 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 District and Plan Administrator concerning 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 otherwise audit the data. We are not responsible for the accuracy or completeness of the information provided by the District and 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, 2022 actuarial valuation report. This report is also based on the Plan Provisions, census data, and financial information as summarized in our October 1, 2022 actuarial valuation report. Please refer to the October 1, 2022 actuarial valuation report, dated March 16, 2023, 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.

Peter N. Strong and Israel Bichachi 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.

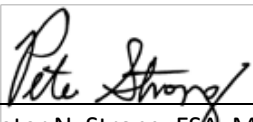
This report was prepared using ProVal's valuation model, a software product of Winklevoss Technologies. We are relying on the ProVal model. We performed tests of the ProVal model with this assignment and made a reasonable attempt to understand the developer's intended purpose of, general operation of, major sensitivities and dependencies within, and key strengths and limitations of the ProVal model. In our professional judgment, the ProVal valuation model has the capability to provide results that are consistent with the purposes of the valuation and has no material limitations or known weaknesses.

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.

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), F.S. and Section 60T-1.0035, F.A.C.

Respectfully submitted,

GABRIEL, ROEDER, SMITH & COMPANY

By 
Peter N. Strong, FSA, MAAA
Enrolled Actuary No. 23-06975
Senior Consultant & Actuary

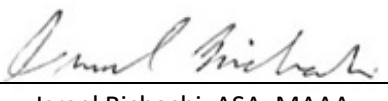
By 
Israel Bichachi, ASA, MAAA
Consultant & Actuary



