

BLOOMINGTON FIRE DEPARTMENT RELIEF ASSOCIATION PENSION FUND

GASB 67 and 68 DISCLOSURE Fiscal Year: January 1, 2020 to December 31, 2020

Prepared by

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Certification

Actuarial computations presented in this report under Statements No. 67 and 68 of the Governmental Accounting Standards Board are for purposes of assisting the Bloomington Fire Department Relief Association in fulfilling its financial accounting requirements. No attempt is being made to offer any accounting opinion or advice. This report is for fiscal year January 1, 2020 to December 31, 2020. The reporting date for determining plan assets and obligations is December 31, 2020. The calculations enclosed in this report have been made on a basis consistent with our understanding of the plan provisions. Determinations for purposes other than meeting financial reporting requirements may be significantly different than the results contained in this report. Accordingly, additional determinations may be needed for other purposes, such as judging benefit security or meeting employer funding requirements.

In preparing this report, we relied, without audit, on information as of January 1, 2021 and December 31, 2020 furnished by the Bloomington Fire Department Relief Association. This information includes, but is not limited to, statutory provisions, member census data, and financial information. The membership as of January 1, 2021 includes 112 active participants, 16 terminated vested and other inactive participants, and 213 retirees and beneficiaries. Please see Milliman's funding valuation report dated February 16, 2021 for more information on the plan's participant group as of January 1, 2021 as well as a summary of the plan provisions and a summary of the actuarial methods and assumptions used for funding purposes.

We performed a limited review of the census and financial information used directly in our analysis and have found them to be reasonably consistent and comparable with information used for other purposes. The valuation results depend on the integrity of this information. If any of this information is inaccurate or incomplete our results may be different and our calculations may need to be revised.

We hereby certify that, to the best of our knowledge, this report, including all costs and liabilities based on actuarial assumptions and methods, is complete and accurate and determined in conformance with generally recognized and accepted actuarial principles and practices, which are consistent with the Actuarial Standards of Practice promulgated by the Actuarial Standards Board and the applicable Guides to Professional Conduct, amplifying Opinions and supporting Recommendations of the American Academy of Actuaries.

Each of the assumptions used in this valuation with the exception of those set by law was set based on industry standard published tables and data, the particular characteristics of the plan, relevant information from the plan sponsor or other sources about future expectations, and our professional judgment regarding future plan experience. We believe the assumptions are reasonable for the contingencies they are measuring, and are not anticipated to produce significant cumulative actuarial gains or losses over the measurement period.

This valuation report is only an estimate of the Plan's financial condition as of a single date. It can neither predict the Plan's future condition nor guarantee future financial soundness. Actuarial valuations do not affect the ultimate cost of Plan benefits, only the timing of Plan contributions. While the valuation is based on an array of individually reasonable assumptions, other assumption sets may also be reasonable and valuation results based on those assumptions would be different. No one set of assumptions is uniquely correct. Determining results using alternative assumptions is outside the scope of our engagement.

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Certification

Future actuarial measurements may differ significantly from the current measurements presented in this report due to factors such as, but not limited to, 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. Due to the limited scope of the actuarial assignment, we did not perform an analysis of the potential range of such future measurements.

The valuation results have been developed using models employing standard actuarial techniques. In addition, Milliman's investment consulting practice has developed certain models to estimate the capital market assumptions used in this analysis. We have reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP). The models, including all input, calculations, and output may not be appropriate for any other purpose.

Milliman's work is prepared solely for the internal use and benefit of the Bloomington Fire Department Relief Association. To the extent that Milliman's work is not subject to disclosure under applicable public records laws, Milliman's work may not be provided to third parties without Milliman's prior written consent. Milliman does not intend to benefit or create a legal duty to any third party recipient of its work product. Milliman's consent to release its work product to any third party may be conditioned on the third party signing a Release, subject to the following exceptions: (a) the Plan Sponsor may provide a copy of Milliman's work, in its entirety, to the Plan Sponsor's professional service advisors who are subject to a duty of confidentiality and who agree to not use Milliman's work for any purpose other than to benefit the Fund; and (b) the Plan Sponsor may provide a copy of Milliman's work, in its entirety, to other governmental entities, as required by law.

