

January 11, 2022

PER EMAIL

Board of Trustees
City of Dunedin
Firefighters' Pension Board

RE: GASB Statements No.67 and No.68 – City of Dunedin Firefighters' Retirement System

Dear Board:

We are pleased to present to the Board GASB Statements No.67 and No.68 measured as of September 30, 2021 for the City of Dunedin Firefighters' Retirement System.

The calculation of the liability associated with the benefits referenced in this report was performed for the purpose of satisfying the requirements of GASB No.67 and No.68 and is not applicable for other purposes, such as determining the plan's funding requirements. A calculation of the plan's liability for other purposes may produce significantly different results.

The total pension liability, net pension liability, and certain sensitivity information shown in this report are based on an actuarial valuation performed as of October 1, 2020. The total pension liability was rolled-forward from the valuation date to the plan's fiscal year ending September 30th, 2021 using generally accepted actuarial principles.

It is our opinion that the assumptions used for this purpose are internally consistent, reasonable, and comply with the requirements under GASB No.67 and No.68.

Certain schedules should include a 10-year history of information. As provided for in GASB No.67 and No.68, this historical information is only presented for the last 2 years in which the information was measured in conformity with the requirements of GASB No.67 and No.68.

To the best of our knowledge, these statements are complete and accurate and are in accordance with generally recognized actuarial practices and methods. Future actuarial measurements may differ significantly from the current measurements presented in this report for a variety of reasons including changes in applicable laws, changes in plan provisions, changes in assumptions, or plan experience differing from expectations. Due to the limited scope of the valuation, we did not perform an analysis of the potential range of such future measurements.

In performing the analysis, we used third-party software to model (calculate) the underlying liabilities and costs. These results are reviewed in the aggregate and for individual sample lives. The output from the software is either used directly or input into internally developed models to generate the costs. All internally developed models are reviewed as part of the process. As a result of this review, we believe that the models have produced reasonable results. We do not believe there are any material inconsistencies among assumptions or unreasonable output produced due to the aggregation of assumptions.

If there are any questions, concerns, or comments about any of the items contained in this report, please contact me at 239-433-5500.

Respectfully submitted,

Foster & Foster, Inc.

By: 

Patrick T. Donlan, ASA, MAAA
Enrolled Actuary #20-6595

Enclosures

STATEMENT OF FIDUCIARY NET POSITION
SEPTEMBER 30, 2021

<u>ASSETS</u>	MARKET VALUE
Cash and Cash Equivalents:	
Short Term Investments	585,196
Prepaid Expenses	1,243
 Total Cash and Equivalents	 586,439
Receivables:	
Additional City Contributions	9,603
Investment Income	60,711
 Total Receivable	 70,314
Investments:	
U. S. Bonds and Bills	4,419,665
Federal Agency Guaranteed Securities	1,074,387
Corporate Bonds	2,425,555
Stocks	12,952,707
Mutual Funds:	
Equity	12,581,621
Pooled/Common/Commingled Funds:	
Real Estate	3,233,235
 Total Investments	 36,687,170
 Total Assets	 37,343,923
 <u>LIABILITIES</u>	
Payables:	
Benefit Payments	34
Investment Expenses	28,174
Administrative Expenses	4,306
 Total Liabilities	 32,514
 NET POSITION RESTRICTED FOR PENSIONS	 37,311,409

STATEMENT OF CHANGES IN FIDUCIARY NET POSITION
FOR THE YEAR ENDED SEPTEMBER 30, 2021
Market Value Basis

ADDITIONS

Contributions:

Member	182,933
City	555,076
State	355,479

Total Contributions	1,093,488
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Investment Income:

Net Increase in Fair Value of Investments	5,491,925
Interest & Dividends	578,796
Less Investment Expense ¹	(146,467)

Net Investment Income	5,924,254
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Total Additions	7,017,742
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DEDUCTIONS

Distributions to Members:

Benefit Payments	1,449,517
Lump Sum DROP Distributions	416,526
Lump Sum Share Distributions	19,340
Refunds of Member Contributions	2,346

Total Distributions	1,887,729
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Administrative Expense	92,221
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Total Deductions	1,979,950
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Net Increase in Net Position	5,037,792
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NET POSITION RESTRICTED FOR PENSIONS

Beginning of the Year	32,273,617
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End of the Year	37,311,409
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¹Investment related expenses include investment advisory, custodial and performance monitoring fees.

