



March 22, 2022

Via Electronic Transmission

Florida Division of Retirement

To whom it may concern:

Re: 2021 Disclosure under F.S. 112.664

An attachment provides information under F.S. 112.664(1) for the City of Rockledge General Employees Retirement Plan (the Plan) as of October 1, 2021 in the format described in F.A.C. Rule 60T-1.0035. We have uploaded the semi-colon delimited file described by the rule.

The disclosure requirements for F.S. 112.664(2)(b)2. are found on page 24 of our attached October 1, 2021 actuarial valuation of the Plan. The GASB 67/68 Supplement as of September 30, 2021 has also been attached.

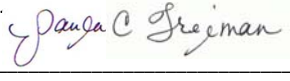
Please let us know if you have any questions or need additional information.

Sincerely,

A handwritten signature in cursive script that reads 'Paula C. Freiman'. The signature is written in black ink on a light-colored background.

Paula C. Freiman, ASA, EA
Partner, Consulting Actuary

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.

(a) City/District.....	City of Rockledge Rockledge General Employees Retirement Plan
(b) Plan Name.....	
(c) Plan Type.....	Defined Benefit
(d) Valuation Date.....	10/01/2021
(e) Interest Rate:	
(e)(1) Discount Rate, net of investment fees.....	7.65%
(e)(2) Long-Term Expected Rate of Return, net of investment fees.....	7.65%
(f) Certification Statement	
(f)(1) Signature	
(f)(2) Actuary's Name.....	Paula C. Freiman
(f)(3) Enrollment Number.....	20-5796
(f)(4) Signature Date.....	03/22/2022
(f)(5) Cover letter attached (pdf)?.....	Y

Section 112.664(1)(a), F.S. Total pension liability assuming mortality as used in FRS actuarial valuation

(g) Total pension liability:	
(g)(1) Service cost.....	\$621,801
(g)(2) Interest.....	1,540,540
(g)(3) Benefit changes.....	0
(g)(4) Difference between expected and actual experience.....	277,065
(g)(5) Changes in assumptions.....	(134,302)
(g)(6) Benefit payments.....	(1,024,888)
(g)(7) Contribution refunds.....	(112,941)
(g)(8) Net change in total pension liability.....	\$1,167,275
(g)(9) Total pension liability – beginning of year.....	<u>\$19,946,602</u>
(g)(10) Total pension liability – ending of year.....	\$21,113,877
(h) Plan fiduciary net position:	
(h)(1) Contributions – Employer.....	\$724,655
(h)(2) Contributions – State.....	0
(h)(3) Contributions – Member.....	306,359
(h)(4) Net investment income.....	3,931,392
(h)(5) Benefit payments.....	(1,024,888)
(h)(6) Contributions refunds.....	(112,941)
(h)(7) Administrative expense.....	(63,270)
(h)(8) Other.....	0
(h)(9) Net change in plan fiduciary net position.....	\$3,761,307
(h)(10) Plan fiduciary net position – beginning of year.....	<u>\$19,271,267</u>
(h)(11) Plan fiduciary net position – ending of year.....	\$23,032,574
(i) Net pension liability/(asset) [(g)(10) minus (h)(11)].....	\$(1,918,697)

Section 112.664(1)(b), F.S. Total pension liability assumed interest rate that is 200 basis points lower than that assumed in the valuation of the Plan

(j) Total pension liability:	
(j)(1) Service cost.....	\$926,981
(j)(2) Interest.....	1,443,615
(j)(3) Benefit changes.....	0
(j)(4) Difference between expected and actual experience.....	434,061
(j)(5) Changes in assumptions.....	(112,616)
(j)(6) Benefit payments.....	(1,024,888)
(j)(7) Contribution refunds.....	(112,941)
(j)(8) Net change in total pension liability.....	\$1,554,212
(j)(9) Total pension liability – beginning of year.....	<u>\$24,869,818</u>
(j)(10) Total pension liability – ending of year.....	\$26,424,030
(k) Plan fiduciary net position:	
(k)(1) Contributions – Employer.....	\$724,655
(k)(2) Contributions – State.....	0
(k)(3) Contributions – Member.....	306,359
(k)(4) Net investment income.....	3,931,392
(k)(5) Benefit payments.....	(1,024,888)
(k)(6) Contributions refunds.....	(112,941)
(k)(7) Administrative expense.....	(63,270)
(k)(8) Other.....	0
(k)(9) Net change in plan fiduciary net position.....	\$3,761,307
(k)(10) Plan fiduciary net position – beginning of year.....	<u>\$19,271,267</u>
(k)(11) Plan fiduciary net position – ending of year.....	\$23,032,574
(l) Net pension liability/(asset) [(j)(10) minus (k)(11)].....	\$3,391,456

Section 112.664(1)(c), F.S. (on last valuation basis)

(m) Number of Years, and fractional parts of Years, for which the Market Value of Assets are adequate to sustain expected retirement benefits	30.24
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Section 112.664(1)(c), F.S. (on Section 112.664(1)(a), F.S. basis)

(n) Number of Years, and fractional parts of Years, for which the Market Value of Assets are adequate to sustain expected retirement benefits	30.24
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Section 112.664(1)(c), F.S. (on Section 112.664(1)(b), F.S. basis)

(o) Number of Years, and fractional parts of Years, for which the Market Value of Assets are adequate to sustain expected retirement benefits	20.50
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Section 112.664(1)(d), F.S. (on last valuation basis)

(p) Recommended Plan contributions in Annual Dollar Value.....	\$762,664
(q) Recommended Plan contributions as a Percentage of Valuation Payroll.....	14.43%

Section 112.664(1)(d), F.S. (on Section 112.664(1)(a), F.S. basis)

(r) Recommended Plan contributions in Annual Dollar Value.....	\$762,664
(s) Recommended Plan contributions as a Percentage of Valuation Payroll.....	14.43%

Section 112.664(1)(d), F.S. (on Section 112.664(1)(b), F.S. basis)

(t) Recommended Plan contributions in Annual Dollar Value.....	\$1,461,079
(u) Recommended Plan contributions as a Percentage of Valuation Payroll.....	27.64%



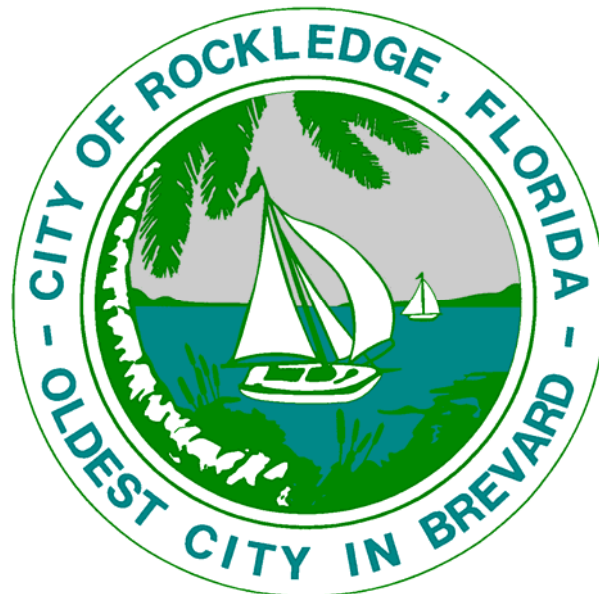
Freiman Little Actuaries, LLC
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Merritt Island, FL 32953

Phone 321 453 6542
Fax 321 453 6998

City of Rockledge

General Employees Retirement Plan

Actuarial Valuation as of October 1, 2021



January 28, 2022

REPORT TO DETERMINE MINIMUM FUNDING REQUIREMENTS
FOR THE PLAN AND FISCAL YEAR
BEGINNING OCTOBER 1, 2022



January 28, 2022

Board of Trustees
City of Rockledge General Employees Retirement Plan
Rockledge, Florida

RE: Actuarial Valuation as of October 1, 2021

Dear Board Members:

We are pleased to present the actuarial valuation as of October 1, 2021 for the City of Rockledge General Employees Retirement Plan (the Plan). This report provides a review of the current funded status of the Plan, establishes the minimum funding requirement for the fiscal year ending September 30, 2023, and provides an analysis of experience since the last valuation. In addition to providing the summary and derivation of actuarial findings, this report describes the data, assumptions, and methods used to create these results.

In producing our work product, we rely on various models, internal and external, which were used for their intended purposes. Underlying data, assumptions, methodologies, model inputs and resulting outputs have been reviewed. The 7.65% net assumed return is a prescribed assumption as defined by Actuarial Standard of Practice No. 27 (ASOP 27), as it is set by the Board. While we find all other inputs and outputs to be reasonable, this prescribed assumption significantly conflicts with our judgment regarding what would constitute a reasonable assumption for the purpose of the measurement as discussed in ASOP 27. We continue to recommend lowering the net assumed return.

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.

Statement by Enrolled Actuary:

"This actuarial valuation and/or cost determination was 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, the techniques and assumptions used are reasonable and meet the requirements and intent of Part VII, Chapter 112, Florida Statutes. There is no benefit or expense to be provided by the plan and/or paid from the plan's assets for which liabilities or current costs have not been established or otherwise taken into account in the valuation. All known events or trends which may require a material increase in plan costs or required contribution rates have been taken into account in the valuation."


RE: Actuarial Valuation as of October 1, 2021
January 28, 2022
Page 2

We look forward to the presentation of these results to you in person and we are always available to answer any questions you may have.

Sincerely,



Chad M. Little, ASA, EA
Partner, Consulting Actuary
Enrollment Number 20-6619



Paula C. Freiman, ASA, EA
Partner, Consulting Actuary
Enrollment Number 20-5796

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Section

1

Board Summary

A summary of the key valuation findings are compared with the results of the prior valuation below.

Summary of Principal Valuation Results

Minimum Funding Requirements

Fiscal Year Ending September 30,	2022	2023
<u>Minimum Funding Requirement</u>		
As a Dollar Amount	\$574,800	\$445,456
As a Percent of Valuation Payroll	12.25%	8.43%

The \$445,456 minimum funding requirement for fiscal 2023 must be deposited on December 15, 2022.

Funded Status

Valuation as of October 1,	2020	2021
Accrued Liability (AL)	\$19,946,602	\$21,113,877
Actuarial Value of Assets	<u>(19,058,024)</u>	<u>(21,012,085)</u>
Unfunded Accrued Liability (UAL)	\$888,578	\$101,792
Funded Percentage	95.55%	99.52%

Key Assumptions

Valuation as of October 1,	2020	2021
Assumed Investment Return, Net of Expenses	7.75%	7.65%
Salary Increase Assumption	6.00%	
Year 0-12		5.50%
Year 13+		4.50%

Summary of Significant Events

Determination of the funded status of the Plan and minimum funding requirements are based on funding policy, participant data, asset information, Plan provisions, actuarial methods and assumptions. Any significant events associated with these items are discussed in the following.

In preparing our report we relied, without audit, on information (some oral and some written) supplied by the Plan Administrator and the City. This information includes, but is not limited to, statutory provisions, employee census, and financial information. In our examination of these data, we have found them to be reasonably consistent and comparable with data used for other purposes. Since the valuation results are dependent on the integrity of the data supplied, the results can be expected to differ if the underlying data is incomplete or missing. It should be noted that if any data or other information is inaccurate or incomplete, our calculations may need to be revised.

Participant Data

During the year active membership remained level at 132 members due to 4 retirements, one DROP entrant, 20 non-vested terminations, and 25 new hires. While the number of terminated members due future monthly benefits decreased from 9 to 8 due to the retirement of one vested termination, the number of members receiving payments increased from 61 to 65 due to the 4 retirements from active service, one DROP entrant, one retirement of a vested termination, the death of one retiree and the death of one beneficiary.

The following provides a summary comparing the actual and expected pay increases for the 12-month periods ending on the date specified.

Year Ended September	Individual		Total Payroll Increase
	Actual	Expected	
2021	13.7%	6.0%	12.7%
2020	1.9%	6.0%	(3.8%)
2019	6.6%	6.0%	5.3%
2018	6.6%	6.0%	0.0%
2017	5.1%	6.0%	7.0%
2016	5.4%	6.0%	5.7%
2015	4.2%	6.0%	0.8%
2014	3.6%	6.0%	1.8%
2013	5.0%	6.0%	(3.9%)
2012	(4.9%)	6.0%	(1.2%)
Average:	4.6%	6.0%	2.3%

Pay increases were more than expected with the actual average pay increase amongst continuing actives at 13.7% in comparison to the 6.0% salary increase assumption. In addition, total payroll increased 2.3% each year on average over the last 10 years. Florida Statutes 112.64(5)(a) requires that the payroll growth assumption not exceed the average payroll growth for the prior ten years. This requirement is met in that the Unfunded Accrued Liability is amortized on a level dollar basis.

Overall, there was a demographic loss primarily due to pay increases more than expected offset by mortality gains. Should a pattern of consistent gains or losses develop, assumptions will be adjusted as needed. An experience review was performed for the 10-year period preceding October 1, 2020. See changes in assumptions made effective October 1, 2021 below.