No third party recipient of Milliman's work product should rely upon Milliman's work product. Such recipients should engage qualified professionals for advice appropriate to their specific needs.

The consultants who worked on this assignment are retirement actuaries. Milliman's advice is not intended to be a substitute for qualified legal or accounting counsel.

The signing actuaries are independent of the plan sponsor. We are not aware of any relationship that would impair the objectivity of our work.

On the basis of the foregoing, we hereby certify that, to the best of our knowledge and belief, this report is complete and has been prepared in accordance with generally recognized accepted actuarial principles and practices. We are members of the American Academy of Actuaries and meet the Qualification Standards to render the actuarial opinion contained herein.

Michael B. Caparoso, ASA, MAAA, EA

Associate Actuary

Timothy J. Herman, FSA, MAAA, EA Principal and Consulting Actuary

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Overview of GASB 67 and GASB 68

The Governmental Accounting Standards Board (GASB) released new accounting standards for public pension plans and participating employers in 2012. These standards, GASB Statements No. 67 and 68, have substantially revised the accounting requirements previously mandated under GASB Statements No. 25 and 27. The most notable change is the distinct separation of funding from financial reporting. The Annual Required Contribution (ARC) has been eliminated under GASB 67 and 68 and is no longer relevant for financial reporting purposes. As a result, plan sponsors have been encouraged to establish a formal funding policy that is separate from financial reporting calculations.

GASB 67 applies to financial reporting for public pension plans and is required to be implemented for plan fiscal years beginning after June 15, 2013. Note that a plan's fiscal year might not be the same as the employer's fiscal year. Even if the plan does not issue standalone financial statements, but rather is considered a pension trust fund of a government, it is subject to GASB 67. Under GASB 67, enhancements to the financial statement disclosures are required, along with certain required supplementary information.

GASB 68 governs the specifics of accounting for public pension plan obligations for participating employers and is required to be implemented for employer fiscal years beginning after June 15, 2014. GASB 68 requires a liability for pension obligations, known as the Net Pension Liability, to be recognized on the balance sheets of participating employers. Changes in the Net Pension Liability will be immediately recognized as Pension Expense on the income statement or reported as deferred inflows/outflows of resources depending on the nature of the change.

Executive Summary

Relationship Between Valuation Date, Measurement Date, and Reporting Date

The Valuation Date is January 1, 2021. This is the date as of which the actuarial valuation is performed. The Measurement Date is December 31, 2020. This is the date as of which the net pension liability is determined. The Reporting Date is December 31, 2020. This is the plan's and/or employer's fiscal year ending date.

Significant Changes

There have been no significant changes between the valuation date and fiscal year end.

Schedule of Employer Contributions

Fiscal Year Ending December 31	Actuarially Determined Contribution	Actual Employer Contribution ¹	Contribution Deficiency (Excess)	Covered Payroll ²	Contribution as a % of Covered Payroll
2011	\$3,316,111	\$3,486,392	(\$170,281)	\$10,059,924	34.66%
2012	2,105,542	2,214,207	(108,665)	9,069,840	24.41%
2013	2,199,801	2,312,826	(113,025)	9,668,988	23.92%
2014	3,016,121	3,170,255	(154,134)	10,110,384	31.36%
2015	1,630,173	1,715,281	(85,108)	10,773,375	15.92%
2016	1,396,485	1,469,482	(72,997)	11,003,580	13.35%
2017	1,552,692	1,633,873	(81,181)	10,513,294	15.54%
2018	2,024,948	2,130,346	(105,398)	11,486,832	18.55%
2019	446,855	609,799	(162,944)	12,348,216	4.94%
2020	2,416,691	2,541,359	(124,668)	11,526,144	22.05%
2021	1,309,527	N/A	N/A	N/A	N/A

¹ Includes both City of Bloomington and State of Minnesota contributions

² Annual covered payroll is based on the assumption that each active member earns the salary rate of the highest paid non-officer police officer in the City of Bloomington. Because all active plan members are volunteers, there is no actual payroll.

