



**Municipal Pensions  
Oversight Board**

**City of Fairmont  
West Virginia  
Firemen's Pension and Relief Fund**

GASB 68 Actuarial Information for the  
Measurement Period Ending  
June 30, 2023

**Bolton**

Submitted by:

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November 10, 2023

Ms. Priscilla Hamilton  
Finance Director  
City of Fairmont  
P.O. Box 1428  
Fairmont, WV 26555

Firefighter Jason Barker  
Pension Board Secretary  
City of Fairmont  
Firemen's Pension and Relief Fund

Re: City of Fairmont Firemen's Pension and Relief Fund  
GASB 68 Actuarial Information for the Measurement Period Ending June 30, 2023

Dear Priscilla,

The following report contains the GASB 67 and GASB 68 actuarial information for the City of Fairmont Firemen's Pension and Relief Fund to be included in the City's financial statements for FY 2023. The GASB 67 information has been provided as of June 30, 2023 (the GASB 68 measurement date for FY 2023).

### Methodology, Reliance and Certification

This report is prepared for the City. The report contains the actuarial information to be included with the City's financial statements for the year ending June 30, 2023 (the City's fiscal year end date) as required by GASB 68. This information has been prepared for use in the financial statements of the City. This information is not intended for, nor should it be used for, any additional purposes.

The total pension liability is based on the July 1, 2022 actuarial valuation rolled forward to June 30, 2023. The methods, assumptions, and participant data used are detailed in the July 1, 2022 actuarial valuation report with the exception of the actuarial cost method. These calculations are based on the Entry Age Normal cost method as required by GASB 67. The calculation of the Actuarially Determined Contribution (ADC) for the fiscal year ending June 30, 2023 is contained in the July 1, 2021 valuation report. The discount rate assumption may have changed if a blended rate was used for GASB purposes. The ADC and blended rate determination are based on the Plan using the Conservation funding policy as described in WV Code §8-22-20. Under this funding policy, the City makes contributions to two separate accounts: the Benefit Payment Account and the Accumulation Account. The Benefit Payment Account is used to pay benefits on a pay-as-you-go basis while the Accumulation Account cannot be used to pay benefits and expenses until assets equal or exceed actuarial liabilities.

The included calculations are based on a blended discount rate of 3.98%. A long-term expected rate of investment return of 4.25% has been blended with the 3.86% yield corresponding to the 20-year maturity on a municipal general obligation AA bond yield curve published on Fidelity's Fixed Income Market Data webpage as of June 30, 2023. We assumed benefits are discounted at the municipal bond rate when paid from the Benefit Payment Account and at the long-term rate of return when paid from the Accumulation Account. The development of the blended discount rate is included within this report.

### Methodology, Reliance and Certification (cont.)

The included calculations assume that the members and the City will continue to make all required contributions in accordance with the City's funding policy.

This is a deterministic valuation in that it is based on a single set of assumptions. This set of assumptions is one possible basis for our calculations. Other assumptions may be equally valid. The future is uncertain and the plan's actual experience will differ from the assumptions; the differences may be significant or material because the results are very sensitive to the assumptions made and, in some cases, to the interaction between the assumptions. We may consider that some factors are not material to the valuation of the plan and may not provide a specific assumption for those factors. We may have used other assumptions in the past. We will likely consider changes in assumptions at a future date.

The City is responsible for selecting the plan's funding policy based on five methods allowed for under state law. The actuarial valuation methods are chosen by the actuary in accordance with actuarial standards of practice promulgated by the Actuarial Standards Board of the American Academy of Actuaries and as required by GASB 67 & 68. The MPOB selects the asset valuation methods and assumptions; these selections are reviewed by a qualified actuary no less than every five years. The actuary shall provide a report to the Board with recommendations on any changes to the actuarial process. The policies, methods and assumptions used in this valuation are those that have been so prescribed and are described in this report. The City and MPOB are solely responsible for communicating to Bolton Partners, Inc. any changes required thereto.