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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,	2022
1. Total pension liability	
a. Service Cost	\$ 9,443,959
b. Interest	31,583,535
c. Benefit Changes	-
d. Difference between actual & expected experience & Other	1,777,933
e. Assumption Changes	4,216,371
f. Benefit Payments	(17,368,297)
g. Contribution Refunds	-
h. Net Change in Total Pension Liability	29,653,501
i. Total Pension Liability - Beginning	420,353,983
j. Total Pension Liability - Ending	\$ 450,007,484
 2. Plan Fiduciary Net Position	
a. Contributions - Employer	\$ 15,511,636
b. Contributions - Employer (from State)	2,712,504
c. Contributions - Member	2,432,502
d. Net Investment Income	(43,014,654)
e. Benefit Payments	(17,368,297)
f. Contribution Refunds	-
g. Administrative Expense	(182,215)
h. Other	-
i. Net Change in Plan Fiduciary Net Position	(39,908,524)
j. Plan Fiduciary Net Position - Beginning	356,382,827
k. Plan Fiduciary Net Position - Ending	\$ 316,474,303
 3. Net Pension Liability / (Asset)	133,533,181
 Certain Key Assumptions	
Valuation Date	10/01/2021
Measurement Date	09/30/2022
Investment Return Assumption	7.40%
Mortality Table	FRS Mortality Rates from 7/1/20 FRS 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>2022</u>
1. Total pension liability	
a. Service Cost	\$ 9,443,959
b. Interest	31,583,535
c. Benefit Changes	-
d. Difference between actual & expected experience & Other	1,777,933
e. Assumption Changes	4,216,371
f. Benefit Payments	(17,368,297)
g. Contribution Refunds	-
h. Net Change in Total Pension Liability	<u>29,653,501</u>
i. Total Pension Liability - Beginning	<u>420,353,983</u>
j. Total Pension Liability - Ending	<u>\$ 450,007,484</u>
 2. Plan Fiduciary Net Position	
a. Contributions - Employer	\$ 15,511,636
b. Contributions - Employer (from State)	2,712,504
c. Contributions - Member	2,432,502
d. Net Investment Income	(43,014,654)
e. Benefit Payments	(17,368,297)
f. Contribution Refunds	-
g. Administrative Expense	(182,215)
h. Other	-
i. Net Change in Plan Fiduciary Net Position	<u>(39,908,524)</u>
j. Plan Fiduciary Net Position - Beginning	<u>356,382,827</u>
k. Plan Fiduciary Net Position - Ending	<u>\$ 316,474,303</u>
 3. Net Pension Liability / (Asset)	 133,533,181
 Certain Key Assumptions	
Valuation Date	10/01/2021
Measurement Date	09/30/2022
Investment Return Assumption	7.40%
Mortality Table	FRS Mortality Rates from 7/1/20 FRS 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,	2022
1. Total pension liability	
a. Service Cost	\$ 15,210,324
b. Interest	28,764,748
c. Benefit Changes	-
d. Difference between actual & expected experience & Other	-
e. Assumption Changes	-
f. Benefit Payments	(17,368,297)
g. Contribution Refunds	-
h. Net Change in Total Pension Liability	26,606,775
i. Total Pension Liability - Beginning	526,154,339
j. Total Pension Liability - Ending	\$ 552,761,114
 2. Plan Fiduciary Net Position	
a. Contributions - Employer	\$ 15,511,636
b. Contributions - Employer (from State)	2,712,504
c. Contributions - Member	2,432,502
d. Net Investment Income	(43,014,654)
e. Benefit Payments	(17,368,297)
f. Contribution Refunds	-
g. Administrative Expense	(182,215)
h. Other	-
i. Net Change in Plan Fiduciary Net Position	(39,908,524)
j. Plan Fiduciary Net Position - Beginning	356,382,827
k. Plan Fiduciary Net Position - Ending	\$ 316,474,303
 3. Net Pension Liability / (Asset)	 236,286,811
 Certain Key Assumptions	
Valuation Date	10/01/2021
Measurement Date	09/30/2022
Investment Return Assumption	5.40%
Mortality Table	FRS Mortality Rates from 7/1/20 FRS 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,	2022
1. Total pension liability	
a. Service Cost	\$ 6,281,739
b. Interest	33,222,261
c. Benefit Changes	-
d. Difference between actual & expected experience & Other	-
e. Assumption Changes	-
f. Benefit Payments	(17,368,297)
g. Contribution Refunds	-
h. Net Change in Total Pension Liability	22,135,703
i. Total Pension Liability - Beginning	355,830,722
j. Total Pension Liability - Ending	\$ 377,966,425
 2. Plan Fiduciary Net Position	
a. Contributions - Employer	\$ 15,511,636
b. Contributions - Employer (from State)	2,712,504
c. Contributions - Member	2,432,502
d. Net Investment Income	(43,014,654)
e. Benefit Payments	(17,368,297)
f. Contribution Refunds	-
g. Administrative Expense	(182,215)
h. Other	-
i. Net Change in Plan Fiduciary Net Position	(39,908,524)
j. Plan Fiduciary Net Position - Beginning	356,382,827
k. Plan Fiduciary Net Position - Ending	\$ 316,474,303
 3. Net Pension Liability / (Asset)	 61,492,122
 Certain Key Assumptions	
Valuation Date	10/01/2021
Measurement Date	09/30/2022
Investment Return Assumption	9.40%
Mortality Table	FRS Mortality Rates from 7/1/20 FRS Valuation



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

FYE	Market Value of Assets (BOY)	Expected Investment Return	Projected Benefit Payments	Market Value of Assets (EOY)
2023	260,050,484	18,185,540	21,867,001	256,369,023
2024	256,369,023	17,902,595	22,255,999	252,015,619
2025	252,015,619	17,565,940	22,772,609	246,808,950
2026	246,808,950	17,156,861	23,566,907	240,398,904
2027	240,398,904	16,652,908	24,553,740	232,498,072
2028	232,498,072	16,040,505	25,530,262	223,008,315
2029	223,008,315	15,319,790	26,296,348	212,031,757
2030	212,031,757	14,488,105	27,129,122	199,390,740
2031	199,390,740	13,533,777	27,993,082	184,931,435
2032	184,931,435	12,446,790	28,854,935	168,523,290
2033	168,523,290	11,220,299	29,641,115	150,102,474
2034	150,102,474	9,852,786	30,265,599	129,689,661
2035	129,689,661	8,345,783	30,727,730	107,307,714
2036	107,307,714	6,707,160	30,857,614	83,157,260
2037	83,157,260	4,945,506	30,821,209	57,281,557
2038	57,281,557	3,061,472	30,687,169	29,655,860
2039	29,655,860	1,053,667	30,444,128	265,399
2040	265,399	-	30,104,652	-
2041	-	-	29,711,567	-
2042	-	-	29,301,746	-
2043	-	-	28,797,725	-
2044	-	-	28,256,726	-
2045	-	-	27,656,423	-
2046	-	-	27,021,696	-
2047	-	-	26,345,136	-
2048	-	-	25,616,466	-
2049	-	-	24,851,145	-