NOTES TO THE FINANCIAL STATEMENTS
(For the Year Ended September 30, 2021)

Plan Administration

The Plan is a single-employer defined benefit pension plan administered by the Plan's Board of Trustees comprised of: Two Council appointees, two Members of the Plan elected by the membership, and a fifth Member elected by other 4 and appointed by Council as a ministerial duty.

Plan Membership as of October 1, 2020:

Inactive Plan Members or Beneficiaries Currently Receiving Benefits	53
Inactive Plan Members Entitled to But Not Yet Receiving Benefits	5
Active Plan Members	44
	102

Benefits Provided

The Plan provides retirement, termination, disability and death benefits.

A summary of the benefit provisions can be found in the October 1, 2020 Actuarial Valuation Report for the City of Dunedin Firefighters' Retirement System prepared by Foster & Foster Actuaries and Consultants.

Contributions

Member Contributions: 5.5% of Compensation.

Employer Contributions: Chapter 175 Premium Tax Refunds and any additional amount determined by the actuary needed to fund the plan properly according to State laws.

Investment Policy:

The following was the Board's adopted asset allocation policy as of September 30, 2021:

Asset Class	Target Allocation
Domestic Equity	52.5%
International Equity	12.5%
Domestic Fixed Income	25.0%
Real Estate	10.0%
Total	100.0%

Concentrations:

The Plan did not hold investments in any one organization that represent 5 percent or more of the Pension Plan's Fiduciary Net Position.

Rate of Return:

For the year ended September 30, 2021, the annual money-weighted rate of return on Pension Plan investments, net of Pension Plan investment expense, was 18.72 percent.

The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

Deferred Retirement Option Program

Eligibility: A member may retire on the first day of the month coincident with or next following the earlier of: (1) age 52 and 25 years of Credited Service, or (2) age 55 and 10 years of Credited Service, or (3) 20 years of Credited Service regardless of age. Members who meet eligibility must submit a written election to participate in the DROP.

Benefit: The member's Credited Service and FAC are frozen upon entry into the DROP. The monthly retirement benefit as described under Normal Retirement is calculated based upon the frozen Credited Service and FAC.

In addition, a supplemental benefit of \$13 per year of Credited Service up to a maximum of \$325 is payable monthly to members who meet the requirements for Normal Retirement and retire. DROP participants do not receive the supplement until actual termination of employment.

Maximum DROP Period: The earlier of 5 years of participation in the DROP or when the member has completed 30 years of Credited Service.

Interest Credited: The member's average daily balance of the DROP account is debited or credited with interest on a quarterly basis at a rate equal to the Trust Fund's net investment return for the quarter.

The DROP balance as September 30, 2021 is \$586,669.

NET PENSION LIABILITY OF THE SPONSOR

The components of the Net Pension Liability of the Sponsor on September 30, 2021 were as follows:

Total Pension Liability	\$ 34,999,774
Plan Fiduciary Net Position	<u>\$ (37,311,409)</u>
Sponsor's Net Pension Liability	<u>\$ (2,311,635)</u>
Plan Fiduciary Net Position as a percentage of Total Pension Liability	106.60%

Actuarial Assumptions:

The Total Pension Liability was determined by an actuarial valuation as of October 1, 2020 updated to September 30, 2021 using the following actuarial assumptions:

Inflation	2.50%
Salary Increases	Service based
Discount Rate	7.25%
Investment Rate of Return	7.25%

Mortality Rate Healthy Active Lives:

Female: PubS.H-2010 (Below Median) for Employees, set forward one year.

Male: PubS.H-2010 (Below Median) for Employees, set forward one year.

Mortality Rate Healthy Retiree Lives:

Female: PubS.H-2010 for Healthy Retirees, set forward one year.

Male: PubS.H-2010 for Healthy Retirees, set forward one year.

Mortality Rate Beneficiary Lives:

Female: PubG.H-2010 for Healthy Retirees.

Male: PubG.H-2010 for Healthy Retirees, set back one year.

Mortality Rate Disabled Lives:

80% PubG.H-2010 for Disabled Retirees / 20% PubS.H-2010 for Disabled Retirees.

All rates are projected generationally with Mortality Improvement Scale MP-2018. We feel this assumption sufficiently accommodates future mortality improvements.