The City could reasonably ask how the valuation would change if we used a different assumption set or if plan experience exhibited variations from our assumptions. This report does not contain such an analysis. That type of analysis would be a separate assignment.

The cost of this plan is determined by the benefits promised by the plan, the plan's participant population, the investment experience of the plan and many other factors. An actuarial valuation is a budgeting tool for the City or, in this case, a measure of accounting expense. It does not affect the cost of the plan. As the experience of the plan evolves, it is normal for the level of contributions and expense of the plan to change.

We make every effort to ensure that our calculations are accurately performed. We reserve the right to correct any potential errors by amending the results of this report or by including the corrections in a future valuation report.

Because modeling all aspects of a situation is not possible or practical, we may use summary information, estimates, or simplifications of calculations to facilitate the modeling of future events in an efficient and cost-effective manner. We may also exclude factors or data that are immaterial in our judgment. Use of such simplifying techniques does not, in our judgment, affect the reasonableness of valuation results for the plan.

This report is based on plan provisions, census data, and asset data submitted by the City. We have relied on this information for purposes of preparing this report, but have not performed an audit. The accuracy of the results presented in this report is dependent upon the accuracy and completeness of the underlying information. The plan sponsor is solely responsible for the validity and completeness of this information.



Methodology, Reliance and Certification (cont.)

The valuation was completed using both proprietary and third-party models (including software and tools). We have tested these models to ensure they are used for their intended purposes, within their known limitations, and without any known material inconsistencies unless otherwise stated.

The City is solely responsible for selecting the plan's investment policies, asset allocations and individual investments. Bolton Partners, Inc.'s actuaries have not provided any investment advice to the City.

The information in this report was prepared for the internal use of the City, the plan and their auditors in connection with our actuarial valuations of the pension plan as required by GASB 68. This report may not be used for any other purpose; Bolton Partners, Inc. is not responsible for the consequences of any unauthorized use or the reliance on this information by any other party.

The calculation of actuarial liabilities for valuation purposes is based on a current estimate of future benefit payments. The calculation includes a computation of the "present value" of those estimated future benefit payments using an assumed discount rate; the higher the discount rate assumption, the lower the estimated liability will be.

As described on page 1, the municipal bond rate is used to discount benefit payments assumed to be made from the Benefit Payment Account while the expected long-term rate of return on plan investments assumption is used to discount benefit payments made from the Accumulation Account. If, instead, the municipal bond rate were used to discount all benefit payments from both accounts, the estimated present value of future and accrued benefits could substantially increase.

This report provides certain financial calculations for use by the auditor. These values have been computed in accordance with our understanding of generally accepted actuarial principles and practices and fairly reflect the actuarial position of the plan. The various actuarial assumptions and methods which have been used are, in our opinion, appropriate for the purposes of this report.

The report is conditioned on the assumption of an ongoing plan and is not meant to present the actuarial position of the plan in the case of plan termination. Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions, changes in economic or demographic assumptions, increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status), and changes in plan provisions or applicable law.

The undersigned enrolled actuaries meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein. The July 1, 2022 actuarial valuation report contains information that is integral to the results contained herein and a copy may be provided upon request.

Sincerely,



James Ritchie, ASA, EA, FCA, MAAA



Jordan McClane, FSA, EA, FCA, MAAA



City of Fairmont, West Virginia Firemen's Pension and Relief Fund  
 Actuarial Information to Include in the Financial Statements  
 for the June 30, 2023 Measurement Date



Net Pension Liability of the Employer

The components of the net pension liability of the Employer at June 30, 2023, were as follows:

Total pension liability	\$ 52,977,182
Plan fiduciary net position	(7,597,132)
Employer's net pension liability	<u>\$ 45,380,050</u>
Plan fiduciary net position as a percentage of the total pension liability	14.34%