Assets

The investment return on the Market Value of Assets was 20.49% and the return on the Actuarial Value of Assets was 11.20%, each in comparison to the 7.75% net investment return assumption used for the year ending September 30, 2021. Because the return on the Actuarial Value of Assets was more than the net assumed investment return, there was an actuarial investment gain.

Note only a portion of actual investment gains or losses are recognized in the current year Actuarial Value of Assets with the remainder recognized over the next four years. Even if all assumptions are realized in the next several years, the Plan will experience changes in the required contribution rate until prior gains and losses are fully recognized.

The table below provides a comparison of the investment return on the Market Value of Assets and the Actuarial Value of Assets in comparison to the investment return assumed in the valuation of the Plan.

12-Month Period Ended September 30,	% Market Return	% Actuarial Return	% Assumed Return
2021	20.49 %	11.20 %	7.75 %
2020	10.87 %	8.81 %	7.80 %
2019	3.62 %	7.24 %	7.80 %
2018	9.84 %	8.39 %	7.90 %
2017	12.21 %	7.74 %	7.90 %
2016	9.31 %	7.34 %	8.00 %
2015	(0.03)%	5.94 %	8.00 %
2014	9.69 %	7.45 %	8.00 %
2013	8.79 %	6.11 %	8.00 %
2012	12.07 %	1.82 %	8.00 %
Average	9.57 %	7.18 %	7.91 %

Investment returns less than the assumed rate of return result in increased annual minimum required contributions in the future.

Plan Provisions

Ordinance No. 1793-2020 was adopted effective November 4, 2020 regarding required minimum distributions at age 72. This ordinance had no significant impact on liability.

Assumptions and Methods

Our August 18, 2021 letter provides the results of an experience review for the 10-year period preceding October 1, 2020. Based on this review, we recommended revision to assumed rates of termination, the individual salary increase assumption and the assumed net investment return assumption. The Board of Trustees adopted the revised assumed rates of termination as well as the individual salary increase assumption recommended. The net assumed rate of investment return was revised from 7.75% used in the October 1, 2020 actuarial valuation to 7.65% for this October 1, 2021 actuarial valuation of the Plan as directed by the Board of Trustees. The 7.65% net assumed return is a prescribed assumption as defined by Actuarial Standard of Practice No. 27 (ASOP 27), as it is set by the Board. The prescribed assumption significantly conflicts with our judgment regarding what would constitute a reasonable assumption for the purpose of the measurement as discussed in ASOP 27. As discussed with the Board we recommend lowering the net assumed return.

The impact of the change in assumptions may be found in the reconciliation of the funded status and minimum funding requirements found at the end of Section 2 of this report. See “Reconciliations” in the table of contents.

Assessment and Disclosure of Risk

As described in Actuarial Standard of Practice No. 51 (ASOP 51), this section is meant to address the assessment and disclosure of risk in a pension funding valuation. This is not meant to be a comprehensive summary but should provide information regarding risks related to this plan. Additional historical information provided in this report also contain relevant information regarding asset size, asset mix, pay increases, benefits and contributions. This information can be used to understand the changes over time to identify trends.

Note that ASOP 51 defines risk as “The potential of actual future measurements deviating from expected future measurements resulting from actual future experience deviating from actuarially assumed experience....” The following provides examples of potential risk.

Investment Risk: As noted previously, investment returns less than the assumed rate of return result in increased annual minimum required contributions payable in a subsequent year.

Interest Rate Risk: Interest rates are used to discount the value of benefits. If the long-term expectation of returns is higher or lower than the assumed net investment return, the assumed net investment return should be adjusted. When the assumed net investment return is increased the estimated liability is decreased. When the assumed net investment return is decreased the estimated liability is increased. The chart below shows what the funded status of the plan is on a market value of assets basis after changing the net assumed return by 1% or 2%.

Funded Status on Market Value of Assets Basis						
As of	Valuation Net		Valuation Net Assumed			
10/1	2% Decrease	1% Decrease	Assumed Return	1% Increase	2% Increase	Return Assumption
2021	87.17%	97.90%	109.09%	120.67%	132.58%	7.65%
2020	77.49%	86.85%	96.61%	106.73%	117.13%	7.75%
2019	69.70%	78.48%	87.71%	97.34%	107.34%	7.80%
2018	69.74%	78.61%	87.95%	97.71%	107.84%	7.80%
2017	66.15%	74.61%	83.53%	92.87%	102.61%	7.90%
2016		71.16%	79.21%	87.54%		7.90%
2015		72.21%	79.88%	87.84%		8.00%
2014		75.71%	84.10%	92.86%		8.00%

Longevity and Other Demographic Risks: The estimated liability of the Plan is based on assumptions related to mortality, retirement, disability and termination. To the extent that Plan experience is different than these assumptions the gains and losses affect future required contributions and estimated liability.

Contribution Risk: The possibility that the plan sponsor does not make contributions to the plan according to the funding policy.

Intergenerational equity risk: Intergenerational equity is the concept that resources do not belong to a specific generation and they must be preserved for future generations. One way to alleviate this risk is to pay for benefits over the average future service of the group receiving benefits. Members may feel

there are inequities when one is paying more than others, receiving less than others, or paying more than others in relation to what they are receiving.

Plan maturity measures may help understand the risks associated with the plan. As the Plan matures, the ratio of the Market Value of Assets to the Covered Payroll increases. As this ratio gets larger, the impact of asset volatility has a larger effect on the volatility of the Minimum Required Contribution as a percentage of pay.

Year Ending <u>9/30</u>	Market Value of <u>Assets</u>	<u>Payroll</u>	Asset Volatility <u>Ratio</u>
2021	\$23,032,574	\$5,105,988	4.5
2020	19,271,267	5,056,951	3.8
2019	17,336,944	4,957,236	3.5
2018	16,827,700	4,766,306	3.5
2017	15,304,541	4,573,157	3.3
2016	14,412,104	4,387,506	3.3
2015	13,177,393	3,864,720	3.4
2014	12,863,211	4,094,475	3.1
2013	11,561,929	4,073,876	2.8
2012	10,534,827	4,130,994	2.6
2011	9,211,284	4,491,153	2.1
2010	9,255,489	4,387,013	2.1
2009	8,259,764	4,382,880	1.9
2008	7,794,927	4,280,250	1.8
2007	8,707,729	4,319,908	2.0
2006	7,799,445	3,812,673	2.0
2005	7,556,027	3,404,809	2.2

Another measure of a pension plan's maturity is the Ratio of Benefit Payments to Contributions. Over the life of a pension plan, it is expected that the majority of the benefits will be paid for by returns rather than contributions. For this to happen, as a plan matures, the plan will eventually pay out more in benefits than it receives in contributions. It is important to understand the magnitude of this difference so that steps can be taken, if necessary, to manage cash flows going forward. The table below provides the Ratio of Benefit Payments to Contributions. Note that there are other cash flows to be considered such as interest and dividends earned or expenses paid by a pension plan.

Year Ending 9/30	Benefit Payments	Contributions	Ratio of Benefit Payments to Contributions
2021	\$1,137,829	\$1,031,014	1.10
2020	908,956	1,024,059	0.89
2019	1,085,673	1,053,726	1.03
2018	961,938	1,037,831	0.93
2017	1,727,630	955,922	1.81
2016	753,910	816,496	0.92
2015	429,686	812,038	0.53
2014	438,263	687,902	0.64
2013	430,909	592,604	0.73
2012	369,733	597,398	0.62
2011	331,636	593,378	0.56
2010	285,862	598,474	0.48
2009	326,637	604,644	0.54
2008	372,445	581,872	0.64
2007	353,667	573,603	0.62
2006	889,447	497,856	1.79
2005	437,598	493,101	0.89

When looking at Net Cash Flows, it is useful to understand the relative size of the cash flows in comparison to the Market Value of Assets. The following table provides the ratio of the Net Cash Flows divided by the Market Value of Assets. As mentioned previously, there are other cash flows to be considered such as interest and dividends earned or expenses paid by a pension plan.

Year Ending 9/30	<u>Contributions</u>	<u>Disbursements</u>	<u>Assets</u>	Net Cash Flow Divided by <u>Assets</u>
2021	\$1,031,014	\$1,201,099	\$23,032,574	(0.01)
2020	1,024,059	976,131	19,271,267	0.00
2019	1,053,726	1,151,067	17,336,944	(0.01)
2018	1,037,831	1,022,033	16,827,700	0.00
2017	955,922	1,773,916	15,304,541	(0.05)
2016	816,496	809,085	14,412,104	0.00
2015	812,038	494,147	13,177,393	0.02
2014	687,902	515,662	12,863,211	0.01
2013	592,604	496,127	11,561,929	0.01
2012	597,398	398,023	10,534,827	0.02
2011	593,378	384,780	9,211,284	0.02
2010	598,474	328,340	9,255,489	0.03
2009	604,644	364,408	8,259,764	0.03
2008	581,872	413,350	7,794,927	0.02
2007	573,603	397,216	8,707,729	0.02
2006	497,856	915,190	7,799,445	(0.05)
2005	493,101	455,052	7,556,027	0.01

Section 2 Results Derivation

In this section, the assets and liabilities of the Plan are shown in detail. Assets and liabilities are then compared to determine the funded status and minimum funding requirements.

While asset information is based on the fair market value of assets, along with any techniques used to smooth out market fluctuations, liabilities are determined through a combination of the benefit provisions, participant census data which contains information for the members who will receive those benefits, and the methods and assumptions used with regard to how benefits will be paid to members. A summary of participant data, an outline of the benefit provisions, and a description of the methods and assumptions used in this valuation are described in Section 4.

Financial Information

Over the life of the Plan, the majority of assets are typically generated from investment return. In this section, we describe how the assets of the Plan are invested, show how the actuarial value of assets is derived, and review the investment results since the prior valuation.

Investment Allocation

Valuation Date	October 1, 2020		October 1, 2021	
	Value	Percentage	Value	Percentage
Stocks	\$13,679,824	71%	\$16,061,338	70%
Fixed Income Securities	3,459,988	18%	3,715,042	16%
Cash and Cash Equivalents	414,017	2%	484,707	2%
Real Estate	1,710,795	9%	1,888,105	8%
Infrastructure	0	0%	874,218	4%
Net Receivables	<u>6,643</u>	<u>0%</u>	<u>9,164</u>	<u>0%</u>
Fair Market Value of Assets	\$19,271,267	100%	\$23,032,574	100%

Reconciliation of Market Value of Assets

Year Ending September 30,	2020	2021
1. Market Value of Assets at Beginning of Year	\$17,336,944	\$19,271,267
2. Contributions		
a. Employer	\$720,642	\$724,655
b. Plan Members	<u>303,417</u>	<u>306,359</u>
c. Total Contributions	\$1,024,059	\$1,031,014
3. Investment Income		
a. Realized Appreciation (Depreciation)	\$100,583	\$1,912,078
b. Unrealized Appreciation (Depreciation)	1,493,034	1,718,793
c. Interest plus Dividends	352,092	365,313
d. Investment Expense	<u>(59,314)</u>	<u>(64,792)</u>
e. Net Investment Income	\$1,886,395	\$3,931,392
4. Deductions		
a. Benefits	(\$856,380)	(\$926,867)
b. Refund of Contributions	(52,576)	(112,941)
c. DROP Balance Disbursement	0	(98,021)
d. Administrative Expense	<u>(67,175)</u>	<u>(63,270)</u>
e. Total Deductions	(\$976,131)	(\$1,201,099)
5. Net Increase	<u>\$1,934,323</u>	<u>\$3,761,307</u>
6. Market Value of Assets at End of Year	\$19,271,267	\$23,032,574
7. Return on Market Value of Assets = $2I / (A + B - I)$	10.87%	20.49%

Development of Actuarial Value of Assets

The Market Value of Assets is adjusted to recognize investment earnings greater than (or less than) the assumed net investment return over a five-year period. The Actuarial Value of Assets is no more than 120% and no less than 80% of the Market Value of Assets.