The above described mortality assumption rates were mandated by Chapter 2015-157, Laws of Florida. This law mandates the use of the assumptions used in either of the two most recent valuations of the Florida Retirement System (FRS). The above rates are those outlined in Milliman’s July 1, 2021 FRS valuation report for special risk employees, with appropriate adjustments made based on plan demographics.

90% of active deaths are assumed to be service-incurred.

The most recent actuarial experience study used to review the other significant assumptions was dated August 16, 2021.

The Long-Term Expected Rate of Return on Pension Plan investments can be determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of Pension Plan investment expenses and inflation) are developed for each major asset class.

For 2021 the inflation rate assumption of the investment advisor was 2.50%.

These ranges are combined to produce the Long-Term Expected Rate of Return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation.

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Best estimates of arithmetic real rates of return for each major asset class included in the Pension Plan's target asset allocation as of September 30, 2021 are summarized in the following table:

Asset Class	Long Term Expected Real Rate of Return ¹
Domestic Equity	7.50%
International Equity	8.50%
Domestic Fixed Income	2.50%
Real Estate	4.50%

¹ Source: AndCo Consulting

Discount Rate:

The Discount Rate used to measure the Total Pension Liability was 7.25 percent.

The projection of cash flows used to determine the Discount Rate assumed that Plan Member contributions will be made at the current contribution rate and that Sponsor contributions will be made at rates equal to the difference between actuarially determined contribution rates and the Member rate. Based on those assumptions, the Pension Plan's Fiduciary Net Position was 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 was applied to all periods of projected benefit payments to determine the Total Pension Liability.

	1% Decrease 6.25%	Current Discount Rate 7.25%	1% Increase 8.25%
Sponsor's Net Pension Liability	\$ 1,597,963	\$ (2,311,635)	\$ (5,594,165)

SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS
Last 2 Fiscal Years

	09/30/2021	09/30/2020
Total Pension Liability		
Service Cost	833,104	861,826
Interest	2,433,871	2,347,830
Share Plan Allocation	54,321	32,646
Changes of benefit terms	-	-
Differences between Expected and Actual Experience	(148,847)	(217,129)
Changes of assumptions	1,152,682	(160,554)
Contributions - Buy Back	-	44,510
Benefit Payments, including Refunds of Employee Contributions	(1,887,729)	(1,578,674)
Net Change in Total Pension Liability	2,437,402	1,330,455
Total Pension Liability - Beginning	32,562,372	31,231,917
Total Pension Liability - Ending (a)	<u>\$ 34,999,774</u>	<u>\$ 32,562,372</u>
Plan Fiduciary Net Position		
Contributions - Employer	555,076	541,139
Contributions - State	355,479	326,578
Contributions - Employee	182,933	183,196
Contributions - Buy Back	-	44,510
Net Investment Income	5,924,254	3,070,432
Benefit Payments, including Refunds of Employee Contributions	(1,887,729)	(1,578,674)
Administrative Expense	(92,221)	(75,671)
Net Change in Plan Fiduciary Net Position	5,037,792	2,511,510
Plan Fiduciary Net Position - Beginning	32,273,617	29,762,107
Plan Fiduciary Net Position - Ending (b)	<u>\$ 37,311,409</u>	<u>\$ 32,273,617</u>
Net Pension Liability - Ending (a) - (b)	<u>\$ (2,311,635)</u>	<u>\$ 288,755</u>
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	106.60%	99.11%
Covered Payroll	\$ 3,326,112	\$ 3,330,834
Net Pension Liability as a percentage of Covered Payroll	-69.50%	8.67%

Notes to Schedule of Changes in Net Pension Liability and Related Ratios:

Changes of assumptions:

For measurement date 09/30/2021, amounts reported as changes of assumptions resulted from an experience study dated August 16, 2021. The following changes were made:

- 1) Investment return assumption was reduced from 7.50% to 7.25%, net of investment related expenses.
- 2) Reduced assumed salary increases for all periods of credited service less than 13 years of service.
- 3) Increased the assumed rates of termination for members in the first 5 years and 10-14 years of employment and decreased the assumed rates for service between 6 and 9 years and 15 or more years.

For measurement date 09/30/2020, as mandated by Chapter 2015-157, Laws of Florida, the assumed rates of mortality were changed to the rates used in Milliman's July 1, 2019 FRS valuation report for special risk employees, with appropriate adjustments made based on plan demographics.

