

# Jacksonville Police and Fire Pension 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





June 7, 2022

Board of Trustees  
Jacksonville Police and Fire Pension Fund  
Jacksonville, Florida

Dear Board Members:

Gabriel, Roeder, Smith & Company (GRS) has been engaged by the Jacksonville Police and Fire Pension 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 Board 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 through July 1, 2021 and financial 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 City and the Board 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 Town.

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 May 17, 2022, for summaries and descriptions of this information.

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.

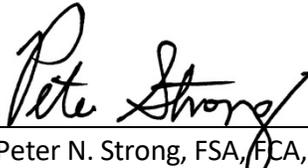
This report has been prepared by actuaries who have substantial experience valuing public employee retirement systems. To the best of our knowledge the information contained in this report is accurate and fairly presents the actuarial position of the Retirement Plan as of the valuation date. All calculations 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.

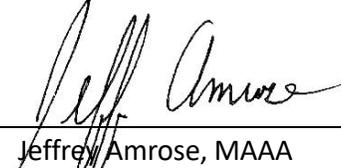
Peter N. Strong and Jeffrey Amrose are members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein. The signing actuaries are independent of the plan sponsor.

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 AND COMPANY

By   
Peter N. Strong, FSA, FCA, MAAA  
Enrolled Actuary No. 20-6975  
Senior Consultant & Actuary

By   
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## **CH. 112.664, FLORIDA STATUTES**

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### **RESULTS**

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

Fiscal year ending September 30,	<u>2021</u>
<b>1. Total Pension Liability</b>	
a. Service Cost	\$ 71,448,042
b. Interest	292,913,908
c. Benefit Changes	-
d. Difference between actual & expected experience & Other	10,907,337
e. Assumption Changes	162,092,668
f. Benefit Payments	(223,365,317)
g. Contribution Refunds	(1,387,209)
<b>h. Net Change in Total Pension Liability</b>	<u>312,609,429</u>
<b>i. Total Pension Liability - Beginning</b>	<u>4,284,182,960</u>
<b>j. Total Pension Liability - Ending</b>	<u>\$ 4,596,792,389</u>
<b>2. Plan Fiduciary Net Position</b>	
a. Contributions - Employer	\$ 134,725,329
b. Contributions - State	14,306,665
c. Contributions - Member	19,118,319
d. Net Investment Income	490,416,930
e. Benefit Payments	(223,365,317)
f. Contribution Refunds	(1,387,209)
g. Administrative Expense	(2,204,771)
h. Other	690,500
<b>i. Net Change in Plan Fiduciary Net Position</b>	<u>432,300,446</u>
<b>j. Plan Fiduciary Net Position - Beginning</b>	<u>2,050,722,469</u>
<b>k. Plan Fiduciary Net Position - Ending</b>	<u>\$ 2,483,022,915</u>
<b>3. Net Pension Liability / (Asset)</b>	2,113,769,474
<b>Certain Key Assumptions</b>	
Valuation Date	10/01/2021
Measurement Date	09/30/2021
Investment Return Assumption	6.625%
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>2021</u>
<b>1. Total Pension Liability</b>	
a. Service Cost	\$ 71,448,042
b. Interest	292,913,908
c. Benefit Changes	-
d. Difference between actual & expected experience & Other	10,907,337
e. Assumption Changes	162,092,668
f. Benefit Payments	(223,365,317)
g. Contribution Refunds	(1,387,209)
<b>h. Net Change in Total Pension Liability</b>	<u>312,609,429</u>
<b>i. Total Pension Liability - Beginning</b>	<u>4,284,182,960</u>
<b>j. Total Pension Liability - Ending</b>	<u>\$ 4,596,792,389</u>
<b>2. Plan Fiduciary Net Position</b>	
a. Contributions - Employer	\$ 134,725,329
b. Contributions - State	14,306,665
c. Contributions - Member	19,118,319
d. Net Investment Income	490,416,930
e. Benefit Payments	(223,365,317)
f. Contribution Refunds	(1,387,209)
g. Administrative Expense	(2,204,771)
h. Other	690,500
<b>i. Net Change in Plan Fiduciary Net Position</b>	<u>432,300,446</u>
<b>j. Plan Fiduciary Net Position - Beginning</b>	<u>2,050,722,469</u>
<b>k. Plan Fiduciary Net Position - Ending</b>	<u>\$ 2,483,022,915</u>
<b>3. Net Pension Liability / (Asset)</b>	2,113,769,474
<b>Certain Key Assumptions</b>	
Valuation Date	10/01/2021
Measurement Date	09/30/2021
Investment Return Assumption	6.625%
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,	<u>2021</u>
<b>1. Total Pension Liability</b>	
a. Service Cost	\$ 121,922,839
b. Interest	275,824,989
c. Benefit Changes	-
d. Difference between actual & expected experience & Other	-
e. Assumption Changes	-
f. Benefit Payments	(223,365,317)
g. Contribution Refunds	(1,387,209)
<b>h. Net Change in Total Pension Liability</b>	<u>172,995,302</u>
<b>i. Total Pension Liability - Beginning</b>	<u>5,952,966,826</u>
<b>j. Total Pension Liability - Ending</b>	<u>\$ 6,125,962,128</u>
<b>2. Plan Fiduciary Net Position</b>	
a. Contributions - Employer	\$ 134,725,329
b. Contributions - State	14,306,665
c. Contributions - Member	19,118,319
d. Net Investment Income	490,416,930
e. Benefit Payments	(223,365,317)
f. Contribution Refunds	(1,387,209)
g. Administrative Expense	(2,204,771)
h. Other	690,500
<b>i. Net Change in Plan Fiduciary Net Position</b>	<u>432,300,446</u>
<b>j. Plan Fiduciary Net Position - Beginning</b>	<u>2,050,722,469</u>
<b>k. Plan Fiduciary Net Position - Ending</b>	<u>\$ 2,483,022,915</u>
<b>3. Net Pension Liability / (Asset)</b>	3,642,939,213
<b>Certain Key Assumptions</b>	
Valuation Date	10/01/2021
Measurement Date	09/30/2021
Investment Return Assumption	4.625%
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 from the Latest Actuarial Valuation**