1.	Market Value of Assets as of October 1, 2021			\$23,032,574
2.	Phase-In Gains (Losses) Over Five Year Period			
	<u>Year Ending</u>	<u>Original Gain (Loss)</u>	<u>Percent Unrecognized</u>	<u>Unrecognized Gain (Loss)</u>
	a. September 30, 2021	\$2,427,893	80%	\$1,942,314
	b. September 30, 2020	515,656	60%	309,394
	c. September 30, 2019	(718,125)	40%	(287,250)
	d. September 30, 2018	280,156	20%	<u>56,031</u>
	e. Total			\$2,020,489
3.	Preliminary Actuarial Value of Assets			\$21,012,085
4.	Corridor Around Market Value			
	a. Minimum = 80% of Market Value of Assets			\$18,426,059
	b. Maximum = 120% of Market Value of Assets			\$27,639,089
	c. Corridor Adjustment to Preliminary Actuarial Value			\$0
5.	Actuarial Value of Assets as of October 1, 2021			\$21,012,085

Development of Historical Gain or Loss on Market Value of Assets

Fiscal Year End	2021	2020
1. Market Value of Assets - Beginning of Year	\$19,271,267	\$17,336,944
2. Expected Interest on Assets	1,493,523	1,352,282
3. Contributions	1,031,014	1,024,059
4. Benefit Payments + Administrative Expenses	(1,201,099)	(976,131)
5. Interest on items (3) and (4)	<u>9,976</u>	<u>18,457</u>
6. Expected Value of Assets at End of Year	\$20,604,681	\$18,755,611
7. Market Value of Assets - End of Year	\$23,032,574	\$19,271,267
8. Gain (Loss) for Plan Year = (7) - (6)	\$2,427,893	\$515,656

Fiscal Year End	2019	2018
1. Market Value of Assets - Beginning of Year	\$16,827,700	\$15,304,541
2. Expected Interest on Assets	1,312,561	1,209,059
3. Contributions	1,053,726	1,037,831
4. Benefit Payments + Administrative Expenses	(1,151,067)	(1,022,033)
5. Interest on items (3) and (4)	<u>12,149</u>	<u>18,146</u>
6. Expected Value of Assets at End of Year	\$18,055,069	\$16,547,544
7. Market Value of Assets - End of Year	\$17,336,944	\$16,827,700
8. Gain (Loss) for Plan Year = (7) - (6)	\$(718,125)	\$280,156

Historical Asset Values

<u>Year Ending September 30,</u>	<u>Actuarial Value of Assets</u>	<u>Fair Market Value of Assets</u>	<u>% Market Return</u>	<u>% Actuarial Return</u>	<u>% Assumed Return</u>
2021	\$21,012,085	\$23,032,574	20.49 %	11.20 %	7.75 %
2020	19,058,024	19,271,267	10.87 %	8.81 %	7.80 %
2019	17,469,725	17,336,944	3.62 %	7.24 %	7.80 %
2018	16,384,954	16,827,700	9.84 %	8.39 %	7.90 %
2017	15,101,483	15,304,541	12.21 %	7.74 %	7.90 %
2016	14,805,468	14,412,104	9.31 %	7.34 %	8.00 %
2015	13,786,010	13,177,393	(0.03)%	5.94 %	8.00 %
2014	12,703,666	12,863,211	9.69 %	7.45 %	8.00 %
2013	11,657,004	11,561,929	8.79 %	6.11 %	8.00 %
2012	10,892,465	10,534,827	12.07 %	1.82 %	8.00 %

Historical Contribution Amounts

<u>Year Ending September 30,</u>	<u>Employer</u>	<u>Members</u>	<u>Total</u>
2021	\$724,655	\$306,359	\$ 1,031,014
2020	720,642	303,417	1,024,059
2019	756,292	297,434	1,053,726
2018	751,853	285,978	1,037,831
2017	680,623	275,299	955,922
2016	561,465	255,031	816,496
2015	562,320	249,718	812,038
2014	443,171	244,731	687,902
2013	346,097	246,507	592,604
2012	337,661	259,737	597,398

Historical Deductions from Fund

<u>Year Ending September 30,</u>	<u>Benefits</u>	<u>Refunds</u>	<u>Administrative Expense</u>	<u>Total</u>
2021	\$1,024,888	\$112,941	\$63,270	\$1,201,099
2020	856,380	52,576	67,175	976,131
2019	947,727	137,946	65,394	1,151,067
2018	852,788	109,150	60,095	1,022,033
2017	1,693,784	33,846	46,286	1,773,916
2016	689,192	64,718	55,175	809,085
2015	352,136	77,550	64,461	494,147
2014	358,103	80,160	77,399	515,662
2013	370,923	59,986	65,218	496,127
2012	279,100	90,633	28,290	398,023

Present Value of Benefits

Valuation as of October 1,	2020	2021
1. Active Members		
a. Retirement Benefits	\$11,762,157	\$10,883,780
b. Deferred Benefits	911,449	982,318
c. Survivor Benefits	372,802	367,395
d. Disability Retirement	<u>517,710</u>	<u>516,255</u>
e. Total for Active Members	\$13,564,118	\$12,749,748
2. Inactive Members		
a. Retired Members	\$9,763,227	\$11,238,365
b. Terminated members	387,319	320,117
c. Beneficiaries	888,177	871,932
d. Disability Retirement	<u>94,642</u>	<u>92,761</u>
e. Total for Inactive Members	\$11,133,365	\$12,523,175
3. Present Value of Benefits (PVB)	\$24,697,483	\$25,272,923

Accrued Liability

Valuation as of October 1,	2020	2021
1. Active Members		
a. Retirement Benefits	\$8,333,482	\$8,026,187
b. Deferred Benefits	113,389	134,139
c. Survivor Benefits	161,378	186,148
d. Disability Retirement	<u>204,988</u>	<u>244,228</u>
e. Total for Active Members	\$8,813,237	\$8,590,702
2. Inactive Members		
a. Retired Members	\$9,763,227	\$11,238,365
b. Terminated members	387,319	320,117
c. Beneficiaries	888,177	871,932
d. Disability Retirement	<u>94,642</u>	<u>92,761</u>
e. Total for Inactive Members	\$11,133,365	\$12,523,175
3. Accrued Liability	\$19,946,602	\$21,113,877

Normal Cost

Valuation as of October 1,		2020	2021
1.	Preliminary Normal Cost		
a.	Retirement Benefits	\$454,143	\$426,649
b.	Deferred Benefits	98,543	115,366
c.	Survivor Benefits	28,331	27,470
d.	Disability Retirement	<u>40,784</u>	<u>40,090</u>
e.	Total	\$621,801	\$609,575
2.	Total Normal Cost		
a.	Preliminary Normal Cost	\$621,801	\$609,575
b.	Estimated Administrative Expense	<u>67,175</u>	<u>63,270</u>
c.	Total Normal Cost	\$688,976	\$672,845
d.	Total Normal Cost as a Percent of Pay	14.68 %	12.73 %
3.	Employer Normal Cost		
a.	Preliminary Normal Cost	\$621,801	
b.	Actual Administrative Expense	63,270	
c.	Actual Employee Contributions	<u>(306,359)</u>	
d.	Employer Normal Cost	\$378,712	
4.	Valuation Payroll	\$4,691,935	\$5,286,799

Unfunded Accrued Liability

Unfunded Accrued Liability

1. Accrued Liability	\$21,113,877
2. Actuarial Value of Assets	<u>(21,012,085)</u>
3. Unfunded Accrued Liability	\$101,792

Determination of Expected Unfunded Accrued Liability

1. Unfunded Accrued Liability as of Prior Year	\$888,578
2. Interest for a full year on (1)	68,865
3. Employer Normal Cost (Including Administrative Expenses) Prior Yr.	378,712
4. Interest for a full year on (3)	29,350
5. City Contribution	(724,655)
6. Interest on Contribution for Time on Deposit	(44,648)
7. Change in Plan, Methods or Assumptions	<u>(134,302)</u>
8. Expected Unfunded Accrued Liability	\$461,900

Calculation of (Gain) or Loss

1. Actual Unfunded Accrued Liability	\$101,792
2. Expected Unfunded Accrued Liability	<u>461,900</u>
3. Total (Gain) or Loss	\$(360,108)

Reconciliation of Unfunded Accrued Liability

1. Unfunded Accrued Liability as of Prior Year	\$888,578
2. Total Change in Unfunded Accrued Liability	
a. Expected Change in Unfunded Accrued Liability	\$(292,376)
b. Change in Plan, Methods or Assumptions	(134,302)
c. Change Due to (Gain) or Loss	
i. Portion of (Gain) / Loss Due to Investments	\$(637,173)
ii. Portion of (Gain) / Loss Due to Demographic Experience	<u>277,065</u>
iii. Total (Gain) or Loss	\$(360,108)
d. Total Change in Unfunded Accrued Liability	\$(786,786)
3. Unfunded Accrued Liability	\$101,792

Determination of Investment Gain (Loss)

1. Actuarial Value of Assets - Beginning of Year	\$19,058,024
2. Expected Interest on Beginning Value	1,476,997
3. Contributions (Employer)	724,655
4. Contributions (Employee)	306,359
5. Benefit Payments	(1,137,829)
6. Administrative Expenses	(63,270)
7. Interest on Contributions and Disbursements	<u>9,976</u>
8. Expected Value of Assets at End of Year	\$20,374,912
9. Actuarial Value of Assets - End of Year	\$21,012,085
10. Gain (Loss) for Plan Year = (9) - (8)	\$637,173
11. Actuarial Investment Income	\$2,124,146
12. Return on Actuarial Value of Assets	11.20 %

Amortization of Unfunded Liability

The Unfunded Actuarial Accrued Liability is being amortized as a level dollar amount based on the net assumed return assumption. Changes in the Unfunded Actuarial Accrued Liability due to plan changes, assumption changes, method changes, or gains and losses are all amortized over a 25-year period.

Amortization Bases

	10/1	Source	Original Balance	Remaining Balance	Adjusted Remaining Balance	Years Remain	Level \$ Amort
1.	2005	Method Change	\$(387,558)	\$(302,771)	\$(209,388)	14	\$(23,116)
2.	2006	Actuarial Loss	106,045	83,981	58,079	15	6,169
3.	2007	Actuarial Loss	131,907	105,444	72,922	16	7,483
4.	2008	Actuarial Loss	1,566,340	1,259,126	870,773	17	86,619
5.	2008	Method Change	5,097	4,097	2,833	17	282
6.	2008	Method Change	(1,333,766)	(1,072,166)	(741,477)	17	(73,757)
7.	2009	Actuarial Loss	317,686	255,961	177,015	18	17,122
8.	2010	Actuarial Loss	30,104	24,241	16,764	19	1,581
9.	2010	Plan Change	394,556	317,704	219,714	19	20,720
10.	2011	Actuarial Loss	548,021	439,853	304,189	20	28,035
11.	2012	Actuarial Gain	(66,804)	(53,319)	(36,874)	21	(3,328)
12.	2012	Asmp/Method Chg	810,340	646,788	447,299	21	40,373
13.	2013	Actuarial Loss	327,128	261,326	180,725	22	16,005
14.	2013	Assumption Chg	21,426	17,115	11,836	22	1,048
15.	2014	Actuarial Loss	40,289	32,361	22,380	23	1,948
16.	2014	Assumption Chg	22,355	17,955	12,417	23	1,081
17.	2015	Actuarial Loss	132,333	104,007	71,928	19	6,783
18.	2015	Assumption Chg	23,782	18,690	12,925	19	1,219
19.	2016	Actuarial Gain	(120,869)	(97,447)	(67,391)	20	(6,211)
20.	2016	Assumption Chg	840,843	677,902	468,816	20	43,208
21.	2017	Actuarial Gain	(133,464)	(110,523)	(76,434)	21	(6,899)
22.	2017	Assumption Chg	32,034	26,527	18,345	21	1,656
23.	2018	Actuarial Gain	(544,634)	(472,382)	(326,685)	22	(28,931)
24.	2018	Assumption Chg	206,529	179,130	123,881	22	10,971
25.	2019	Actuarial Gain	(221,413)	(205,902)	(142,395)	23	(12,394)
26.	2019	Plan Change	(45,645)	(42,447)	(29,355)	23	(2,555)
27.	2020	Actuarial Gain	(1,052,580)	(1,037,648)	(717,605)	24	(61,476)
28.	2020	Assumption Chg	(218,604)	(215,503)	(149,035)	24	(12,768)
29.	2021	Actuarial Gain	(360,108)	(360,108)	(360,108)	25	(30,406)
30.	2021	Assumption Chg	(134,302)	<u>(134,302)</u>	<u>(134,302)</u>	25	<u>(11,340)</u>
Scheduled Amortization Payment							\$19,122
Outstanding Bases				\$367,690	\$101,792		
Unfunded Accrued Liability					101,792		

Projected Unfunded Accrued Liability and Amortization Payments

Plan Year Beginning October 1	Total Outstanding Bases	Total Amortization Payment
2021	\$101,792	\$19,122
2022	88,994	19,122
2023	75,217	19,122
2024	60,387	19,122
2025	44,422	19,122
2026	27,235	19,122
2027	8,734	19,122
2028	(11,183)	19,122
2029	(32,623)	19,122
2030	(55,704)	19,122
2031	(80,550)	19,122
2032	(107,297)	19,122
2033	(136,090)	19,122
2034	(167,086)	19,127
2035	(200,458)	42,240
2036	(261,265)	36,059
2037	(320,069)	28,564
2038	(375,303)	15,437
2039	(420,632)	(1,669)
2040	(451,013)	(31,992)
2041	(451,076)	(97,040)
2042	(381,120)	(128,823)
2043	(271,598)	(127,903)
2044	(154,687)	(115,944)
2045	(41,707)	(41,707)
2046	0	0

Actions Taken to Reduce Unfunded Actuarial Accrued Liability

The required contributions calculated each year include a payment for the amortization of the unfunded actuarial accrued liability. This payment is designed to reduce the unfunded actuarial accrued liability in an orderly fashion over the next 25 years.