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:** 17.00

Certain Key Assumptions

Valuation Investment return assumption 7.30%
 Valuation Mortality Table Mortality Rates from 7/1/21 FRS 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)
2023	260,050,484	18,185,540	21,867,001	256,369,023
2024	256,369,023	17,902,595	22,255,999	252,015,619
2025	252,015,619	17,565,940	22,772,609	246,808,950
2026	246,808,950	17,156,861	23,566,907	240,398,904
2027	240,398,904	16,652,908	24,553,740	232,498,072
2028	232,498,072	16,040,505	25,530,262	223,008,315
2029	223,008,315	15,319,790	26,296,348	212,031,757
2030	212,031,757	14,488,105	27,129,122	199,390,740
2031	199,390,740	13,533,777	27,993,082	184,931,435
2032	184,931,435	12,446,790	28,854,935	168,523,290
2033	168,523,290	11,220,299	29,641,115	150,102,474
2034	150,102,474	9,852,786	30,265,599	129,689,661
2035	129,689,661	8,345,783	30,727,730	107,307,714
2036	107,307,714	6,707,160	30,857,614	83,157,260
2037	83,157,260	4,945,506	30,821,209	57,281,557
2038	57,281,557	3,061,472	30,687,169	29,655,860
2039	29,655,860	1,053,667	30,444,128	265,399
2040	265,399	-	30,104,652	-
2041	-	-	29,711,567	-
2042	-	-	29,301,746	-
2043	-	-	28,797,725	-
2044	-	-	28,256,726	-
2045	-	-	27,656,423	-
2046	-	-	27,021,696	-
2047	-	-	26,345,136	-
2048	-	-	25,616,466	-
2049	-	-	24,851,145	-

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:** 17.00

Certain Key Assumptions

Valuation Investment return assumption 7.30%
 Valuation Mortality Table Mortality Rates from 7/1/21 FRS 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)
2023	260,050,484	13,203,200	21,867,001	251,386,683
2024	251,386,683	12,733,710	22,255,999	241,864,394
2025	241,864,394	12,215,339	22,772,609	231,307,124
2026	231,307,124	11,634,755	23,566,907	219,374,972
2027	219,374,972	10,976,199	24,553,740	205,797,431
2028	205,797,431	10,230,712	25,530,262	190,497,881
2029	190,497,881	9,399,534	26,296,348	173,601,067
2030	173,601,067	8,481,935	27,129,122	154,953,880
2031	154,953,880	7,470,739	27,993,082	134,431,537
2032	134,431,537	6,360,216	28,854,935	111,936,818
2033	111,936,818	5,147,162	29,641,115	87,442,865
2034	87,442,865	3,832,433	30,265,599	61,009,699
2035	61,009,699	2,419,229	30,727,730	32,701,198
2036	32,701,198	915,437	30,857,614	2,759,021
2037	2,759,021	-	30,821,209	-
2038	-	-	30,687,169	-
2039	-	-	30,444,128	-
2040	-	-	30,104,652	-
2041	-	-	29,711,567	-
2042	-	-	29,301,746	-
2043	-	-	28,797,725	-
2044	-	-	28,256,726	-
2045	-	-	27,656,423	-
2046	-	-	27,021,696	-
2047	-	-	26,345,136	-
2048	-	-	25,616,466	-
2049	-	-	24,851,145	-