Actuarial assumptions. The total pension liability was determined by an actuarial valuation as of July 1, 2022 rolled forward to June 30, 2023 using the following actuarial assumptions, applied to all periods included in the measurement:

Inflation	2.50 percent
Salary increases	Rates vary by years of service
Single discount rate (BOY)	3.85%
Single discount rate (EOY)	3.98%
Investment rate of return (BOY)	4.25%, net of pension plan investment expense, including inflation
Investment rate of return (EOY)	4.25%, net of pension plan investment expense, including inflation
Long-term municipal bond rate (BOY)	3.69%
Long-term municipal bond rate (EOY)	3.86%
Mortality	SOA PubS-2010(B) with generational projection using Scale MP-2019
Year Fund is projected to be fully funded	2053
Year assets are expected to be depleted for a closed plan	N/A

The above is a summary of key actuarial assumptions. Full descriptions of the actuarial assumptions are available in the July 1, 2022 actuarial valuation report.

Sensitivity of the net pension liability to changes in the discount rate

	1% Decrease 2.98%	Current Discount Rate 3.98%	1% Increase 4.98%
Employer's net pension liability	\$ 53,424,887	\$ 45,380,050	\$ 38,916,815

City of Fairmont, West Virginia Firemen's Pension and Relief Fund  
 Actuarial Information to Include in the Financial Statements  
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Changes in the Net Pension Liability

	Total Pension Liability (a)	Increase (Decrease) Plan Fiduciary Net Position (b)	Net Pension Liability (a) - (b)
<b>Balances at 6/30/22</b>	\$ 51,382,800	\$ 6,916,797	\$ 44,466,003
<b>Changes for the year:</b>			
Service cost	1,295,418		1,295,418
Interest	1,941,590		1,941,590
Changes of benefit terms	-		-
Differences between expected and actual experience	1,208,022		1,208,022
Changes of assumptions	(946,875)		(946,875)
Contributions - employer (including Premium Tax Allocation)		1,934,821	(1,934,821)
Contributions - member		219,475	(219,475)
Net investment income		429,682	(429,682)
Benefit payments, including refunds of member contributions	(1,903,773)	(1,903,773)	-
Administrative expense		(1,054)	1,054
Other		1,184	(1,184)
<b>Net Changes</b>	<u>1,594,382</u>	<u>680,335</u>	<u>914,047</u>
<b>Balances at 6/30/23</b>	<u>\$ 52,977,182</u>	<u>\$ 7,597,132</u>	<u>\$ 45,380,050</u>
Return on Investments		6.1%	

City of Fairmont, West Virginia Firemen's Pension and Relief Fund  
 Actuarial Information to Include in the Financial Statements  
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Components of Employer's Pension Expense for the Fiscal Year Ended June 30, 2023

Note	Description	Amount
A	Service cost	\$ 1,295,418
B	Interest on the total pension liability	1,941,590
A	Changes of benefit terms	-
C	Differences between expected and actual experience	1,953,060
C	Changes of assumptions	(4,064,928)
A	Employee contributions	(219,475)
D	Projected earnings on pension plan investments	(299,291)
C	Differences between expected and actual earnings on plan investments	(64,041)
A	Pension plan administrative expense	1,054
A	Other changes in fiduciary net position	(1,184)
<b>Total Pension Expense</b>		<b>\$ 542,203</b>

Notes:

A Provided in the Changes in Net Pension Liability exhibit.

B Based on the following calculation:

	Amount for Period (a)	Portion of Period (b)	Interest Rate (c)	Projected Earnings (a) x (b) x (c)
Beginning total pension liability	\$ 51,382,800	100%	3.85%	\$ 1,978,238
Service cost (End of Year)	1,295,418	0%	3.85%	-
Benefit payments, including refunds of employee contributions	(1,903,773)	50%	3.85%	(36,648)
<b>Total interest on the total pension liability</b>				<b>\$ 1,941,590</b>

C Provided in the Schedules of Deferrals.