Minimum Funding Requirements

Determination of Required Contribution

Valuation as of October 1, Funding for Year Ending September 30,	2020 2022	2021 2023
1. Minimum Required Contribution		
a. Total Normal Cost	\$688,976	\$672,845
b. Amortization of Unfunded Accrued Liability	<u>88,487</u>	<u>19,122</u>
c. Beginning of Year Contribution	\$777,463	\$691,967
d. Interest	<u>78,853</u>	<u>70,697</u>
e. Minimum Required Contribution	\$856,316	\$762,664
2. Contribution by Source - \$ Amount		
a. City Policy Contribution	\$574,800	\$445,456
b. Expected Member Contributions	<u>281,516</u>	<u>317,208</u>
c. Total	\$856,316	\$762,664
3. Contribution by Source - % Pay		
a. City Policy Contribution	12.25 %	8.43 %
b. Expected Member Contributions	<u>6.00 %</u>	<u>6.00 %</u>
c. Total	18.25 %	14.43 %
4. Valuation Payroll	\$4,691,935	\$5,286,799
5. Key Assumptions		
a. Net Assumed Rate of Return	7.75 %	7.65 %
b. Assumed Valuation Payroll Increase	0.00 %	0.00 %

Note: The \$574,800 minimum funding requirement for fiscal 2022 must be deposited on December 15, 2021. The \$445,456 minimum funding requirement for fiscal 2023 must be deposited on December 15, 2022.

Reconciliations

Reconciliation of Funded Status

	Unfunded Accrued Liability	Funded Percentage	Change in Unfunded Accrued Liability	Change in Funded Percentage
As of Prior Valuation	\$888,578	95.55 %		
Changes in due to:				
Normal Operation of Plan	596,202	97.16 %	\$(292,376)	1.61 %
Investment Experience	(40,971)	100.20 %	(637,173)	3.04 %
Demographic Experience	236,094	98.89 %	277,065	(1.31)%
Revise Termination Rates	305,302	98.57 %	69,208	(0.32)%
Revise Salary Scale	(117,145)	100.56 %	(422,447)	1.99 %
Net Return 7.65%	101,792	99.52 %	<u>218,937</u>	<u>(1.04)%</u>
Total Changes			\$(786,786)	3.97 %
As of Current Valuation	\$101,792	99.52 %		

Reconciliation of City Minimum Funding Requirement

	Dollar Amount	% of Pay
City Required Contribution for Fiscal 2022	\$574,800	12.25 %
Changes in Contribution due to:		
Normal Operation of Plan	\$0	0.00 %
Change in Expenses	(4,270)	(0.09)%
Investment Experience	(59,295)	(1.26)%
Demographic Experience	40,331	(0.47)%
Revise Termination Rates	(35,996)	(0.68)%
Revise Salary Scale	(101,298)	(1.91)%
Net Return 7.65%	<u>31,184</u>	<u>0.59 %</u>
Total Changes	\$(129,344)	(3.82)%
City Required Contribution for Fiscal 2023	\$445,456	8.43 %

Note: The City required contributions shown above must be deposited on December 15.

Section
3

Accounting Information

Information Required by GASB 67/68

A supplemental report provides information under the Governmental Accounting Standards Board No. 67/68.

Statement of Accumulated Plan Benefits

The present value of accrued benefits is an estimate of the liability for all benefits accrued to date.

Valuation as of October 1,	2020	2021
1. Actuarial present value of accumulated benefits		
a. Participants currently receiving benefits	\$10,746,046	\$12,203,058
b. Other participants	<u>6,275,056</u>	<u>5,528,440</u>
c. Vested participants	\$17,021,102	\$17,731,498
d. Nonvested participants	<u>1,235,372</u>	<u>1,475,805</u>
e. Total	\$18,256,474	\$19,207,303
2. Change in actuarial present value of accumulated benefits		
a. Actuarial present value of accumulated benefits beginning of year		\$18,256,474
b. Increase (decrease) during year attributable to:		
i. Plan amendment		\$0
ii. Change in assumptions or methods		118,277
iii. Increase for interest and probability of payment due to decrease in discount period and benefits accrued		1,970,381
iv. Benefits paid		(1,137,829)
v. Other		<u>0</u>
vi. Net increase (decrease)		\$950,829
c. Actuarial present value of accumulated benefits end of year		\$19,207,303

Other Disclosures Required by the State of Florida

Valuation as of October 1,	2020	2021
Present value of active member:		
Future salaries (attained age)	\$37,477,210	\$37,944,446
Future contributions (attained age)	\$2,248,633	\$2,276,667
Balance of contributions with interest for actives	\$2,791,635	\$2,600,226

Required Disclosure Under F.S. 112.664(1)

As required under F.S. Section 112.664(1) we have produced the following information:

- (a) Total pension liability calculated based on mortality used in one of the last two Florida Retirement System (FRS) valuations. This actuarial valuation assumes mortality as used in the July 1, 2019 and 2020 actuarial valuations for not special risk members and not school instructional personnel in FRS.
- (b) Total pension liability calculated using an assumed interest rate that is 200 basis points lower than that assumed in the valuation of the Plan.
- (c) Determination of the number of months or years for which the current market value of assets is adequate to sustain the payment of expected retirement benefits.
- (d) Recommended contribution to the Plan using the most recent valuation and the contributions necessary prepared pursuant to (a) and (b) stated as a dollar amount and % of payroll.

	2% Decrease (5.65%)	Current Discount Rate (7.65%)	2% Increase (9.65%)
Total pension liability	\$26,424,030	\$21,113,877	\$17,373,210
Plan fiduciary net position	<u>(23,032,574)</u>	<u>(23,032,574)</u>	<u>(23,032,574)</u>
Net pension liability	<u>\$3,391,456</u>	<u>\$(1,918,697)</u>	<u>\$(5,659,364)</u>
 Plan fiduciary net position as a percentage of the total pension liability	 87.17%	 109.09%	 132.58%
 Years of benefit payments:			
Expected for current members:	98	98	98
Paid for with current assets:	20.50	30.24	98.00
 City Contribution Requirement, Plus Expected Employee Contributions			
Dollar Amount	\$1,461,079	\$762,664	\$566,135
Percent of Payroll	27.64%	14.43%	10.71%

Required Disclosure Under F.S. 112.664(2)(b)2.

F.S. Section 112.664(2)(b)2. - For the previous five years, beginning with 2013, a side-by-side comparison of the plan's assumed rate of return compared to the actual rate of return, as well as the percentages of cash, equity, bond and alternative investments in the plan portfolio.

Year Ending September 30,	2021	2020	2019	2018	2017
Assumed rate of return	7.75%	7.8%	7.8%	7.9%	7.9%
Actual rate of return	20.5%	10.9%	3.6%	9.8%	12.2%
Percentages of assets in:					
Cash	2%	2%	2%	1%	2%
Equity	70%	71%	70%	76%	74%
Bond	16%	18%	18%	18%	19%
Alternative	12%	9%	10%	5%	5%
Total	100%	100%	100%	100%	100%

Section 4 Supplementary Information

Summary of Participant Data

Valuation as of October 1,	2020	2021
<u>Active Participants</u>		
Number	132	132
Average Age	46.2	46.3
Average Credited Service	7.8	7.7
Percent Male	70.5	66.7
Average Valuation Salary	\$38,234	\$42,088
Total Valuation Salary	\$5,046,910	\$5,555,655
Payroll Covered in Valuation	\$4,691,935	\$5,286,799
<u>Terminated with Rights to Deferred Benefits</u>		
Number	9	8
Average Age	50.0	49.5
Percent Male	55.6	50.0
Average Monthly Benefit	\$991	\$985
Total Benefits	\$107,059	\$94,552
<u>Retirements (DROP and Service Retirees)</u>		
Number	48	53
Average Age	68.5	68.7
Percent Male	70.8	71.7
Average Monthly Benefit	\$1,592	\$1,658
Total Benefits	\$917,180	\$1,054,272
Total of DROP Account Balances September 30	\$374,985	\$473,852
<u>Beneficiaries</u>		
Number	10	9
Average Age	65.8	63.5
Percent Male	10.0	11.1
Average Monthly Benefit	\$738	\$786
Total Benefits	\$88,618	\$84,925
<u>Disability Retirements</u>		
Number	3	3
Average Age	69.4	70.4
Percent Male	100.0	100.0
Average Monthly Benefit	\$383	\$383
Total Benefits	\$13,786	\$13,786

Number of Active Members by Age and Service as of October 1, 2021

Age	Service									Total
	< 1	< 5	< 10	< 15	< 20	< 25	< 30	< 35	< 40	
< 20										4
< 25	2	2								4
< 30	2	10	1							13
< 35	1	7	2	2						12
< 40	3	9	2		2					16
< 45	4	4	4	1	2	1				16
< 50	2	4	1	1	3					11
< 55	3	5	1	2	4	1				16
< 60	3	4	2	2	1	4	1	3	1	21
< 65	2	3	7	5	3					20
65+	1		2							3
Total	23	48	22	13	15	6	1	3	1	132

Active Valuation Pay by Age and Service as of October 1, 2021

Age	Service									Total
	< 1	< 5	< 10	< 15	< 20	< 25	< 30	< 35	< 40	
< 20										34,752
< 25	33,594	35,911								34,597
< 30	33,594	34,958	32,993							40,398
< 35	36,608	36,339	34,683	62,213						38,644
< 40	34,129	39,290	41,913		39,238					46,216
< 45	34,420	39,874	61,725	58,863	49,370	37,777				50,539
< 50	67,694	41,770	37,752	35,444	60,090					38,029
< 55	34,320	33,526	32,522	38,826	45,809	44,469				50,764
< 60	57,625	42,559	40,299	41,383	43,362	50,590	52,435	60,341	80,401	38,645
< 65	32,232	39,678	35,963	38,046	49,146					40,330
65+	34,320		43,335							42,088
Total	40,046	37,768	41,926	43,799	48,768	47,434	52,435	60,341	80,401	

DROP Balance Reconciliation

Year Ending September 30,	2020	2021
1. Beginning Balance	\$249,573.39	\$374,985.43
2. Additions	\$118,904.93	\$170,224.39
3. Interest	\$6,507.11	\$26,663.78
4. Distributions	\$0.00	\$98,021.30
5. Ending Balance	\$374,985.43	\$473,852.30

Reconciliation of Plan Participants

	Active	Retired	DROP	Deferred Vested	Disabled	Survivor	Total
October 1, 2020	132	42	6	9	3	10	202
Retired	-4	6	-1	-1			0
DROP Entrant	-1		1				0
Nonvested Termination	-20						-20
Death		-1				-1	-2
Additions	25						25
October 1, 2021	132	47	6	8	3	9	205

Outline of Plan Provisions

Plan Type: Single-employer Defined Benefit Pension Plan

Legal Authority: The Plan was established and is amended by local ordinance.

Effective Date: November 1, 1969. Plan amendment and restatement adopted December 4, 2019 effective December 14, 2019 with Ordinance No. 1764-2019. Subsequently amended by Ordinance No. 1766-2019, 1775-2020, 1778-2020, and 1793-2020.

Plan Administrator: The Board of Trustees

Board Composition: Two members are elected from among the general employees of the City, who are members of the plan, two city residents appointed by the Commission and one person is chosen by a majority of the previous four members.

Funding Requirements: Employer contributions are actuarially determined and subject to State statute. Employee contributions are as described below and may be amended by ordinance.

Plan Year: The 12-month period from October 1st to the next September 30th.

Member: Full-time General or Waste Water employees (excluding the Mayor, City Council, City Attorney and assistants) participate in the Plan immediately upon hire. A one-time option is provided for a person initially hired as a City Manager to irrevocably opt out of the Plan. The option must be exercised before the commencement date of employment with the City.

Credited Service: Employee service computed in years and completed calendar months. See Ordinance 1778-2020 regarding the "cross-credit" of service.

Vesting: Members become 100% vested after earning 10 years of Credited Service.

Basic Compensation: Total compensation actually paid in a Plan Year by the City including tax deferred compensation and excluding overtime, commissions, bonuses, expense allowances and payment for accrued annual leave, accrued sick leave, and accrued compensatory leave.

Employee Contributions: 6.0% of Basic Compensation. Members receive benefits under the Plan no less than the value of their accumulated Employee Contributions with interest.

Members who terminate non-vested are entitled to the return of Employee Contributions accumulated with interest to the first day of the month in which termination occurs. The interest rate for accumulation was 5% from October 1, 1984 until October 1, 2019 when it was revised to 1.5%. Prior to October 1, 1984 a different interest rate was credited to Employee Contributions.

Average Monthly Compensation: The sum of the highest five successive Plan Years of Basic Compensation in the last ten Plan Years of employment divided by 60.