SCHEDULE OF CONTRIBUTIONS
Last 2 Fiscal Years

Fiscal Year Ended	Actuarially Determined Contribution	Contributions in relation to the Actuarially Determined Contributions	Contribution Deficiency (Excess)	Covered Payroll	Total Contributions as a percentage of Covered Payroll
09/30/2021	\$ 856,234	\$ 856,234	\$ -	\$ 3,326,112	25.74%
09/30/2020	\$ 839,734	\$ 835,071	\$ 4,663	\$ 3,330,834	25.07%

Notes to Schedule:

Valuation Date: 10/01/2019

Actuarially determined contribution rates are calculated as of October 1, two years prior to the end of the fiscal year in which contributions are reported.

Methods and assumptions used to determine contribution rates can be found in the October 1, 2019 Actuarial Valuation for the City of Dunedin Firefighters' Retirement System by Foster & Foster Actuaries and Consultants.

SCHEDULE OF INVESTMENT RETURNS
Last 2 Fiscal Years

Fiscal Year Ended	Annual Money-Weighted Rate of Return Net of Investment Expense
09/30/2021	18.72%
09/30/2020	10.50%

NOTES TO THE FINANCIAL STATEMENTS
(For the Year Ended September 30, 2022)

Plan Description

The Plan is a single-employer defined benefit pension plan administered by the Plan's Board of Trustees comprised of: Two Council appointees, two Members of the Plan elected by the membership, and a fifth Member elected by other 4 and appointed by Council as a ministerial duty.

All actively employed full-time firefighters participate in the Plan as a condition of employment.

Plan Membership as of October 1, 2020:

Inactive Plan Members or Beneficiaries Currently Receiving Benefits	53
Inactive Plan Members Entitled to But Not Yet Receiving Benefits	5
Active Plan Members	44
	102
	102

Benefits Provided

The Plan provides retirement, termination, disability and death benefits.

A summary of the benefit provisions can be found in the October 1, 2020 Actuarial Valuation Report for the City of Dunedin Firefighters' Retirement System prepared by Foster & Foster Actuaries and Consultants.

Contributions

Member Contributions: 5.5% of Compensation.

Employer Contributions: Chapter 175 Premium Tax Refunds and any additional amount determined by the actuary needed to fund the plan properly according to State laws.

Net Pension Liability

The measurement date is September 30, 2021.

The measurement period for the pension expense was October 1, 2020 to September 30, 2021.

The reporting period is October 1, 2021 through September 30, 2022.

The Sponsor's Net Pension Liability was measured as of September 30, 2021.

The Total Pension Liability used to calculate the Net Pension Liability was determined as of that date.

Actuarial Assumptions:

The Total Pension Liability was determined by an actuarial valuation as of October 1, 2020 updated to September 30, 2021 using the following actuarial assumptions:

Inflation	2.50%	
Salary Increases	Service based	
Discount Rate	7.25%	
Investment Rate of Return	7.25%	

Mortality Rate Healthy Active Lives:

Female: PubS.H-2010 (Below Median) for Employees, set forward one year.

Male: PubS.H-2010 (Below Median) for Employees, set forward one year.

Mortality Rate Healthy Retiree Lives:

Female: PubS.H-2010 for Healthy Retirees, set forward one year.

Male: PubS.H-2010 for Healthy Retirees, set forward one year.

Mortality Rate Beneficiary Lives:

Female: PubG.H-2010 for Healthy Retirees.

Male: PubG.H-2010 for Healthy Retirees, set back one year.

Mortality Rate Disabled Lives:

80% PubG.H-2010 for Disabled Retirees / 20% PubS.H-2010 for Disabled Retirees.

All rates are projected generationally with Mortality Improvement Scale MP-2018. We feel this assumption sufficiently accommodates future mortality improvements.

The above described mortality assumption rates were mandated by Chapter 2015-157, Laws of Florida. This law mandates the use of the assumptions used in either of the two most recent valuations of the Florida Retirement System (FRS). The above rates are those outlined in Milliman’s July 1, 2021 FRS valuation report for special risk employees, with appropriate adjustments made based on plan demographics.

90% of active deaths are assumed to be service-incurred.

The most recent actuarial experience study used to review the other significant assumptions was dated August 16, 2021.

The Long-Term Expected Rate of Return on Pension Plan investments can be determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of Pension Plan investment expenses and inflation) are developed for each major asset class.

For 2021 the inflation rate assumption of the investment advisor was 2.50%.