FYE	Market Value of Assets (BOY)	Expected Investment Return	Projected Benefit Payments	Market Value of Assets (EOY)
2022	2,460,564,101	155,825,243	216,969,921	2,399,419,423
2023	2,399,419,423	151,481,485	225,812,893	2,325,088,015
2024	2,325,088,015	146,372,656	231,378,866	2,240,081,805
2025	2,240,081,805	140,335,620	243,616,580	2,136,800,845
2026	2,136,800,845	133,117,987	254,945,478	2,014,973,354
2027	2,014,973,354	124,551,041	269,915,287	1,869,609,108
2028	1,869,609,108	114,530,500	281,693,690	1,702,445,918
2029	1,702,445,918	103,079,984	293,043,274	1,512,482,628
2030	1,512,482,628	90,031,024	307,047,547	1,295,466,105
2031	1,295,466,105	75,452,732	313,113,878	1,057,804,959
2032	1,057,804,959	59,367,429	323,385,651	793,786,737
2033	793,786,737	41,660,155	329,908,430	505,538,462
2034	505,538,462	22,308,237	337,620,703	190,225,996
2035	190,225,996	1,171,255	345,093,361	-
2036	-	-	347,733,924	-
2037	-	-	350,572,892	-
2038	-	-	353,454,145	-
2039	-	-	356,421,488	-
2040	-	-	358,898,235	-
2041	-	-	359,484,654	-
2042	-	-	360,657,064	-
2043	-	-	360,674,216	-
2044	-	-	359,480,578	-
2045	-	-	357,734,437	-
2046	-	-	355,139,795	-
2047	-	-	352,369,810	-

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: 13.50

**Certain Key Assumptions**

Valuation Investment return assumption 6.625%  
 Valuation Mortality Table FRS Mortality Rates from 7/1/20 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)
2022	2,460,564,101	155,825,243	216,969,921	2,399,419,423
2023	2,399,419,423	151,481,485	225,812,893	2,325,088,015
2024	2,325,088,015	146,372,656	231,378,866	2,240,081,805
2025	2,240,081,805	140,335,620	243,616,580	2,136,800,845
2026	2,136,800,845	133,117,987	254,945,478	2,014,973,354
2027	2,014,973,354	124,551,041	269,915,287	1,869,609,108
2028	1,869,609,108	114,530,500	281,693,690	1,702,445,918
2029	1,702,445,918	103,079,984	293,043,274	1,512,482,628
2030	1,512,482,628	90,031,024	307,047,547	1,295,466,105
2031	1,295,466,105	75,452,732	313,113,878	1,057,804,959
2032	1,057,804,959	59,367,429	323,385,651	793,786,737
2033	793,786,737	41,660,155	329,908,430	505,538,462
2034	505,538,462	22,308,237	337,620,703	190,225,996
2035	190,225,996	1,171,255	345,093,361	-
2036	-	-	347,733,924	-
2037	-	-	350,572,892	-
2038	-	-	353,454,145	-
2039	-	-	356,421,488	-
2040	-	-	358,898,235	-
2041	-	-	359,484,654	-
2042	-	-	360,657,064	-
2043	-	-	360,674,216	-
2044	-	-	359,480,578	-
2045	-	-	357,734,437	-
2046	-	-	355,139,795	-
2047	-	-	352,369,810	-