Normal Retirement Date: The first day of the month coincident with or next following attainment of age 65 and 10 years of Credited Service.

Accrued Benefit: The amount of monthly retirement income payable at the Normal Retirement Date is determined according to the following formula:

$$2.75\% \times \text{Average Monthly Compensation} \times \text{Credited Service up to 30 years}$$

The Accrued Benefit is payable in the form of a life only annuity. However, any member with a spouse shall receive an actuarially equivalent 50% joint and survivor annuity unless the member chooses another Optional Form of Retirement Income.

Members who terminate employment 100% vested prior the Normal Retirement Date are eligible to receive their Accrued Benefit once the age requirements for the Normal Retirement Date are met, provided Employee Contributions remain in the Plan.

Late Retirement Benefit: The amount of monthly retirement income payable to a Member who retires after the Normal Retirement Date is the greater of (i) the monthly retirement income which can be provided by the single-sum value of the Accrued Benefit payable if he had retired at the Normal Retirement Date, accumulated with interest from the Normal Retirement Date to the date the monthly retirement income payments are to commence, and (ii) the monthly retirement income computed as described for the Accrued Benefit using Credited Service and Average Monthly Compensation determined at the Member's actual retirement date.

Early Retirement Date: The first day of the month coincident with or next following the date an employee retires prior to the Normal Retirement Date after attainment of age 55 and 10 years of Credited Service.

Early Retirement Benefit: The Accrued Benefit is reduced for commencement earlier than the Normal Retirement Date at a rate of 5/9% for the first 60 months and 5/18% thereafter. However, the minimum monthly retirement income for a Member who retires before the Normal Retirement Date with 25 years Credited Service is 60% x Average Monthly Compensation.

Members who terminate employment 100% vested prior to reaching the Early Retirement Date age requirements may elect to receive an Early Retirement Benefit once the age requirements are met, provided Employee Contributions remain in the Plan.

Members who terminate employment 100% vested prior the Normal Retirement Date but on or after their Early Retirement Date but do not commence receipt of an Early Retirement Benefit at that time will receive a monthly retirement income not less than the monthly retirement income which can be provided by the single-sum value of the monthly early retirement income which would have been payable if he had retired immediately upon termination, accumulated with interest from termination to the date the monthly retirement income payments are to commence.

Members who recover from Disability Retirement and who were eligible for an Early Retirement Benefit at the date of disability may elect to receive this benefit upon recovery from disability.

Disability Retirement: This benefit is payable from the first day of the month coincident with or next following the date the Retirement Committee approves the Member's Disability Retirement. The benefit is payable in the form of a 10 year certain and continuous annuity. The last payment is that due next preceding the earlier of (1) the date of recovery prior to the Normal Retirement Date and (2) the later of the date of death or the 120th payment. The amount of monthly retirement income is determined as follows:

- (a) Non-Line of Duty: Members with less than 10 years of Credited Service upon disability receive a monthly retirement income which can be provided by the greater of (i) the single-sum value of the Accrued Benefit and (ii) 2 x Basic Compensation paid in the Plan Year immediately preceding disability. The monthly retirement income which can be provided by (ii) is limited to 60% x Anticipated Monthly Retirement Income at the Normal Retirement Date.
- (b) Non-Line of Duty: Members with 10 years of Credited Service or more upon disability receive a monthly retirement income which is the greater of (i) the monthly retirement income which can be provided by the single-sum value of the Accrued Benefit and (ii) 30% x Basic Compensation paid in the Plan Year immediately preceding disability where the

single-sum value of this monthly amount does not exceed 100 x the Anticipated Monthly Retirement Income at the Normal Retirement Date.

- (c) Line of Duty: Members receive a monthly retirement income which is 50% x Basic Compensation paid in the Plan Year immediately preceding disability where the single-sum value of this monthly amount does not exceed 100 x the Anticipated Monthly Retirement Income at the Normal Retirement Date.

Members who recover from disability and re-enter the service of the City within 30 days of recovery will be deemed to have continuous service except that the period beginning with the first month for which Disability Retirement income was received and ending with the date of service re-entry is not considered as Credited Service.

Anticipated Monthly Retirement Income at the Normal Retirement Date: Determined as described for the Accrued Benefit, but instead using Anticipated Credited Service and Anticipated Average Monthly Compensation. Anticipated Credited Service is employee service computed in years and completed calendar months as if the member remains employed to the Normal Retirement Date. Anticipated Average Monthly Compensation is computed assuming that the last complete Plan Year of Basic Compensation is paid in each Plan Year, without change, to the Normal Retirement Date.

Survivor Benefit at Death of Disabled Member Prior to Disability Retirement: The designated beneficiary of a disabled Member who dies prior to receipt of Disability Retirement benefits is eligible to receive a monthly retirement income payable in the form of a 10 year certain and continuous annuity payable commencing on the first of the month coincident with or next following the date of the disabled Member's death. The designated beneficiary will receive a monthly retirement income which can be provided by the greater of (i) the single-sum value of the Accrued Benefit and (ii) 2 x Basic Compensation paid in the Plan Year immediately preceding disability not more than 100 x Anticipated Monthly Retirement Income at the Normal Retirement Date.

Survivor Benefit at Death of Vested Terminated Members: The designated beneficiary of vested Member who dies prior to retirement is eligible to receive a monthly retirement income payable in the form of a 10 year certain and continuous annuity payable commencing on the first of the month coincident with or next following the Member's death, which can be provided by the single-sum value of the Member's Accrued Benefit or Early Retirement Benefit.

Survivor Benefit at Death of Active Employee Prior to Normal Retirement Date: The designated beneficiary of a Member who dies while in active service prior to the Normal Retirement Date is eligible to receive, commencing on the first of the month coincident with or next following the Member's death, a monthly retirement income (payable in the form of a 10 year certain and continuous annuity) which can be provided by the greater of (i) the single-sum value of the Accrued Benefit as of the date of death, not less than the single-sum value of the Early Retirement Benefit which would have been payable if the Member had retired early on the date of death, and (ii) 2 x Basic Compensation paid in the Plan Year immediately preceding death not more than 100 x Anticipated Monthly Retirement Income at the Normal Retirement Date.

Survivor Benefit at Death of Active Employee After Normal Retirement Date: The designated beneficiary of a Member who dies while in active service after the Normal Retirement Date is eligible to receive, commencing on the first of the month coincident with or next following the Member's death, a monthly retirement income (payable in the form of a 10 year certain and continuous annuity) which can be provided by the single-sum value of the Late Retirement Benefit.

Optional Forms of Retirement Income: In addition to the life only form of annuity, also available under the terms of the Plan are the 10 year certain and continuous annuity and the joint and 50%, 66 2/3%, 75%, or 100% survivor annuity. With the joint and survivor options, the member may also elect the pop-up feature. The Plan also allows for other amounts and forms of retirement income that will meet the circumstances of the Participant, in the opinion of the Retirement Committee, and will not substantially

affect the actuarial soundness of the Plan. Ordinance 1641-2013 was adopted December 18, 2013. Members may no longer be paid their retirement income in a lump sum under Section 3.1, Option 3.

Deferred Retirement Option Program (DROP): Members are eligible to enter the DROP at age 55 with 25 years of service. The Accrued Benefit is frozen and no further Employee Contributions are payable at DROP entry. The Accrued Benefit accumulates with interest in the DROP account and is payable as a single-lump sum (or as an actuarially equivalent annuity) upon DROP exit. The DROP account earns interest at a rate equal to the funds net rate of investment return minus administration fees, unless the DROP participant, as a one-time irrevocable option, elects a self-directed DROP as approved by the board of trustees. The maximum DROP participation duration is 5 years and participation will end if the employee resigns, dies or is terminated with cause prior to completion of the 5 years.

Description of Assumptions and Methods

Assumed Rate of Investment Return: 7.65% per year, net of investment expenses (revised from 7.75% used in the prior actuarial valuation).

Inflation: 2.0% per year. Note this assumption is not used directly in the valuation.

Salary Increase – Individual: Whereas the salary increase assumption at October 1, 2020 was 6.0% per year at all service levels, the assumption has been revised for this October 1, 2021 actuarial valuation to be 5.5% per year for 0-12 years of service and 4.5% per year at service levels over 12 years.

Salary Increase – Total Payroll: Based on individual salary increase assumptions and other decrements assumed in the valuation of Plan liabilities.

Unfunded accrued liability is amortized as a level dollar amount.

Mortality: Mortality rates are those required by state statute. Mortality is as assumed for the Florida Retirement System (FRS) valuation as of July 1, 2019 and 2020 for not special risk and not school instructional personnel, as follows:

The following two sex distinct tables are used with fully generational mortality improvements using sex distinct Scale MP-2018.

Healthy Active: PubG.H-2010(B) (male set back 1 year)

Healthy Retiree: PubG.H-2010(B) (male set back 1 year)

Juvenile rates were used for ages 15-17.

The active table references the healthy retiree rates, above, at ages 81+.

The healthy retiree table references the active mortality rates, above, before age 51.

The following sex distinct table was used with no mortality improvement assumed:

Disabled Retiree: PubG.H-2010 (male and female set forward 3 years)

Retirement: Members are assumed to retire at a rate of 100% at either 65 and 10 years of service or 55 and 25 years of service, whichever decrement produces the higher liability.

Termination: Rates of termination were revised for this October 1, 2021 actuarial valuation. Unisex rates of termination are as follows (with linear interpolation for interim ages):

Age by Service

Values:

Age	0	1	2	3	4	5	6	7	8	9	>=10
20	0.3882	0.3624	0.2910	0.2202	0.1872	0.1716	0.1488	0.1416	0.1356	0.1308	0.1125
25	0.3312	0.2712	0.2226	0.1758	0.1536	0.1392	0.1194	0.1110	0.0978	0.0870	0.0610
30	0.3150	0.2280	0.1848	0.1584	0.1386	0.1242	0.1086	0.0960	0.0858	0.0780	0.0530
35	0.3150	0.2136	0.1704	0.1512	0.1308	0.1194	0.1050	0.0924	0.0822	0.0750	0.0465
40	0.3006	0.1878	0.1446	0.1278	0.1086	0.0984	0.0882	0.0792	0.0708	0.0660	0.0330
45	0.3006	0.1866	0.1410	0.1236	0.1056	0.0924	0.0852	0.0762	0.0690	0.0642	0.0300
50	0.2868	0.1800	0.1332	0.1116	0.0978	0.0834	0.0756	0.0684	0.0636	0.0594	0.0325
55	0.3312	0.2160	0.1668	0.1422	0.1176	0.1032	0.0804	0.0708	0.0654	0.0636	0.0520
60	0.3312	0.2160	0.1668	0.1410	0.1158	0.1020	0.0792	0.0696	0.0642	0.0618	0.0655
65+	0.3312	0.2160	0.1668	0.1410	0.1158	0.1020	0.0792	0.0696	0.0642	0.0618	0.0410

In the October 1, 2020 actuarial valuation the following sex distinct rates as used for regular employees in the Florida Retirement System actuarial valuation report as of July 1, 2005. Linear interpolation has been used between the rates shown in five year age increments, as follows:

Male Age by Service Values:

Age	0	1	2	3	4	5	6	7	8	9	>=10
20	32.8%	31.8%	25.2%	18.4%	15.8%	13.3%	12.4%	11.7%	11.0%	10.5%	10.9%
25	27.2%	23.2%	19.1%	14.6%	12.7%	11.0%	9.4%	8.8%	7.7%	6.6%	6.9%
30	25.8%	19.2%	15.5%	13.2%	11.8%	10.0%	8.6%	7.5%	6.4%	5.8%	5.2%
35	25.8%	17.9%	14.2%	12.6%	10.9%	9.7%	8.3%	7.2%	6.2%	5.6%	4.7%
40	24.4%	15.8%	12.0%	10.7%	9.0%	8.4%	7.5%	6.6%	5.8%	5.5%	3.3%
45	24.4%	15.7%	11.6%	10.3%	8.8%	7.7%	7.2%	6.3%	5.7%	5.4%	3.0%
50	23.4%	15.2%	10.7%	9.4%	7.9%	6.9%	6.1%	5.6%	5.1%	4.8%	3.3%
55	27.4%	18.4%	14.1%	12.4%	9.9%	8.9%	6.4%	5.5%	4.9%	5.0%	5.0%
60	27.4%	18.4%	14.1%	12.3%	9.7%	8.8%	6.3%	5.4%	4.8%	4.9%	5.9%
65+	27.4%	18.4%	14.1%	12.3%	9.7%	8.8%	6.3%	5.4%	4.8%	4.9%	4.1%

Female Age by Service Values:

Age	0	1	2	3	4	5	6	7	8	9	>=10
20	31.9%	28.6%	23.3%	18.3%	15.4%	15.3%	12.4%	11.9%	11.6%	11.3%	11.6%
25	28.0%	22.0%	18.0%	14.7%	12.9%	12.2%	10.5%	9.7%	8.6%	7.9%	5.3%
30	26.7%	18.8%	15.3%	13.2%	11.3%	10.7%	9.5%	8.5%	7.9%	7.2%	5.4%
35	26.7%	17.7%	14.2%	12.6%	10.9%	10.2%	9.2%	8.2%	7.5%	6.9%	4.6%
40	25.7%	15.5%	12.1%	10.6%	9.1%	8.0%	7.2%	6.6%	6.0%	5.5%	3.3%
45	25.7%	15.4%	11.9%	10.3%	8.8%	7.7%	7.0%	6.4%	5.8%	5.3%	3.0%
50	24.4%	14.8%	11.5%	9.2%	8.4%	7.0%	6.5%	5.8%	5.5%	5.1%	3.2%
55	27.8%	17.6%	13.7%	11.3%	9.7%	8.3%	7.0%	6.3%	6.0%	5.6%	5.4%
60	27.8%	17.6%	13.7%	11.2%	9.6%	8.2%	6.9%	6.2%	5.9%	5.4%	7.2%
65+	27.8%	17.6%	13.7%	11.2%	9.6%	8.2%	6.9%	6.2%	5.9%	5.4%	4.1%

Disability: Sex distinct rates as used for regular employees in the Florida Retirement System actuarial valuation report as of July 1, 2005. Linear interpolation has been used between the rates shown in five year age increments, as follows:

Age	Line-of-Duty		Age	Not Line-of-Duty	
	Male	Female		Male	Female
20	0.004%	0.001%	20	0.000%	0.000%
25	0.006%	0.002%	25	0.030%	0.010%
30	0.010%	0.007%	30	0.058%	0.026%
35	0.018%	0.010%	35	0.073%	0.049%
40	0.029%	0.016%	40	0.102%	0.075%
45	0.044%	0.022%	45	0.188%	0.165%
50	0.069%	0.035%	50	0.313%	0.285%
55	0.095%	0.049%	55	0.523%	0.478%
60	0.099%	0.044%	60	0.687%	0.599%
65+	0.004%	0.001%	65+	0.239%	0.150%

Funding Method: Entry Age Normal (level percent of salary)

A description of the funding method is found on the next page entitled "Glossary of Actuarial Terms."

Glossary of Actuarial Terms

Present Value of Benefits (PVB): The present value, as of the valuation date, of all benefits that will become payable by the Plan for the current group of members in the census.

Normal Cost (NC): Under the Individual Entry Age Normal Cost Method, the annual normal cost for each individual active member is determined as the amount, from the date of employment to the date of retirement, sufficient to accumulate the value of the member's benefit at the time of retirement. The annual normal cost is a constant percentage of the member's projected covered pay.

Accrued Liability (AL): This is the portion of the PVB attributable to the past at the valuation date. For active members, AL is the annual NC accumulated from date of entry to the valuation date for each member. For retired and terminated members, the PVB and the AL are equal. The AL is the estimated liability owed by the pension fund at the valuation date.

Unfunded Accrued Liability (UAL): Any excess of the Accrued Liability over the fund assets. A negative UAL indicates fund assets are greater than the Accrued Liability, otherwise known as a surplus. Actuarial gains/(losses), as they occur, reduce (increase) the Unfunded Actuarial Accrued Liability.

Actuarial Value of Assets: The value of assets used in the actuarial valuation of the Plan which is compared to the AL to determine the UAL and minimum funding requirements. A method may be used to smooth out short term volatility in the fair market value of assets. In this valuation, the Actuarial Value of Assets has been calculated to smooth out unexpected fluctuations in the fair market value of assets over a 5-year period.



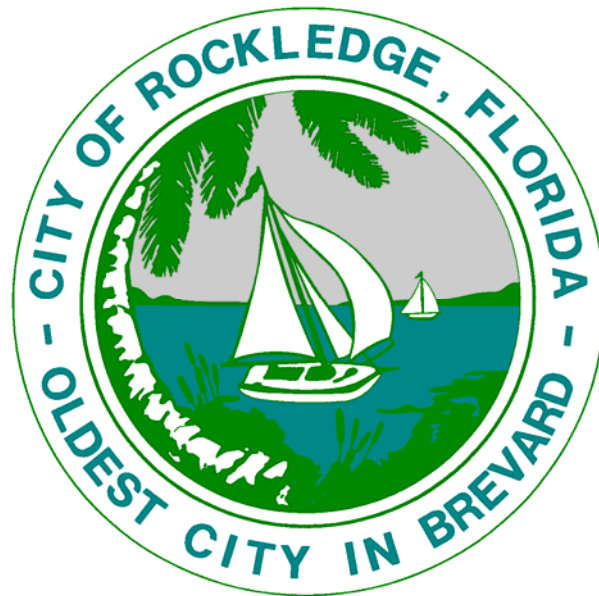
Freiman Little Actuaries, LLC
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Merritt Island, FL 32953

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City of Rockledge

General Employees Retirement Plan

GASB 67/68 Supplement
As of September 30, 2021



REPORT TO PROVIDE DISCLOSURES UNDER GASB STATEMENT NO. 67 AND 68
FOR THE PLAN AND FISCAL YEARS ENDING
SEPTEMBER 30, 2021



January 28, 2022

Board of Trustees
City of Rockledge General Employees Retirement Plan
Rockledge, Florida

RE: GASB 67/68 Supplement as of September 30, 2021

Dear Board Members:

We are pleased to present the Governmental Accounting Standards Board Statement No. 67 (GASB 67) and No. 68 (GASB 68) Supplement as of September 30, 2021 for the City of Rockledge General Employees Retirement Plan (the Plan). Note this report is a supplement to the actuarial valuation report as of October 1, 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.

This report provides information required to be disclosed under GASB 67 and GASB 68 as described in the statement and the implementation guide. The relevant dates are as follows:

GASB 67		GASB 68	
Valuation Date	10/01/2021	Valuation Date	10/01/2021
Measurement Date	09/30/2021	Measurement Date	09/30/2021
Reporting Date	09/30/2021	Reporting Date	09/30/2021

Please let us know if you have any questions or need additional information

Sincerely,

Chad M. Little, ASA, EA
Partner, Consulting Actuary
Enrollment Number 20-6619

Paula C. Freiman, ASA, EA
Partner, Consulting Actuary
Enrollment Number 20-5796

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Statement of Fiduciary Net Position

As of September 30,	2020	2021
Assets		
Receivables:		
Accrued interest and dividends	<u>\$7,909</u>	<u>\$10,430</u>
Total receivables	<u>\$7,909</u>	<u>\$10,430</u>
Investments, at fair value:		
U.S. Government obligations	\$1,900,853	\$1,229,261
Domestic corporate bonds	1,523,020	347,663
Government agency notes	36,115	2,138,118
Domestic stocks	13,679,824	16,061,338
Infrastructure	0	874,218
Real estate	<u>1,710,795</u>	<u>1,888,105</u>
Total investments	<u>\$18,850,607</u>	<u>\$22,538,703</u>
Cash and short-term investments	<u>\$414,017</u>	<u>\$484,707</u>
Total assets	<u>\$19,272,533</u>	<u>\$23,033,840</u>
Liabilities		
Due to other plan	<u>\$1,266</u>	<u>\$1,266</u>
Total liabilities	<u>\$1,266</u>	<u>\$1,266</u>
Net position restricted for pensions	<u>\$19,271,267</u>	<u>\$23,032,574</u>

Statement of Changes in Fiduciary Net Position

As of September 30,	2020	2021
Additions		
Contributions:		
Employer	\$720,642	\$724,655
Member	<u>303,417</u>	<u>306,359</u>
Total contributions	<u>\$1,024,059</u>	<u>\$1,031,014</u>
Investment income (loss):		
Net appreciation (depreciation) in fair value of investments	\$1,593,617	\$3,630,871
Interest and dividends	<u>352,092</u>	<u>365,313</u>
Total investment income	<u>\$1,945,709</u>	<u>\$3,996,184</u>
Less investment expenses:		
Investment expense	<u>\$59,314</u>	<u>\$64,792</u>
Net investment income	<u>\$1,886,395</u>	<u>\$3,931,392</u>
Total additions	<u>\$2,910,454</u>	<u>\$4,962,406</u>
Deductions		
Benefit payments	\$856,380	\$1,024,888
Refunds of contributions	52,576	112,941
Administrative expenses	<u>67,175</u>	<u>63,270</u>
Total deductions	<u>\$976,131</u>	<u>\$1,201,099</u>
Net increase in net position	\$1,934,323	\$3,761,307
Net position restricted for pensions		
Beginning of year	<u>17,336,944</u>	<u>19,271,267</u>
End of year	<u>\$19,271,267</u>	<u>\$23,032,574</u>

Net Pension Liability

The total pension liability under GASB 67 and 68 is based on the October 1, 2021 actuarial valuation which used the following actuarial assumptions applied to all periods included in the measurement.

Inflation:	2.00%	
Salary increases:	Year 0-12	5.50%
	Year 13+	4.50%
Investment rate of return:	7.65% net of investment expense	
Mortality:	From the July 1, 2019 and 2020 FRS not special risk and not school instructional personnel valuation.	

Salary increases and the investment rate of return are both including inflation.

An experience review was performed for the 10-year period preceding October 1, 2020.

The long-term expected net rate of return on investments was determined using a building-block method. Best-estimate ranges of expected future real rates of return (expected returns net of investment expense and inflation) are developed for each major asset class. The long-term expected net rate of return on investments is the best-estimate ranges weighted by the asset allocation plus expected inflation. Best estimates of arithmetic real rates of return for each major asset class as provided by the investment monitor are shown in the following table:

Asset Class	Target Allocation %	Expected Long-Term Real Return*	Weighted Average Expected Long-Term Real Return
Domestic Equity	47.5%	7.50%	3.5625%
International Equity	15.0%	8.50%	1.2750%
Domestic Bonds	17.5%	2.50%	0.4375%
International Bonds	5.0%	3.50%	0.1750%
Real Estate & Infrastructure	15.0%	4.50%	0.6750%
	100.0%		6.1250%

Note, however, that long-term expected net rates of return for actuarial valuations should be compared to geometric returns.

Based on the above target allocation and expected long-term real returns for each asset class, the weighted average expected long-term real return net of inflation is 6.125%. Using the investment monitor's inflation estimate of 2.5% as well as information in the above table from the investment monitor, the expected long-term rate of return net of expenses, including inflation could be 8.625%.

The discount rate used to measure the total pension liability was 7.65%. This is the single rate that reflects the long-term expected rate of return on pension plan investments expected to be used to finance the payment of benefits. A projection of cash flows used to determine the discount rate assumed that plan member contributions are made at the current contribution rate and that City contributions will be made equal to the difference between the actuarially determined contribution and the member contributions. Based on those assumptions, the pension plan's fiduciary net position is projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments is applied to all periods of projected benefit

payments to determine the total pension liability. For purposes of this determination we understand pension plan assets are expected to be invested using a strategy to achieve the discount rate.

Note: See "Actuarial Assumptions and Methods" for a full description of the assumptions used in the determination of the total pension liability.

The components of the net pension liability at September 30, 2021 were as follows:

Total pension liability	\$21,113,877
Plan fiduciary net position	<u>(23,032,574)</u>
Net pension liability	<u>\$(1,918,697)</u>

Plan fiduciary net position as a percentage of the total pension liability	109.09%
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Sensitivity of the net pension liability to changes in the discount rate follows.

	1% Decrease (6.65%)	Current Discount Rate (7.65%)	1% Increase (8.65%)
Net pension liability	\$494,197	\$(1,918,697)	\$(3,944,788)

Schedule of Changes in Net Pension Liability and Related Ratios

This schedule will be updated each year until a 10-year history is accumulated.