D Based on the following calculation:

	Amount for Period (a)	Portion of Period (b)	Projected Rate of Return (c)	Projected Earnings (a) x (b) x (c)
Beginning plan fiduciary net position	\$ 6,916,797	100%	4.25%	\$ 293,964
Employer contributions	1,934,821	50%	4.25%	41,115
Employee contributions	219,475	50%	4.25%	4,664
Benefit payments, including refunds of employee contributions	(1,903,773)	50%	4.25%	(40,455)
Administrative expense and other	130	50%	4.25%	3
<b>Total Projected Earnings</b>				<b>\$ 299,291</b>

City of Fairmont, West Virginia Firemen's Pension and Relief Fund  
 Actuarial Information to Include in the Financial Statements  
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Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions

At June 30, 2023, the Employer 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	\$ 1,035,300	\$ -
Changes of assumptions	-	4,056,994
Net difference between projected and actual earnings on pension plan investments	10,874	-
<b>Total</b>	<b>\$ 1,046,174</b>	<b>\$ 4,056,994</b>

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

<b>Year ended June 30:</b>	
2024	\$ (3,075,122)
2025	(49,144)
2026	139,525
2027	(26,079)
2028	-
Thereafter	-



City of Fairmont, West Virginia Firemen's Pension and Relief Fund  
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for the June 30, 2023 Measurement Date



Changes in the Employer's Net Pension Liability and Related Ratios  
Last 10 Fiscal Years