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:** 13.50

**Certain Key Assumptions**

Valuation Investment return assumption 6.625%  
 Valuation Mortality Table FRS Mortality Rates from 7/1/20 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)
2022	2,460,564,101	108,783,660	216,969,921	2,352,377,840
2023	2,352,377,840	103,575,552	225,812,893	2,230,140,499
2024	2,230,140,499	97,793,362	231,378,866	2,096,554,995
2025	2,096,554,995	91,332,035	243,616,580	1,944,270,450
2026	1,944,270,450	84,026,894	254,945,478	1,773,351,866
2027	1,773,351,866	75,775,733	269,915,287	1,579,212,312
2028	1,579,212,312	66,524,403	281,693,690	1,364,043,025
2029	1,364,043,025	56,310,364	293,043,274	1,127,310,115
2030	1,127,310,115	45,037,618	307,047,547	865,300,186
2031	865,300,186	32,779,375	313,113,878	584,965,683
2032	584,965,683	19,576,370	323,385,651	281,156,402
2033	281,156,402	5,374,351	329,908,430	-
2034	-	-	337,620,703	-
2035	-	-	345,093,361	-
2036	-	-	347,733,924	-
2037	-	-	350,572,892	-
2038	-	-	353,454,145	-
2039	-	-	356,421,488	-
2040	-	-	358,898,235	-
2041	-	-	359,484,654	-
2042	-	-	360,657,064	-
2043	-	-	360,674,216	-
2044	-	-	359,480,578	-
2045	-	-	357,734,437	-
2046	-	-	355,139,795	-
2047	-	-	352,369,810	-

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:** 11.83

**Certain Key Assumptions**

Valuation Investment return assumption 4.625%  
 Valuation Mortality Table FRS Mortality Rates from 7/1/20 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	112.664(1)(a) F.S. Assumptions	112.664(1)(b) F.S. Assumptions
A. Valuation Date	October 1, 2021	October 1, 2021	October 1, 2021
B. Actuarial Determined Contribution (ADC) to Be Paid During Fiscal Year Ending	9/30/2023	9/30/2023	9/30/2023
C. Assumed Date of Employer Contributions	12/1/2022	12/1/2022	12/1/2022
D. Expected Covered Payroll for the Year Beginning on the Valuation Date	\$ 161,835,740	\$ 161,835,740	\$ 161,835,740
E. Annual Payment to Amortize the Unfunded Actuarial Liability	86,469,709	86,469,709	122,534,547
F. Employer Normal Cost	66,937,017	66,937,017	122,681,977
G. ADC if Paid on the Valuation Date	153,406,726	153,406,726	245,216,524
H. City Contribution if Paid on the Valuation Date as % of Covered Payroll	153,406,726 94.79 %	153,406,726 94.79 %	245,216,524 151.52 %
I. Assumed Rate of Increase in Covered Payroll to Contribution Year	1.25 %	1.25 %	1.25 %
J. Covered Payroll for Contribution Year	163,858,687	163,858,687	163,858,687
K. City Contribution for Contribution Year*	156,993,838	156,993,838	250,159,697
L. Expected Member Contribution in Contribution Year	17,069,793	17,069,793	17,069,793
M. Total Contributions (from All Sources) in Contribution Year	174,063,631	174,063,631	267,229,490
N. Total Contributions as % of Covered Payroll in Contribution Year	106.23 %	106.23 %	163.09 %
O. Certain Key Assumptions			
Investment Return Assumption	6.625%	6.625%	4.625%
Mortality Table	FRS Mortality Rates from 7/1/20 FRS Valuation	FRS Mortality Rates from 7/1/20 FRS Valuation	FRS Mortality Rates from 7/1/20 FRS Valuation

\* Adjusted for frequency of payments (from October 1, 2022 to December 1, 2022).