Year Ending September 30,	2014	2015	2016	2017	2018	2019	2020	2021
Total pension liability								
Service cost	\$490,047	\$500,506	\$502,300	\$580,741	\$605,875	\$605,932	\$652,595	\$621,801
Interest	1,143,136	1,239,002	1,321,703	1,405,981	1,448,433	1,488,277	1,548,052	1,540,540
Changes of benefit terms	0	0	0	0	0	(45,645)	0	0
Differences between expected and actual experience	(24,739)	(132,223)	(211,999)	(163,308)	(488,124)	(329,476)	(893,305)	277,065
Changes of assumptions	22,355	23,782	840,843	32,034	206,529	0	(218,604)	(134,302)
Benefit payments	(358,103)	(352,136)	(689,192)	(1,693,784)	(852,788)	(947,727)	(856,380)	(1,024,888)
Contribution refunds	<u>(80,160)</u>	<u>(77,550)</u>	<u>(64,718)</u>	<u>(33,846)</u>	<u>(109,150)</u>	<u>(137,946)</u>	<u>(52,576)</u>	<u>(112,941)</u>
Net change in total pension liability	1,192,536	1,201,381	1,698,937	127,818	810,775	633,415	179,782	1,167,275
Total pension liability - beginning	<u>14,101,958</u>	<u>15,294,494</u>	<u>16,495,875</u>	<u>18,194,812</u>	<u>18,322,630</u>	<u>19,133,405</u>	<u>19,766,820</u>	<u>19,946,602</u>
Total pension liability - ending (a)	\$15,294,494	\$16,495,875	\$18,194,812	\$18,322,630	\$19,133,405	\$19,766,820	\$19,946,602	\$21,113,877
Plan fiduciary net position								
Contributions - employer	\$443,171	\$562,320	\$561,465	\$680,623	\$751,853	\$756,292	\$720,642	\$724,655
Contributions - employee	244,731	249,718	255,031	275,299	285,978	297,434	303,417	306,359
Net investment income	1,129,042	(3,709)	1,227,300	1,710,431	1,507,361	606,585	1,886,395	3,931,392
Benefit payments	(358,103)	(352,136)	(689,192)	(1,693,784)	(852,788)	(947,727)	(856,380)	(1,024,888)
Contribution refunds	(80,160)	(77,550)	(64,718)	(33,846)	(109,150)	(137,946)	(52,576)	(112,941)
Administrative expense	(77,399)	(64,461)	(55,175)	(46,286)	(60,095)	(65,394)	(67,175)	(63,270)
Other	0	0	0	0	0	0	0	0
Net change in plan fiduciary net position	1,301,282	314,182	1,234,711	892,437	1,523,159	509,244	1,934,323	3,761,307
Plan fiduciary net position - beginning	<u>11,561,929</u>	<u>12,863,211</u>	<u>13,177,393</u>	<u>14,412,104</u>	<u>15,304,541</u>	<u>16,827,700</u>	<u>17,336,944</u>	<u>19,271,267</u>
Plan fiduciary net position - ending (b)	\$12,863,211	\$13,177,393	\$14,412,104	\$15,304,541	\$16,827,700	\$17,336,944	\$19,271,267	\$23,032,574
Net pension liability - ending (a) - (b)	\$2,431,283	\$3,318,482	\$3,782,708	\$3,018,089	\$2,305,705	\$2,429,876	\$675,335	(\$1,918,697)
Plan fiduciary net position as a percentage of the total pension liability	84.10%	79.88%	79.21%	83.53%	87.95%	87.71%	96.61%	109.09%
Covered employee payroll	\$4,094,475	\$3,864,720	\$4,387,506	\$4,573,157	\$4,766,306	\$4,957,236	\$5,056,951	\$5,105,988
Net pension liability as a percentage of covered employee payroll	59.38%	85.87%	86.22%	66.00%	48.38%	49.02%	13.35%	(37.58%)



Statement of Changes in Net Pension Liability

	Increase (Decrease)		
	Total Pension Liability (a)	Plan Fiduciary Net Position (b)	Net Pension Liability (a) - (b)
Balances at 9/30/2020	\$19,946,602	\$19,271,267	\$675,335
Changes for the year:			
Service cost	621,801		621,801
Interest	1,540,540		1,540,540
Changes of benefit terms	0		0
Differences between expected and actual experience	277,065		277,065
Changes of assumptions	(134,302)		(134,302)
Contributions—employer		724,655	(724,655)
Contributions—employee		306,359	(306,359)
Net investment income		3,931,392	(3,931,392)
Benefit payments, including refunds of employee contributions	(1,137,829)	(1,137,829)	0
Administrative expense		(63,270)	63,270
Other changes		0	0
Net changes	1,167,275	3,761,307	(2,594,032)
Balances at 9/30/2021	\$21,113,877	\$23,032,574	\$(1,918,697)

Pension Expense and Deferred Outflows and Inflows of Resources

Pension expense for the year ended September 30, 2021 is as shown below.

Description	Amount
Service cost	\$621,801
Interest on the total pension liability	1,540,540
Changes of benefit terms	0
Differences between expected and actual experience	(319,057)
Changes of assumptions	116,598
Employee contributions	(306,359)
Projected earnings on pension plan investments	(1,503,499)
Differences between projected and actual earnings on plan investments	(620,646)
Pension plan administrative expense	63,270
Other changes in fiduciary net position	0
Total pension expense	<u><u>\$(407,352)</u></u>

There are deferred outflows and inflows of resources from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience	\$225,757	\$912,756
Changes of assumptions	73,260	248,543
Net difference between projected and actual earnings	0	2,020,490
Total	<u><u>\$299,017</u></u>	<u><u>\$3,181,789</u></u>

Amounts reported as deferred outflows and inflows of resources related to pensions will be recognized in pension expense as follows:

Year ended September 30:	
2022	\$(798,687)
2023	(724,554)
2024	(809,885)
2025	(560,224)
2026	10,578
2027	0

Recognition of Deferred Outflows and Inflows of Resources

Year	Original Amount	Recognition Period	Measurement Year Recognition					
			2021	2022	2023	2024	2025	2026
Differences between Expected and Actual Experience								
2015	(132,223)	6.3	(6,295)	0	0	0	0	0
2016	(211,999)	6.0	(35,334)	0	0	0	0	0
2017	(163,308)	5.8	(28,157)	(22,523)	0	0	0	0
2018	(488,124)	6.0	(81,354)	(81,354)	(81,354)	0	0	0
2019	(329,476)	5.8	(56,806)	(56,806)	(56,806)	(45,446)	0	0
2020	(893,305)	5.5	(162,419)	(162,419)	(162,419)	(162,419)	(81,210)	0
2021	277,065	5.4	51,308	51,308	51,308	51,308	51,308	20,525
Changes in Assumptions								
2015	23,782	6.3	1,132	0	0	0	0	0
2016	840,843	6.0	140,138	0	0	0	0	0
2017	32,034	5.8	5,523	4,419	0	0	0	0
2018	206,529	6.0	34,422	34,422	34,419	0	0	0
2020	(218,604)	5.5	(39,746)	(39,746)	(39,746)	(39,746)	(19,874)	0
2021	(134,302)	5.4	(24,871)	(24,871)	(24,871)	(24,871)	(24,871)	(9,947)
Differences between Projected and Actual Earnings on Pension Plan Investments								
2017	(597,654)	5.0	(119,530)	0	0	0	0	0
2018	(280,156)	5.0	(56,031)	(56,032)	0	0	0	0
2019	718,125	5.0	143,625	143,625	143,625	0	0	0
2020	(515,656)	5.0	(103,131)	(103,131)	(103,131)	(103,132)	0	0
2021	(2,427,893)	5.0	(485,579)	(485,579)	(485,579)	(485,579)	(485,577)	0

Schedule of Contributions

Year Ending September 30,	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Actuarially determined contribution	\$724,655	\$720,642	\$756,292	\$751,853	\$672,777	\$561,465	\$562,320	\$443,171	\$346,097	\$337,661
Contributions in relation to the actuarially determined contribution	<u>724,655</u>	<u>720,642</u>	<u>756,292</u>	<u>751,853</u>	<u>680,623</u>	<u>561,465</u>	<u>562,320</u>	<u>443,171</u>	<u>346,097</u>	<u>337,661</u>
Contribution deficiency (excess)	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$(7,846)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Covered employee payroll	\$5,105,988	\$5,056,951	\$4,957,236	\$4,766,306	\$4,573,157	\$4,387,506	\$3,864,720	\$4,094,475	\$4,073,876	\$4,130,994
Contributions as a percentage of covered-employee payroll	14.2 %	14.3 %	15.3 %	15.8 %	14.7 %	12.8 %	14.6 %	10.8 %	8.5 %	8.2 %

Notes to Schedule

The above contributions are those required from the City. Employee contributions are not included.

Methods and assumptions used to determine contributions for the year ending September 30, 2021:

Actuarial cost method	Entry age
Amortization method	Effective October 1, 2018, a level dollar amortization of unfunded accrued liability. Differences in employee contributions adjust amortization bases.
Remaining amortization period	Effective October 1, 2015, new amortizations bases are set up over 25 years.
Asset valuation method	5-year smoothed market
Inflation	2.0%
Salary increases	6%, including inflation
Investment rate of return	Effective for the October 1, 2018 actuarial valuation of the Plan, 7.8% net of investment expenses, including inflation.
Retirement age	See "Description of Assumptions and Methods" for the assumed retirement age assumption
Mortality	See "Description of Assumptions and Methods" for the mortality assumptions



Schedule of Investment Returns

Year Ending September 30,	Annual money-weighted rate of return net of investment expense
2021	20.17 %
2020	10.59 %
2019	3.27 %
2018	9.52 %
2017	12.40 %
2016	9.28 %
2015	(0.50)%
2014	9.37 %
2013	8.58 %
2012	11.88 %

Plan Membership Statistics

Valuation as of October 1,	2020	2021
Inactive members or beneficiaries currently receiving benefits	61	65
Inactive members entitled to but not yet receiving benefits	9	8
Active members	<u>132</u>	<u>132</u>
Total	202	205

Plan Description

Plan Type: Single-employer Defined Benefit Pension Plan

Legal Authority: The Plan was established and is amended by local ordinance.

Effective Date: November 1, 1969. Plan amendment and restatement adopted December 4, 2019 effective December 14, 2019 with Ordinance No. 1764-2019. Subsequently amended by Ordinance No. 1766-2019, 1775-2020, 1778-2020, and 1793-2020.

Plan Administrator: The Board of Trustees

Board Composition: Two members are elected from among the general employees of the City, who are members of the plan, two city residents appointed by the Commission and one person is chosen by a majority of the previous four members.

Funding Requirements: Employer contributions are actuarially determined and subject to State statute. Employee contributions are as described below and may be amended by ordinance.

Plan Year: The 12-month period from October 1st to the next September 30th.

Member: Full-time General or Waste Water employees (excluding the Mayor, City Council, City Attorney and assistants) participate in the Plan immediately upon hire. A one-time option is provided for a person initially hired as a City Manager to irrevocably opt out of the Plan. The option must be exercised before the commencement date of employment with the City.

Credited Service: Employee service computed in years and completed calendar months. See Ordinance 1778-2020 regarding the "cross-credit" of service.

Vesting: Members become 100% vested after earning 10 years of Credited Service.

Basic Compensation: Total compensation actually paid in a Plan Year by the City including tax deferred compensation and excluding overtime, commissions, bonuses, expense allowances and payment for accrued annual leave, accrued sick leave, and accrued compensatory leave.

Employee Contributions: 6.0% of Basic Compensation. Members receive benefits under the Plan no less than the value of their accumulated Employee Contributions with interest.

Members who terminate non-vested are entitled to the return of Employee Contributions accumulated with interest to the first day of the month in which termination occurs. The interest rate for accumulation was 5% from October 1, 1984 until October 1, 2019 when it was revised to 1.5%. Prior to October 1, 1984 a different interest rate was credited to Employee Contributions.

Average Monthly Compensation: The sum of the highest five successive Plan Years of Basic Compensation in the last ten Plan Years of employment divided by 60.

Normal Retirement Date: The first day of the month coincident with or next following attainment of age 65 and 10 years of Credited Service.

Accrued Benefit: The amount of monthly retirement income payable at the Normal Retirement Date is determined according to the following formula:

$$2.75\% \times \text{Average Monthly Compensation} \times \text{Credited Service up to 30 years}$$

The Accrued Benefit is payable in the form of a life only annuity. However, any member with a spouse shall receive an actuarially equivalent 50% joint and survivor annuity unless the member chooses another Optional Form of Retirement Income.

Members who terminate employment 100% vested prior the Normal Retirement Date are eligible to receive their Accrued Benefit once the age requirements for the Normal Retirement Date are met, provided Employee Contributions remain in the Plan.

Late Retirement Benefit: The amount of monthly retirement income payable to a Member who retires after the Normal Retirement Date is the greater of (i) the monthly retirement income which can be provided by the single-sum value of the Accrued Benefit payable if he had retired at the Normal Retirement Date, accumulated with interest from the Normal Retirement Date to the date the monthly retirement income payments are to commence, and (ii) the monthly retirement income computed as described for the Accrued Benefit using Credited Service and Average Monthly Compensation determined at the Member's actual retirement date.

Early Retirement Date: The first day of the month coincident with or next following the date an employee retires prior to the Normal Retirement Date after attainment of age 55 and 10 years of Credited Service.

Early Retirement Benefit: The Accrued Benefit is reduced for commencement earlier than the Normal Retirement Date at a rate of 5/9% for the first 60 months and 5/18% thereafter. However, the minimum monthly retirement income for a Member who retires before the Normal Retirement Date with 25 years Credited Service is 60% x Average Monthly Compensation.

Members who terminate employment 100% vested prior to reaching the Early Retirement Date age requirements may elect to receive an Early Retirement Benefit once the age requirements are met, provided Employee Contributions remain in the Plan.

Members who terminate employment 100% vested prior the Normal Retirement Date but on or after their Early Retirement Date but do not commence receipt of an Early Retirement Benefit at that time will receive a monthly retirement income not less than the monthly retirement income which can be provided by the single-sum value of the monthly early retirement income which would have been payable if he had retired immediately upon termination, accumulated with interest from termination to the date the monthly retirement income payments are to commence.