These ranges are combined to produce the Long-Term Expected Rate of Return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation.

Best estimates of arithmetic real rates of return for each major asset class included in the Pension Plan's target asset allocation as of September 30, 2021 are summarized in the following table:

Asset Class	Target Allocation	Long Term Expected Real Rate of Return ¹
Domestic Equity	52.5%	7.50%
International Equity	12.5%	8.50%
Domestic Fixed Income	25.0%	2.50%
Real Estate	10.0%	4.50%
Total	100.0%	

¹ Source: AndCo Consulting

Discount Rate:

The Discount Rate used to measure the Total Pension Liability was 7.25 percent.

The projection of cash flows used to determine the Discount Rate assumed that Plan Member contributions will be made at the current contribution rate and that Sponsor contributions will be made at rates equal to the difference between actuarially determined contribution rates and the Member rate. Based on those assumptions, the Pension Plan's Fiduciary Net Position was 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 was applied to all periods of projected benefit payments to determine the Total Pension Liability.

CHANGES IN NET PENSION LIABILITY

	Increase (Decrease)		
	Total Pension Liability	Plan Fiduciary Net Position	Net Pension Liability
	(a)	(b)	(a)-(b)
Reporting Period Ending September 30, 2021	\$ 32,562,372	\$ 32,273,617	\$ 288,755
Changes for a Year:			
Service Cost	833,104	-	833,104
Interest	2,433,871	-	2,433,871
Share Plan Allocation	54,321	-	54,321
Differences between Expected and Actual Experience	(148,847)	-	(148,847)
Changes of assumptions	1,152,682	-	1,152,682
Changes of benefit terms	-	-	-
Contributions - Employer	-	555,076	(555,076)
Contributions - State	-	355,479	(355,479)
Contributions - Employee	-	182,933	(182,933)
Contributions - Buy Back	-	-	-
Net Investment Income	-	5,924,254	(5,924,254)
Benefit Payments, including Refunds of Employee Contributions	(1,887,729)	(1,887,729)	-
Administrative Expense	-	(92,221)	92,221
Net Changes	2,437,402	5,037,792	(2,600,390)
Reporting Period Ending September 30, 2022	\$ 34,999,774	\$ 37,311,409	\$ (2,311,635)

Sensitivity of the Net Pension Liability to changes in the Discount Rate.

	Current Discount		
	1% Decrease	Rate	1% Increase
	6.25%	7.25%	8.25%
Sponsor's Net Pension Liability	\$ 1,597,963	\$ (2,311,635)	\$ (5,594,165)

Pension Plan Fiduciary Net Position.

Detailed information about the pension Plan's Fiduciary Net Position is available in a separately issued Plan financial report.

FINAL PENSION EXPENSE AND DEFERRED OUTFLOWS OF RESOURCES AND DEFERRED
INFLOWS OF RESOURCES RELATED TO PENSIONS
FISCAL YEAR SEPTEMBER 30, 2021

For the year ended September 30, 2021, the Sponsor has recognized a Pension Expense of \$663,608.

On September 30, 2021, the Sponsor reported Deferred Outflows of Resources and Deferred Inflows of Resources related to pensions from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between Expected and Actual Experience	11,438	293,899
Changes of assumptions	-	128,444
Net difference between Projected and Actual Earnings on Pension Plan investments	-	121,298
Employer and State Contributions subsequent to the measurement date	910,555	-
Total	\$ 921,993	\$ 543,641

The outcome of the Deferred Outflows of resources related to pensions resulting from Employer and State Contributions subsequent to the measurement date has been recognized as a reduction of the Net Pension Liability in the year ended September 30, 2021.

Other amounts reported as Deferred Outflows of Resources and Deferred Inflows of Resources related to pensions will be recognized in Pension Expense as follows:

Year ended September 30:	
2022	\$ (164,716)
2023	\$ (146,339)
2024	\$ 26,236
2025	\$ (247,384)
2026	\$ -
Thereafter	\$ -

Payable to the Pension Plan:

On September 30, 2020, the Sponsor reported a payable of \$20,237 for the outstanding amount of contributions of the Pension Plan required for the year ended September 30, 2020.

**PRELIMINARY PENSION EXPENSE AND DEFERRED OUTFLOWS OF RESOURCES AND
DEFERRED INFLOWS OF RESOURCES RELATED TO PENSIONS
FISCAL YEAR SEPTEMBER 30, 2022**

For the year ended September 30, 2022, the Sponsor will recognize a Pension Expense of \$222,152.