Actuarial Methods and Assumptions Used for Funding Policy

The following actuarial methods and assumptions were used in the January 1, 2020 funding valuation. Please see the valuation report dated February 19, 2020 for further details.

Valuation Timing Actuarially determined contribution rates are calculated as of January 1 prior to

the end of the fiscal year in which the contributions are reported.

Actuarial Cost Method Entry Age Normal

Amortization Method For the first plan year in which current assets are less than the actuarial

accrued liability, an initial base is established equal to the accrued liability initial unfunded actuarial accrued liability (UAAL) and is amortized as a level dollar

amount over 20 years.

For subsequent years in which the UAAL exceeds \$0, bases will be

established for actuarial losses, assumption changes, and plan amendments to be amortized over 20 years as a level dollar amount from the date of the establishment of the base and will be incorporated into the required

contribution development.

Otherwise, 10% of the excess of current assets over the actuarial accrued liability is treated as a supplemental credit and any amortization bases that existed prior to the plan's current assets exceeding the actuarial accrued

liabilities are considered fully amortized.1

Asset Valuation Method Market Value

Inflation/Salary Increases 4.00%

Investment Rate of Return 6.00%

Cost of Living Adjustments 4.00%

Retirement Age 50 with 20 years of service

Turnover See the January 1, 2020 Actuarial Valuation

Mortality Pre-Retirement: RP-2014 Employee Mortality projected back to 2006 base

year using Projection Scale MP-2014, and then projected forward using

Projection Scale MP-2017.

Post-Retirement: RP-2014 Annuitant Mortality projected back to 2006 base year using Projection Scale MP-2014, and then projected forward using Projection Scale MP-2017. Male rates are adjusted by a factor of 0.96.

Post-Disability: RP-2014 Annuitant Mortality projected back to 2006 base year using Projection Scale MP-2014, and then projected forward using Projection Scale MP-2017. Male rates are adjusted by a factor of 0.96.

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¹ Per Minnesota Session Laws 1994, Regular Session, Chapter 541, Section 2. It is Milliman's understanding that this Bloomington special law provision remains valid.

Statement of Fiduciary Net Position

	December 31, 2019	December 31, 2020
Assets		
Cash and cash equivalents	\$20,498	\$40,340
Receivables and prepaid expenses: Total receivables	0	0
Investments: Total investments	190,537,291	215,060,715
Total assets	190,557,789	215,101,055
Liabilities		
Accrued expenses and benefits payable	508,324	526,131
Total liabilities	508,324	526,131
Net position restricted for pensions	\$190,049,465	\$214,574,924

Statement of Changes in Fiduciary Net Position

	December 31, 2020
Additions	
State of Minnesota contributions	\$649,689
City of Bloomington contributions	1,891,670
Total contributions	2,541,359
Investment income (loss):	
Dividends	258,742
Net increase in fair value of investments	28,285,544
Less investment expenses:	
Direct investment expense	158,181
Net investment income	28,386,105
Total additions	30,927,464
Deductions	
Service benefits	6,292,678
Administrative expenses	109,327
Total deductions	6,402,005
Net increase (decrease)	24,525,459
Net position restricted for pensions	
Beginning of year (December 31, 2019) End of year (December 31, 2020)	190,049,465 \$214,574,924
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Long-Term Expected Rate of Return

The best-estimate range for the long-term expected rate of return is determined by adding expected inflation to expected long-term real returns and reflecting expected volatility and correlation. The capital market assumptions are per Milliman's investment consulting practice as of January 1, 2021.