Members who recover from Disability Retirement and who were eligible for an Early Retirement Benefit at the date of disability may elect to receive this benefit upon recovery from disability.

Disability Retirement: This benefit is payable from the first day of the month coincident with or next following the date the Retirement Committee approves the Member's Disability Retirement. The benefit is payable in the form of a 10 year certain and continuous annuity. The last payment is that due next preceding the earlier of (1) the date of recovery prior to the Normal Retirement Date and (2) the later of the date of death or the 120th payment. The amount of monthly retirement income is determined as follows:

- (a) Non-Line of Duty: Members with less than 10 years of Credited Service upon disability receive a monthly retirement income which can be provided by the greater of (i) the single-sum value of the Accrued Benefit and (ii) 2 x Basic Compensation paid in the Plan Year immediately preceding disability. The monthly retirement income which can be provided by (ii) is limited to 60% x Anticipated Monthly Retirement Income at the Normal Retirement Date.
- (b) Non-Line of Duty: Members with 10 years of Credited Service or more upon disability receive a monthly retirement income which is the greater of (i) the monthly retirement income which can be provided by the single-sum value of the Accrued Benefit and (ii) 30% x Basic Compensation paid in the Plan Year immediately preceding disability where the

single-sum value of this monthly amount does not exceed 100 x the Anticipated Monthly Retirement Income at the Normal Retirement Date.

- (c) Line of Duty: Members receive a monthly retirement income which is 50% x Basic Compensation paid in the Plan Year immediately preceding disability where the single-sum value of this monthly amount does not exceed 100 x the Anticipated Monthly Retirement Income at the Normal Retirement Date.

Members who recover from disability and re-enter the service of the City within 30 days of recovery will be deemed to have continuous service except that the period beginning with the first month for which Disability Retirement income was received and ending with the date of service re-entry is not considered as Credited Service.

Anticipated Monthly Retirement Income at the Normal Retirement Date: Determined as described for the Accrued Benefit, but instead using Anticipated Credited Service and Anticipated Average Monthly Compensation. Anticipated Credited Service is employee service computed in years and completed calendar months as if the member remains employed to the Normal Retirement Date. Anticipated Average Monthly Compensation is computed assuming that the last complete Plan Year of Basic Compensation is paid in each Plan Year, without change, to the Normal Retirement Date.

Survivor Benefit at Death of Disabled Member Prior to Disability Retirement: The designated beneficiary of a disabled Member who dies prior to receipt of Disability Retirement benefits is eligible to receive a monthly retirement income payable in the form of a 10 year certain and continuous annuity payable commencing on the first of the month coincident with or next following the date of the disabled Member's death. The designated beneficiary will receive a monthly retirement income which can be provided by the greater of (i) the single-sum value of the Accrued Benefit and (ii) 2 x Basic Compensation paid in the Plan Year immediately preceding disability not more than 100 x Anticipated Monthly Retirement Income at the Normal Retirement Date.

Survivor Benefit at Death of Vested Terminated Members: The designated beneficiary of vested Member who dies prior to retirement is eligible to receive a monthly retirement income payable in the form of a 10 year certain and continuous annuity payable commencing on the first of the month coincident with or next following the Member's death, which can be provided by the single-sum value of the Member's Accrued Benefit or Early Retirement Benefit.

Survivor Benefit at Death of Active Employee Prior to Normal Retirement Date: The designated beneficiary of a Member who dies while in active service prior to the Normal Retirement Date is eligible to receive, commencing on the first of the month coincident with or next following the Member's death, a monthly retirement income (payable in the form of a 10 year certain and continuous annuity) which can be provided by the greater of (i) the single-sum value of the Accrued Benefit as of the date of death, not less than the single-sum value of the Early Retirement Benefit which would have been payable if the Member had retired early on the date of death, and (ii) 2 x Basic Compensation paid in the Plan Year immediately preceding death not more than 100 x Anticipated Monthly Retirement Income at the Normal Retirement Date.

Survivor Benefit at Death of Active Employee After Normal Retirement Date: The designated beneficiary of a Member who dies while in active service after the Normal Retirement Date is eligible to receive, commencing on the first of the month coincident with or next following the Member's death, a monthly retirement income (payable in the form of a 10 year certain and continuous annuity) which can be provided by the single-sum value of the Late Retirement Benefit.

Optional Forms of Retirement Income: In addition to the life only form of annuity, also available under the terms of the Plan are the 10 year certain and continuous annuity and the joint and 50%, 66 2/3%, 75%, or 100% survivor annuity. With the joint and survivor options, the member may also elect the pop-up feature. The Plan also allows for other amounts and forms of retirement income that will meet the circumstances of the Participant, in the opinion of the Retirement Committee, and will not substantially

affect the actuarial soundness of the Plan. Ordinance 1641-2013 was adopted December 18, 2013. Members may no longer be paid their retirement income in a lump sum under Section 3.1, Option 3.

Deferred Retirement Option Program (DROP): Members are eligible to enter the DROP at age 55 with 25 years of service. The Accrued Benefit is frozen and no further Employee Contributions are payable at DROP entry. The Accrued Benefit accumulates with interest in the DROP account and is payable as a single-lump sum (or as an actuarially equivalent annuity) upon DROP exit. The DROP account earns interest at a rate equal to the funds net rate of investment return minus administration fees, unless the DROP participant, as a one-time irrevocable option, elects a self-directed DROP as approved by the board of trustees. The maximum DROP participation duration is 5 years and participation will end if the employee resigns, dies or is terminated with cause prior to completion of the 5 years.

Actuarial Assumptions and Methods

Assumed Rate of Investment Return: 7.65% per year, net of investment expenses (revised from 7.75% used in the prior actuarial valuation).

Inflation: 2.0% per year. Note this assumption is not used directly in the valuation.

Salary Increase – Individual: Whereas the salary increase assumption at October 1, 2020 was 6.0% per year at all service levels, the assumption has been revised for this October 1, 2021 actuarial valuation to be 5.5% per year for 0-12 years of service and 4.5% per year at service levels over 12 years.

Salary Increase – Total Payroll: Based on individual salary increase assumptions and other decrements assumed in the valuation of Plan liabilities.

Unfunded accrued liability is amortized as a level dollar amount.

Mortality: Mortality rates are those required by state statute. Mortality is as assumed for the Florida Retirement System (FRS) valuation as of July 1, 2019 and 2020 for not special risk and not school instructional personnel, as follows:

The following two sex distinct tables are used with fully generational mortality improvements using sex distinct Scale MP-2018.

Healthy Active: PubG.H-2010(B) (male set back 1 year)

Healthy Retiree: PubG.H-2010(B) (male set back 1 year)

Juvenile rates were used for ages 15-17.

The active table references the healthy retiree rates, above, at ages 81+.

The healthy retiree table references the active mortality rates, above, before age 51.

The following sex distinct table was used with no mortality improvement assumed:

Disabled Retiree: PubG.H-2010 (male and female set forward 3 years)

Retirement: Members are assumed to retire at a rate of 100% at either 65 and 10 years of service or 55 and 25 years of service, whichever decrement produces the higher liability.

Termination: Rates of termination were revised for this October 1, 2021 actuarial valuation. Unisex rates of termination are as follows (with linear interpolation for interim ages):

Age by Service

Values:

Age	0	1	2	3	4	5	6	7	8	9	>=10
20	0.3882	0.3624	0.2910	0.2202	0.1872	0.1716	0.1488	0.1416	0.1356	0.1308	0.1125
25	0.3312	0.2712	0.2226	0.1758	0.1536	0.1392	0.1194	0.1110	0.0978	0.0870	0.0610
30	0.3150	0.2280	0.1848	0.1584	0.1386	0.1242	0.1086	0.0960	0.0858	0.0780	0.0530
35	0.3150	0.2136	0.1704	0.1512	0.1308	0.1194	0.1050	0.0924	0.0822	0.0750	0.0465
40	0.3006	0.1878	0.1446	0.1278	0.1086	0.0984	0.0882	0.0792	0.0708	0.0660	0.0330
45	0.3006	0.1866	0.1410	0.1236	0.1056	0.0924	0.0852	0.0762	0.0690	0.0642	0.0300
50	0.2868	0.1800	0.1332	0.1116	0.0978	0.0834	0.0756	0.0684	0.0636	0.0594	0.0325
55	0.3312	0.2160	0.1668	0.1422	0.1176	0.1032	0.0804	0.0708	0.0654	0.0636	0.0520
60	0.3312	0.2160	0.1668	0.1410	0.1158	0.1020	0.0792	0.0696	0.0642	0.0618	0.0655
65+	0.3312	0.2160	0.1668	0.1410	0.1158	0.1020	0.0792	0.0696	0.0642	0.0618	0.0410

In the October 1, 2020 actuarial valuation the following sex distinct rates as used for regular employees in the Florida Retirement System actuarial valuation report as of July 1, 2005. Linear interpolation has been used between the rates shown in five year age increments, as follows:

Male Age by Service Values:

Age	0	1	2	3	4	5	6	7	8	9	>=10
20	32.8%	31.8%	25.2%	18.4%	15.8%	13.3%	12.4%	11.7%	11.0%	10.5%	10.9%
25	27.2%	23.2%	19.1%	14.6%	12.7%	11.0%	9.4%	8.8%	7.7%	6.6%	6.9%
30	25.8%	19.2%	15.5%	13.2%	11.8%	10.0%	8.6%	7.5%	6.4%	5.8%	5.2%
35	25.8%	17.9%	14.2%	12.6%	10.9%	9.7%	8.3%	7.2%	6.2%	5.6%	4.7%
40	24.4%	15.8%	12.0%	10.7%	9.0%	8.4%	7.5%	6.6%	5.8%	5.5%	3.3%
45	24.4%	15.7%	11.6%	10.3%	8.8%	7.7%	7.2%	6.3%	5.7%	5.4%	3.0%
50	23.4%	15.2%	10.7%	9.4%	7.9%	6.9%	6.1%	5.6%	5.1%	4.8%	3.3%
55	27.4%	18.4%	14.1%	12.4%	9.9%	8.9%	6.4%	5.5%	4.9%	5.0%	5.0%
60	27.4%	18.4%	14.1%	12.3%	9.7%	8.8%	6.3%	5.4%	4.8%	4.9%	5.9%
65+	27.4%	18.4%	14.1%	12.3%	9.7%	8.8%	6.3%	5.4%	4.8%	4.9%	4.1%

Female Age by Service Values:

Age	0	1	2	3	4	5	6	7	8	9	>=10
20	31.9%	28.6%	23.3%	18.3%	15.4%	15.3%	12.4%	11.9%	11.6%	11.3%	11.6%
25	28.0%	22.0%	18.0%	14.7%	12.9%	12.2%	10.5%	9.7%	8.6%	7.9%	5.3%
30	26.7%	18.8%	15.3%	13.2%	11.3%	10.7%	9.5%	8.5%	7.9%	7.2%	5.4%
35	26.7%	17.7%	14.2%	12.6%	10.9%	10.2%	9.2%	8.2%	7.5%	6.9%	4.6%
40	25.7%	15.5%	12.1%	10.6%	9.1%	8.0%	7.2%	6.6%	6.0%	5.5%	3.3%
45	25.7%	15.4%	11.9%	10.3%	8.8%	7.7%	7.0%	6.4%	5.8%	5.3%	3.0%
50	24.4%	14.8%	11.5%	9.2%	8.4%	7.0%	6.5%	5.8%	5.5%	5.1%	3.2%
55	27.8%	17.6%	13.7%	11.3%	9.7%	8.3%	7.0%	6.3%	6.0%	5.6%	5.4%
60	27.8%	17.6%	13.7%	11.2%	9.6%	8.2%	6.9%	6.2%	5.9%	5.4%	7.2%
65+	27.8%	17.6%	13.7%	11.2%	9.6%	8.2%	6.9%	6.2%	5.9%	5.4%	4.1%

Disability: Sex distinct rates as used for regular employees in the Florida Retirement System actuarial valuation report as of July 1, 2005. Linear interpolation has been used between the rates shown in five year age increments, as follows:

Age	Line-of-Duty		Age	Not Line-of-Duty	
	Male	Female		Male	Female
20	0.004%	0.001%	20	0.000%	0.000%
25	0.006%	0.002%	25	0.030%	0.010%
30	0.010%	0.007%	30	0.058%	0.026%
35	0.018%	0.010%	35	0.073%	0.049%
40	0.029%	0.016%	40	0.102%	0.075%
45	0.044%	0.022%	45	0.188%	0.165%
50	0.069%	0.035%	50	0.313%	0.285%
55	0.095%	0.049%	55	0.523%	0.478%
60	0.099%	0.044%	60	0.687%	0.599%
65+	0.004%	0.001%	65+	0.239%	0.150%

Funding Method: Entry Age Normal (level percent of salary)

A description of the funding method is found in the October 1, 2021 actuarial valuation report on the page entitled "Glossary of Actuarial Terms."