On September 30, 2022, the Sponsor reported Deferred Outflows of Resources and Deferred Inflows of Resources related to pensions from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between Expected and Actual Experience	5,719	310,130
Changes of assumptions	864,513	96,333
Net difference between Projected and Actual Earnings on Pension Plan investments	-	2,907,959
Employer and State Contributions subsequent to the measurement date	TBD	-
Total	TBD	\$ 3,314,422

The outcome of the Deferred Outflows of resources related to pensions resulting from Employer and State Contributions subsequent to the measurement date will be recognized as a reduction of the Net Pension Liability in the year ended September 30, 2022.

Other amounts reported as Deferred Outflows of Resources and Deferred Inflows of Resources related to pensions will be recognized in Pension Expense as follows:

Year ended September 30:	
2023	\$ (602,775)
2024	\$ (430,200)
2025	\$ (703,820)
2026	\$ (707,395)
2027	\$ -
Thereafter	\$ -

Payable to the Pension Plan:

On September 30, 2021, the Sponsor reported a payable of \$9,603 for the outstanding amount of contributions of the Pension Plan required for the year ended September 30, 2021.

SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS
Last 2 Fiscal Years

Reporting Period Ending	09/30/2022	09/30/2021
Measurement Date	09/30/2021	09/30/2020
Total Pension Liability		
Service Cost	833,104	861,826
Interest	2,433,871	2,347,830
Share Plan Allocation	54,321	32,646
Changes of benefit terms	-	-
Differences between Expected and Actual Experience	(148,847)	(217,129)
Changes of assumptions	1,152,682	(160,554)
Contributions - Buy Back	-	44,510
Benefit Payments, including Refunds of Employee Contributions	(1,887,729)	(1,578,674)
Net Change in Total Pension Liability	2,437,402	1,330,455
Total Pension Liability - Beginning	32,562,372	31,231,917
Total Pension Liability - Ending (a)	<u>\$ 34,999,774</u>	<u>\$ 32,562,372</u>
Plan Fiduciary Net Position		
Contributions - Employer	555,076	541,139
Contributions - State	355,479	326,578
Contributions - Employee	182,933	183,196
Contributions - Buy Back	-	44,510
Net Investment Income	5,924,254	3,070,432
Benefit Payments, including Refunds of Employee Contributions	(1,887,729)	(1,578,674)
Administrative Expense	(92,221)	(75,671)
Net Change in Plan Fiduciary Net Position	5,037,792	2,511,510
Plan Fiduciary Net Position - Beginning	32,273,617	29,762,107
Plan Fiduciary Net Position - Ending (b)	<u>\$ 37,311,409</u>	<u>\$ 32,273,617</u>
Net Pension Liability - Ending (a) - (b)	<u>\$ (2,311,635)</u>	<u>\$ 288,755</u>
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	106.60%	99.11%
Covered Payroll	\$ 3,326,112	\$ 3,330,834
Net Pension Liability as a percentage of Covered Payroll	-69.50%	8.67%

Notes to Schedule of Changes in Net Pension Liability and Related Ratios:

Changes of assumptions:

For measurement date 09/30/2021, amounts reported as changes of assumptions resulted from an experience study dated August 16, 2021. The following changes were made:

- 1) Investment return assumption was reduced from 7.50% to 7.25%, net of investment related expenses.
- 2) Reduced assumed salary increases for all periods of credited service less than 13 years of service.
- 3) Increased the assumed rates of termination for members in the first 5 years and 10-14 years of employment and decreased the assumed rates for service between 6 and 9 years and 15 or more years.

For measurement date 09/30/2020, as mandated by Chapter 2015-157, Laws of Florida, the assumed rates of mortality were changed to the rates used in Milliman's July 1, 2019 FRS valuation report for special risk employees, with appropriate adjustments made based on plan demographics.

SCHEDULE OF CONTRIBUTIONS

Last 2 Fiscal Years

Fiscal Year Ended	Actuarially Determined Contribution	Contributions in relation to the Actuarially Determined Contributions	Contribution Deficiency (Excess)	Covered Payroll	Total Contributions as a percentage of Covered Payroll
09/30/2021	\$ 856,234	\$ 856,234	\$ -	\$ 3,326,112	25.74%
09/30/2020	\$ 839,734	\$ 835,071	\$ 4,663	\$ 3,330,834	25.07%

Notes to Schedule:

Valuation Date: 10/01/2019

Actuarially determined contribution rates are calculated as of October 1, two years prior to the end of the fiscal year in which contributions are reported.