	Long-Term
	Expected
	Geometric
	Real Rate
Asset Class	of Return
Cash	-0.52%
Investment Grade Bonds	0.66%
US Equity	2.76%
Developed International Equity	3.82%
Emerging Markets Equity	4.35%
Real Estate	3.18%
Private Equity	5.19%

Depletion Date Projection

GASB 67 and 68 generally require that a blended discount rate be used to measure the Total Pension Liability (the Actuarial Accrued Liability calculated using the Individual Entry Age Normal Cost Method). The long-term expected return on plan investments may be used to discount liabilities to the extent that the plan's Fiduciary Net Position (fair market value of assets) is projected to cover benefit payments and administrative expenses. A 20-year high quality (AA/Aa or higher) municipal bond rate must be used for periods where the Fiduciary Net Position is not projected to cover benefit payments and administrative expenses. Determining the discount rate under GASB 67 and 68 will often require that the actuary perform complex projections of future benefit payments and asset values. GASB 67 and 68 (paragraph 29) do allow for alternative evaluations of projected solvency, if such evaluation can reliably be made. GASB does not contemplate a specific method for making an alternative evaluation of sufficiency; it is left to professional judgment.

The following circumstances justify an alternative evaluation of sufficiency for the Bloomington Fire Department Relief Association:

- The contributions from the City of Bloomington and State of Minnesota have a history of meeting at least 100% of the Actuarially Determined Contribution (previously termed the Annual Required Contribution).
- The plan is currently over 100% funded and will contribute a portion of the normal cost plus expenses even if over 100% funded.
- GASB 67 and 68 specify that the projections regarding future solvency assume that plan assets earn the assumed rate of return and there are no future changes in the plan provisions or actuarial methods and assumptions, which means that the projections would not reflect any adverse future experience which might impact the plan's funded position

Based on these circumstances, it is our professional opinion that the detailed depletion date projections outlined in GASB 67 and 68 will show that the Fiduciary Net Position is always projected to be sufficient to cover benefit payments and administrative expenses.

Net Pension Liability

Net Pension Liability	December 31, 2019	December 31, 2020
Total pension liability	\$163,326,778	\$167,869,894
Fiduciary net position	190,049,465	214,574,924
Net pension liability	(26,722,687)	(46,705,030)
Fiduciary net position as a % of total pension liability	116.36%	127.82%
Covered payroll ¹	12,348,216	11,526,144
Net pension liability as a % of covered payroll	-216.41%	-405.21%

The total pension liability was determined by an actuarial valuation as of the valuation date, calculated based on the discount rate and actuarial assumptions below.

Discount Rate

Discount rate	6.00%	6.00%
Long-term expected rate of return, net of investment expense	6.00%	6.00%
Municipal bond rate	N/A	N/A

The plan's fiduciary net position was projected to be available to make all projected future benefit payments of current active and inactive employees. Therefore, the discount rate for calculating the total pension liability is equal to the long-term expected rate of return.

Other Key Actuarial Assumptions

The plan has not had a formal actuarial experience study performed.

Malager data	1 4 0000	I 4 0004
Valuation date	January 1, 2020	January 1, 2021
Measurement date	December 31, 2019	December 31, 2020
Actuarial cost method	Entry Age Normal	Entry Age Normal
Salary increases including inflation	4.00%	4.00%
Mortality	Pre-Retirement: RP-2014 Employee Mortality projected back to 2006 base year using Projection Scale MP-2014, and then projected forward using Projection Scale MP-2017.	Pre-Retirement: RP-2014 Employee Mortality projected back to 2006 base year using Projection Scale MP-2014, and then projected forward using Projection Scale MP- 2017.
	Post-Retirement: RP-2014 Annuitant Mortality projected back to 2006 base year using Projection Scale MP-2014, and then projected forward using Projection Scale MP-2017. Male rates are adjusted by a factor of 0.96.	Post-Retirement: RP-2014 Annuitant Mortality projected back to 2006 base year using Projection Scale MP-2014, and then projected forward using Projection Scale MP- 2017. Male rates are adjusted by a factor of 0.96.
	Post-Disability: RP-2014 Annuitant Mortality projected back to 2006 base year using Projection Scale MP-2014, and then projected forward using Projection Scale MP- 2017. Male rates are adjusted by a factor of 0.96.	Post-Disability: RP-2014 Annuitant Mortality projected back to 2006 base year using Projection Scale MP-2014, and then projected forward using Projection Scale MP- 2017. Male rates are adjusted by a factor of 0.96.

¹ Annual covered payroll is based on the assumption that each active member earns the salary rate of the highest paid non-officer police officer in the City of Bloomington. Because all active plan members are volunteers, there is no actual payroll.