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:** 14.08

Certain Key Assumptions

Valuation Investment return assumption 5.30%
 Valuation Mortality Table Mortality Rates from 7/1/21 FRS 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)
2023	260,050,484	23,167,879	21,867,001	261,351,362
2024	261,351,362	23,270,773	22,255,999	262,366,136
2025	262,366,136	23,341,124	22,772,609	262,934,651
2026	262,934,651	23,357,061	23,566,907	262,724,805
2027	262,724,805	23,291,658	24,553,740	261,462,723
2028	261,462,723	23,128,876	25,530,262	259,061,337
2029	259,061,337	22,869,924	26,296,348	255,634,913
2030	255,634,913	22,512,543	27,129,122	251,018,334
2031	251,018,334	22,043,027	27,993,082	245,068,279
2032	245,068,279	21,449,595	28,854,935	237,662,939
2033	237,662,939	20,724,341	29,641,115	228,746,165
2034	228,746,165	19,866,043	30,265,599	218,346,609
2035	218,346,609	18,877,395	30,727,730	206,496,274
2036	206,496,274	17,769,274	30,857,614	193,407,934
2037	193,407,934	16,553,752	30,821,209	179,140,477
2038	179,140,477	15,233,111	30,687,169	163,686,419
2039	163,686,419	13,807,185	30,444,128	147,049,476
2040	147,049,476	12,275,735	30,104,652	129,220,559
2041	129,220,559	10,635,924	29,711,567	110,144,916
2042	110,144,916	8,880,946	29,301,746	89,724,116
2043	89,724,116	7,005,249	28,797,725	67,931,640
2044	67,931,640	5,003,705	28,256,726	44,678,619
2045	44,678,619	2,869,088	27,656,423	19,891,284
2046	19,891,284	593,381	27,021,696	-
2047	-	-	26,345,136	-
2048	-	-	25,616,466	-
2049	-	-	24,851,145	-

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:**

23.75

Certain Key Assumptions

Valuation Investment return assumption

9.30%

Valuation Mortality Table

Mortality Rates from 7/1/21 FRS 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 Assumptions	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, 2022	October 1, 2022	October 1, 2022	October 1, 2022
B. Actuarially Determined Contribution (ADC) to Be Paid During Fiscal Year Ending	9/30/2024	9/30/2024	9/30/2024	9/30/2024
C. Assumed Dates of Employer Contributions	1/1/2024	1/1/2024	1/1/2024	1/1/2024
D. Annual Payment to Amortize Unfunded Actuarial Liability	\$ 9,934,163	\$ 9,934,163	\$ 16,154,994	\$ 4,048,990
E. Employer Normal Cost	8,010,250	8,010,250	13,690,756	4,569,701
F. Employer ADC if Paid on Valuation Date: D + E	17,944,413	17,944,413	29,845,750	8,618,691
G. Employer ADC Adjusted for Frequency of Payments	18,271,899	18,271,899	30,241,206	8,819,076
H. Employer ADC Adjusted for Frequency of Payments as % of Covered Payroll	54.71 %	54.71 %	90.55 %	26.41 %
I. Assumed Rate of Increase in Covered Payroll to Contribution Year	3.00 %	3.00 %	3.00 %	3.00 %
J. Covered Payroll for Contribution Year	34,397,555	34,397,555	34,397,555	34,397,555
K. ADC for Contribution Year: H x J	18,818,902	18,818,902	31,146,986	9,084,394
L. Allowable Credit for State Revenue in Contribution Year	2,112,321	2,112,321	2,112,321	2,112,321
M. Net Employer ADC After State Revenue in Contribution Year	16,706,581	16,706,581	29,034,665	6,972,073
N. Net Employer ADC as % of Covered Payroll in Contribution Year: M ÷ J	48.57 %	48.57 %	84.41 %	20.27 %
O. Expected Member Contributions	2,063,853	2,063,853	2,063,853	2,063,853
P. Total Contribution (including Members) in Contributing Year: K + O	20,882,755	20,882,755	33,210,839	11,148,247
Q. Total Contribution as a % of covered payroll in Contribution Year: P ÷ J	60.71 %	60.71 %	96.55 %	32.41 %
R. Certain Key Assumptions				
Investment Return Assumption	7.30%	7.30%	5.30%	9.30%
Mortality Table	Mortality Rates from 7/1/21 FRS Valuation	Mortality Rates from 7/1/21 FRS Valuation	Mortality Rates from 7/1/21 FRS Valuation	Mortality Rates from 7/1/21 FRS Valuation