Methods and assumptions used to determine contribution rates can be found in the October 1, 2019 Actuarial Valuation for the City of Dunedin Firefighters' Retirement System by Foster & Foster Actuaries and Consultants.

EXPENSE DEVELOPMENT AND AMORTIZATION SCHEDULES

The following information is not required to be disclosed but is provided for informational purposes.

FINAL COMPONENTS OF PENSION EXPENSE
FISCAL YEAR SEPTEMBER 30, 2021

	Net Pension Liability	Deferred Inflows	Deferred Outflows	Pension Expense
Beginning balance	\$ 1,469,810	\$ 875,355	\$ 2,187,815	
Employer and State Contributions made after 09/30/2020	-	-	910,555	-
Total Pension Liability Factors:				
Service Cost	861,826	-	-	861,826
Interest	2,347,830	-	-	2,347,830
Share Plan Allocation	32,646	-	-	32,646
Changes in benefit terms	-	-	-	-
Contributions - Buy Back	44,510	-	-	44,510
Differences between Expected and Actual Experience with regard to economic or demographic assumptions	(217,129)	217,129	-	-
Current year amortization of experience difference	-	(262,691)	(5,719)	(256,972)
Change in assumptions about future economic or demographic factors or other inputs	(160,554)	160,554	-	-
Current year amortization of change in assumptions	-	(32,110)	(40,304)	8,194
Benefit Payments, including Refunds of Employee Contributions	(1,578,674)	-	-	-
Net change	<u>1,330,455</u>	<u>82,882</u>	<u>864,532</u>	<u>3,038,034</u>
Plan Fiduciary Net Position:				
Contributions - Employer	541,139	-	(541,139)	-
Contributions - State	326,578	-	(326,578)	-
Contributions - Employee	183,196	-	-	(183,196)
Contributions - Buy Back	44,510	-	-	(44,510)
Projected Net Investment Income	2,211,198	-	-	(2,211,198)
Difference between projected and actual earnings on Pension Plan investments	859,234	859,234	-	-
Current year amortization	-	(350,646)	(339,453)	(11,193)
Benefit Payments, including Refunds of Employee Contributions	(1,578,674)	-	-	-
Administrative Expenses	(75,671)	-	-	75,671
Net change	<u>2,511,510</u>	<u>508,588</u>	<u>(1,207,170)</u>	<u>(2,374,426)</u>
Ending Balance	<u>\$ 288,755</u>	<u>\$ 1,466,825</u>	<u>\$ 1,845,177</u>	<u>\$ 663,608</u>

PRELIMINARY COMPONENTS OF PENSION EXPENSE
FISCAL YEAR SEPTEMBER 30, 2022

	Net Pension Liability	Deferred Inflows	Deferred Outflows	Pension Expense
Beginning balance	\$ 288,755	\$ 1,466,825	\$ 1,845,177	
Employer and State Contributions made after 09/30/2021	-	-	TBD*	-
Total Pension Liability Factors:				
Service Cost	833,104	-	-	833,104
Interest	2,433,871	-	-	2,433,871
Share Plan Allocation	54,321	-	-	54,321
Changes in benefit terms	-	-	-	-
Contributions - Buy Back	-	-	-	-
Differences between Expected and Actual Experience with regard to economic or demographic assumptions	(148,847)	148,847	-	-
Current year amortization of experience difference	-	(132,616)	(5,719)	(126,897)
Change in assumptions about future economic or demographic factors or other inputs	1,152,682	-	1,152,682	-
Current year amortization of change in assumptions	-	(32,111)	(288,169)	256,058
Benefit Payments, including Refunds of Employee Contributions	(1,887,729)	-	-	-
Net change	<u>2,437,402</u>	<u>(15,880)</u>	<u>858,794</u>	<u>3,450,457</u>
Plan Fiduciary Net Position:				
Contributions - Employer	555,076	-	(555,076)	-
Contributions - State	355,479	-	(355,479)	-
Contributions - Employee	182,933	-	-	(182,933)
Contributions - Buy Back	-	-	-	-
Projected Net Investment Income	2,387,279	-	-	(2,387,279)
Difference between projected and actual earnings on Pension Plan investments	3,536,975	3,536,975	-	-
Current year amortization	-	(1,058,042)	(307,728)	(750,314)
Benefit Payments, including Refunds of Employee Contributions	(1,887,729)	-	-	-
Administrative Expenses	(92,221)	-	-	92,221
Net change	<u>5,037,792</u>	<u>2,478,933</u>	<u>(1,218,283)</u>	<u>(3,228,305)</u>
Ending Balance	<u>\$ (2,311,635)</u>	<u>\$ 3,929,878</u>	<u>TBD</u>	<u>\$ 222,152</u>