Changes in Net Pension Liability

	Increase (Decrease)		
	Total Pension	Plan Fiduciary	Net Pension
	Liability	Net Position	Liability
Changes in Net Pension Liability	(a)	(b)	(a) - (b)
Balances as of December 31, 2019	\$163,326,778	\$190,049,465	(\$26,722,687)
Changes for the year:			
Service cost	3,516,374		3,516,374
Interest on total pension liability	9,824,558		9,824,558
Effect of plan changes	0		0
Effect of economic/demographic gains or losses	(2,505,138)		(2,505,138)
Effect of assumptions changes or inputs	0		0
Benefit payments	(6,292,678)	(6,292,678)	0
Employer contributions		2,541,359	(2,541,359)
Member contributions		0	0
Net investment income		28,386,105	(28,386,105)
Administrative expenses		(109,327)	109,327
Balances as of December 31, 2020	167,869,894	214,574,924	(46,705,030)

Sensitivity Analysis

The following presents the net pension liability of the Bloomington Fire Department Relief Association, calculated using the discount rate of 6.00%, as well as what the Bloomington Fire Department Relief Association's net pension liability would be if it were calculated using a discount rate that is 1 percentage point lower (5.00%) or 1 percentage point higher (7.00%) than the current rate.

	1%	Current	1%
	Decrease	Discount Rate	Increase
	5.00%	6.00%	7.00%
Total pension liability	\$196,944,087	\$167,869,894	\$145,122,302
Fiduciary net position	214,574,924	214,574,924	214,574,924
Net pension liability	(17,630,837)	(46,705,030)	(69,452,622)

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Schedule of Changes in Net Pension Liability and Related Ratios (in 1,000s)

				Fiscal	Year Endin	a Docomba	ν 24
	2020	2019	2018	2017	2016	2015	2014
Total Pension Liability				<u> </u>			
Service cost	\$3,516	\$3,870	\$3,530	\$3,482	\$2,955	\$3,142	\$3,048
Interest on total pension liability	9,825	9,212	8,792	8,422	7,998	8,072	7,444
Effect of plan changes	0	0	0	0	0	0	0
Effect of economic/demographic gains or losses	(2,505)	(3,359)	257	(153)	831	(7,292)	(1,567)
Effect of assumption changes or inputs	0	7,008	0	0	0	0	0
Benefit payments	(6,293)	(6,052)	(5,781)	(5,476)	(5,047)	(4,884)	(4,567)
Net change in total pension liability	4,543	10,679	6,798	6,275	6,738	(962)	4,357
Total pension liability, beginning	163,327	152,648	145,849	139,574	132,836	133,799	129,442
Total pension liability, ending (a)	167,870	163,327	152,648	145,849	139,574	132,836	133,799
Fiduciary Net Position							
Employer contributions	\$2,541	\$610	\$2,130	\$1,634	\$1,469	\$1,715	\$3,170
Member contributions	0	0	0	0	0	0	0
Investment income net of investment expenses	28,386	30,775	(7,267)	24,504	11,133	(1,024)	9,983
Benefit payments	(6,293)	(6,052)	(5,781)	(5,476)	(5,047)	(4,884)	(4,567)
Administrative expenses	(109)	(108)	(101)	(95)	(109)	(93)	(83)
Net change in plan fiduciary net position	24,525	25,225	(11,018)	20,567	7,447	(4,286)	8,502
Fiduciary net position, beginning	190,049	164,825	175,842	155,275	147,829	152,114	143,612
Fiduciary net position, ending (b)	214,575	190,049	164,825	175,842	155,275	147,829	152,114
Net pension liability, ending = (a) - (b)	(\$46,705)	(\$26,723)	(\$12,177)	(\$29,993)	(\$15,701)	(\$14,992)	(\$18,315)
Fiduciary net position as a % of total pension liability	127.82%	116.36%	107.98%	120.56%	111.25%	111.29%	113.69%
Covered payroll ¹	\$11,526	\$12,348	\$11,487	\$10,513	\$11,004	\$10,773	\$10,110
Net pension liability as a % of covered payroll	-405.21%	-216.41%	-106.01%	-285.29%	-142.69%	-139.16%	-181.15%

This schedule is presented to illustrate the requirement to show information for 10 years. However, recalculations of prior years are not required, and if prior years are not reported in accordance with the current GASB standards, they should not be reported.

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¹ Annual covered payroll is based on the assumption that each active member earns the salary rate of the highest paid non-officer police officer in the City of Bloomington. Because all active plan members are volunteers, there is no actual payroll.

Pension Expense

	January 1, 2019 to	January 1, 2020 to
Pension Expense	December 31, 2019	December 31, 2020
Service cost	\$3,869,840	\$3,516,374
Interest on total pension liability	9,212,131	9,824,558
Effect of plan changes	0	0
Administrative expenses	108,058	109,327
Member contributions	0	0
Expected investment return net of investment expenses	(9,725,410)	(11,288,836)
Recognition of Deferred Inflows/Outflows of Resources		
Recognition of economic/demographic gains or losses	(563,702)	(1,350,246)
Recognition of assumption changes or inputs	1,629,744	1,629,744
Recognition of investment gains or losses	(2,193,023)	(7,623,365)
Pension Expense/(Income)	2,337,638	(5,182,444)

As of December 31, 2020, the deferred inflows and outflows of resources are as follows:

Deferred Inflame / Outflame of Decourage	Deferred Inflows	Deferred Outflows
Deferred Inflows / Outflows of Resources	of Resouces	of Resouces
Differences between expected and actual experience	(\$3,642,443)	\$64,251
Changes of assumptions	0	3,748,412
Net difference between projected and actual earnings	(22,285,707)	0
Contributions made subsequent to measurement date	<u>0</u>	<u>0</u>
Total	(25,928,150)	3,812,663

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

Year ended December 31:	
2021	(\$6,895,196)
2022	(3,898,705)
2023	(7,902,133)
2024	(3,419,453)
2025	0
Thereafter*	0

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^{*} Note that additional future deferred inflows and outflows of resources may impact these numbers.

Schedule of Deferred Inflows and Outflows of Resources

	Amount Amount						
					Recognized	Balance of	Balance of
				in Pension	in Pension	Deferred	Deferred
			Original	Expense	Expense	Inflows	Outflows
	Original	Date	Rec.	for FYE	through	as of	as of
	Amount	Established	Period*	12/31/2020	12/31/2020	12/31/2020	12/31/2020
Economic/	(\$2,505,138)	12/31/2020	3.8	(\$659,247)	(\$659,247)	(\$1,845,891)	\$0
demographic	(3,358,770)		4.3	(781,109)	(1,562,218)	(1,796,552)	0
(gains) or	257,010	12/31/2018	4.0	64,253	192,759	0	64,251
losses	(152,691)	12/31/2017	3.8	(32,145)	(152,691)	0	0
	831,346	12/31/2016	4.3	58,002	831,346	<u>0</u>	<u>0</u>
		Total		(1,350,246)	(1,350,051)	(3,642,443)	64,251
Assumption	0	12/31/2020	0.0	0	0	0	0
changes or	7,007,900	12/31/2019	4.3	1,629,744	3,259,488	<u>0</u>	3,748,412
inputs	, ,	Total		1,629,744	3,259,488	0	3,748,412
Investment	(17,097,269)	12/31/2020	5.0	(3,419,454)	(3,419,454)	(13,677,815)	0
(gains) or	(21,049,368)	12/31/2019	5.0	(4,209,874)	(8,419,748)	(12,629,620)	0
losses	17,706,183	12/31/2018	5.0	3,541,237	10,623,711	0	7,082,472
	(15,303,720)	12/31/2017	5.0	(3,060,744)	(12,242,976)	(3,060,744)	0
	(2,372,642)	12/31/2016	5.0	(474,530)	(2,372,642)	<u>0</u>	<u>0</u>
		Total		(7,623,365)	(15,831,109)	(29,368,179)	7,082,472
Total for econor	mic/demogra	phic (gains) o	or losses				
and assumption changes or inputs (3,642,443)						3,812,663	
Net deferred (inflows)/outflows for investment (gains) or losses (22,285,707)						0	
Total deferred (inflows)/outflows (25,928,150)					3,812,663		
Total net deferrals (22,115,487)							

^{*} Investment (gains)/losses are recognized in pension expense over a period of five years; economic/demographic (gains)/losses and assumption changes or inputs are recognized over the average remaining service life for all active and inactive members.