* Employer and State Contributions subsequent to the measurement date made after September 30, 2021 but made on or before September 30, 2022 need to be added.

AMORTIZATION SCHEDULE - INVESTMENTS

Increase (Decrease) in Pension Expense Arising from the Recognition of the of Differences Between Projected and Actual Earnings on Pension Plan Investments

Plan Year Ending	Differences Between Projected and Actual Earnings	Recognition Period (Years)	2021	2022	2023	2024	2025	2026	2027	2028	2029
2021	\$ (3,536,975)	5	\$ -	\$ (707,395)	\$ (707,395)	\$ (707,395)	\$ (707,395)	\$ (707,395)	\$ -	\$ -	\$ -
2020	\$ (859,234)	5	\$ (171,846)	\$ (171,847)	\$ (171,847)	\$ (171,847)	\$ (171,847)	\$ -	\$ -	\$ -	\$ -
2019	\$ 1,538,639	5	\$ 307,728	\$ 307,728	\$ 307,728	\$ 307,728	\$ -	\$ -	\$ -	\$ -	\$ -
2018	\$ (891,470)	5	\$ (178,294)	\$ (178,294)	\$ (178,294)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017	\$ (2,529)	5	\$ (506)	\$ (506)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2016	\$ 158,624	5	\$ 31,725	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Increase (Decrease) in Pension Expense			\$ (11,193)	\$ (750,314)	\$ (749,808)	\$ (571,514)	\$ (879,242)	\$ (707,395)	\$ -	\$ -	\$ -

AMORTIZATION SCHEDULE - CHANGES OF ASSUMPTIONS

Increase (Decrease) in Pension Expense Arising from the Recognition of the Effects of Changes of Assumptions

Plan Year Ending	Changes of Assumptions	Recognition Period (Years)	2021	2022	2023	2024	2025	2026	2027	2028	2029
2021	\$ 1,152,682	4	\$ -	\$ 288,169	\$ 288,171	\$ 288,171	\$ 288,171	\$ -	\$ -	\$ -	\$ -
2020	\$ (160,554)	5	\$ (32,110)	\$ (32,111)	\$ (32,111)	\$ (32,111)	\$ (32,111)	\$ -	\$ -	\$ -	\$ -
2016	\$ 201,521	5	\$ 40,304	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Increase (Decrease) in Pension Expense			\$ 8,194	\$ 256,058	\$ 256,060	\$ 256,060	\$ 256,060	\$ -	\$ -	\$ -	\$ -

AMORTIZATION SCHEDULE - EXPERIENCE

Increase (Decrease) in Pension Expense Arising from the Recognition of the Effects of Differences between Expected and Actual Experience

Plan Year Ending	Differences Between Expected and Actual Experience	Recognition Period (Years)	2021	2022	2023	2024	2025	2026	2027	2028	2029
2021	\$ (148,847)	4	\$ -	\$ (37,211)	\$ (37,212)	\$ (37,212)	\$ (37,212)	\$ -	\$ -	\$ -	\$ -
2020	\$ (217,129)	5	\$ (43,425)	\$ (43,426)	\$ (43,426)	\$ (43,426)	\$ (43,426)	\$ -	\$ -	\$ -	\$ -
2019	\$ (170,541)	5	\$ (34,108)	\$ (34,108)	\$ (34,108)	\$ (34,108)	\$ -	\$ -	\$ -	\$ -	\$ -
2018	\$ 28,595	5	\$ 5,719	\$ 5,719	\$ 5,719	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017	\$ (89,355)	5	\$ (17,871)	\$ (17,871)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2016	\$ (836,436)	5	\$ (167,287)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Increase (Decrease) in Pension Expense			\$ (256,972)	\$ (126,897)	\$ (109,027)	\$ (114,746)	\$ (80,638)	\$ -	\$ -	\$ -	\$ -