	Total	Plan	Net	Net Investment			Net Pension		
	Pension	Fiduciary	Pension	Deferred	Deferred	(Inflows)/	Net	Liability plus	Annual
	Liability	Net Position	Liability	(Inflows)	Outflows	Outflows	Deferrals	Net Deferrals	Expense
Balances as of December 31, 2019	(\$163,326,778)	\$190,049,465	\$26,722,687	(\$2,609,806)	\$5,564,662	(\$12,811,803)	(\$9,856,947)	\$16,865,740	
Service cost	(3,516,374)		(3,516,374)						3,516,374
Interest on total pension liability	(9,824,558)		(9,824,558)						9,824,558
Effect of plan changes	0		0						0
Effect of liability gains or losses	2,505,138		2,505,138	(2,505,138)			(2,505,138)		
Effect of assumption changes or inputs	0		0				0		
Benefit payments	6,292,678	(6,292,678)	0						
Administrative expenses		(109,327)	(109,327)						109,327
Member contributions		0	0						0
Expected net investment income		11,288,836	11,288,836						(11,288,836)
Investment gains or losses		17,097,269	17,097,269			(17,097,269)	(17,097,269)		
Employer contributions		2,541,359	2,541,359					2,541,359	
Recognition of liability gains or losses Recognition of assumption changes or inputs Recognition of investment gains or losses				1,472,501	(122,255) (1,629,744)	7,623,365	1,350,246 (1,629,744) 7,623,365		(1,350,246) 1,629,744 (7,623,365)
Annual expense								5,182,444 	(5,182,444)
Balances as of December 31, 2020	(167,869,894)	214,574,924	46,705,030	(3,642,443)	3,812,663	(22,285,707)	(22,115,487)	24,589,543	

Glossary

Actuarially Determined Contribution

A target or recommended contribution to a defined benefit pension plan for the reporting period, determined based on the funding policy and most recent measurement available when the contribution for the reporting period was adopted.

Deferred Inflows/Outflows of Resources

Portion of changes in net pension liability that is not immediately recognized in Pension Expense. These changes include differences between expected and actual experience, changes in assumptions, and differences between expected and actual earnings on plan investments.

Discount Rate

Single rate of return that, when applied to all projected benefit payments, results in an actuarial present value of projected benefit payments equal to the sum of:

- The actuarial present value of benefit payments projected to be made in future periods where the plan assets are projected to be sufficient to meet benefit payments, calculated using the Long-Term Expected Rate of Return.
- 2) The actuarial present value of projected benefit payments not included in (1), calculated using the Municipal Bond Rate.

Fiduciary Net Position

Equal to market value of assets.

Long-Term Expected Rate of Return

Long-term expected rate of return on pension plan investments expected to be used to finance the payment of benefits, net of investment expenses.

Money-Weighted Rate of Return

The internal rate of return on pension plan investments, net of investment expenses.

Municipal Bond Rate

Yield or index rate for 20-year, tax-exempt general obligation municipal bonds with an average rating of AA/Aa or higher.

Net Pension Liability

Total Pension Liability minus the Plan's Fiduciary Net Position (unfunded accrued liability).

Projected Benefit Payments

All benefits estimated to be payable through the pension plan to current active and inactive employees as a result of their past service and expected future service.

Service Cost

The portion of the actuarial present value of projected benefit payments that is attributed to a valuation year.

Total Pension Liability

The portion of actuarial present value of projected benefit payments that is attributable to past periods of member service using the Entry Age Normal cost method based on the requirements of GASB 67 and 68.

GASB 67 and 68 Disclosure for Fiscal Year Ending December 31, 2020 Bloomington Fire Department Relief Association Pension Fund

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