Total pension liability	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Service cost	\$ 1,295,418	\$ 1,760,639	\$ 1,578,074	\$ 1,420,130	\$ 1,407,671	\$ 1,244,719	\$ 1,383,404	\$ 868,066	\$ 812,884	\$ 767,965
Interest	1,941,590	1,490,799	1,658,429	1,723,926	1,698,499	1,660,005	1,540,023	1,648,491	1,625,068	1,693,559
Changes of benefit terms	-	-	-	-	-	-	-	-	-	-
Differences between expected and actual experience	1,208,022	1,293,869	2,753,275	(889,472)	1,610,281	(517,413)	(1,654,431)	4,042	(1,337,486)	-
Changes of assumptions	(946,875)	(10,750,671)	(23,799)	2,867,323	3,507,534	(329,939)	(3,163,235)	9,497,572	593,316	1,099,407
Benefit payments, including refunds of member contributions	(1,903,773)	(1,749,109)	(1,651,453)	(1,605,737)	(1,526,654)	(1,524,211)	(1,529,229)	(1,547,140)	(1,595,187)	(1,563,490)
Net change in total pension liability	1,594,382	(7,954,473)	4,314,526	3,516,170	6,697,331	533,161	(3,423,468)	10,471,031	98,595	1,997,441
Total pension liability - beginning	51,382,800	59,337,273	55,022,747	51,506,577	44,809,246	44,279,085	47,699,553	37,228,522	37,129,927	35,132,486
<b>Total pension liability - ending (a)</b>	<b>\$ 52,977,182</b>	<b>\$ 51,382,800</b>	<b>\$ 59,337,273</b>	<b>\$ 55,022,747</b>	<b>\$ 51,506,577</b>	<b>\$ 44,809,246</b>	<b>\$ 44,276,085</b>	<b>\$ 47,699,553</b>	<b>\$ 37,228,522</b>	<b>\$ 37,129,927</b>
<b>Plan fiduciary net position</b>	<b>2023</b>	<b>2022</b>	<b>2021</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>
Contributions - employer (including Premium Tax Allocation)	\$ 1,934,821	\$ 2,225,678	\$ 2,540,912	\$ 2,052,573	\$ 1,725,736	\$ 1,722,618	\$ 1,422,301	\$ 1,342,753	\$ 1,324,270	\$ 1,209,650
Contributions - member	219,475	202,404	199,517	195,246	174,216	180,003	165,937	165,382	164,249	162,770
Net investment income	429,682	(526,103)	1,170,623	181,604	185,580	155,499	165,421	21,071	51,321	258,994
Benefit payments, including refunds of member contributions	(1,903,773)	(1,749,109)	(1,651,453)	(1,605,737)	(1,526,654)	(1,524,211)	(1,529,229)	(1,547,140)	(1,595,187)	(1,563,490)
Administrative expense	(1,054)	(1,145)	(1,264)	(972)	(862)	(2,350)	(1,777)	(1,433)	(1,189)	(1,752)
Other	1,184	-	20	4	(675)	463,165	218,861	25,958	752	54,076
Net change in plan fiduciary net position	\$ 680,335	\$ 151,725	\$ 2,258,355	\$ 822,718	\$ 557,341	\$ 994,724	\$ 441,514	\$ 6,591	\$ (55,784)	\$ 120,248
Plan fiduciary net position - beginning	6,916,797	6,765,072	4,506,717	3,683,999	3,126,658	2,131,934	1,690,420	1,683,829	1,739,613	1,619,365
<b>Plan fiduciary net position - ending (b)</b>	<b>\$ 7,597,132</b>	<b>\$ 6,916,797</b>	<b>\$ 6,765,072</b>	<b>\$ 4,506,717</b>	<b>\$ 3,683,999</b>	<b>\$ 3,126,658</b>	<b>\$ 2,131,934</b>	<b>\$ 1,690,420</b>	<b>\$ 1,683,829</b>	<b>\$ 1,739,613</b>
Employer's net pension liability - ending (a)-(b)	\$ 45,380,050	\$ 44,466,003	\$ 52,572,201	\$ 50,516,030	\$ 47,822,578	\$ 41,682,588	\$ 42,144,151	\$ 46,009,133	\$ 35,544,693	\$ 35,390,314
Plan fiduciary net position as a percentage of the total pension liability	14.34%	13.46%	11.40%	8.19%	7.15%	6.98%	4.82%	3.54%	4.25%	4.69%
Covered payroll	\$ 2,141,021	\$ 2,048,699	\$ 1,962,217	\$ 1,948,787	\$ 1,958,395	\$ 1,864,926	\$ 1,831,847	\$ 1,925,962	\$ 1,841,996	\$ 1,825,201
Employer's net pension liability as a percentage of covered payroll	2119.55%	2170.45%	2679.22%	2592.18%	2441.93%	2235.08%	2133.64%	2388.89%	1929.68%	1938.98%
Expected average remaining service years of all participants	2.00	3.00	3.00	3.00	3.00	3.45	3.59	3.80	3.73	3.86

**Notes to Schedule:**

Benefit changes: There were no changes for FY2023.

Changes of assumptions: The discount rate changed from 3.85% to 3.98%.

\*The Plan Fiduciary Net Position as of July 1, 2020 provided to Bolton by the City does not match the Plan Fiduciary Net Position as of June 30, 2020 as provided in the prior GASB report. A difference of \$6,558 has been excluded from investment income for the measurement period ending June 30, 2021.

\*The Plan Fiduciary Net Position as of July 1, 2019 provided to Bolton by the City does not match the Plan Fiduciary Net Position as of June 30, 2019 as provided in the prior GASB report. The difference of \$5,730 has been included as investment income for the measurement period ending June 30, 2020.

City of Fairmont, West Virginia Firemen's Pension and Relief Fund  
 Actuarial Information to Include in the Financial Statements  
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Schedule of Employer Contributions  
 Last 10 Fiscal Years

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Actuarially determined contribution	\$ 3,436,266	\$ 3,263,518	\$ 3,215,582	\$ 3,359,710	\$ 3,229,422	\$ 2,833,286	\$ 2,721,289	\$ 2,677,659	\$ 1,974,513	\$ 19,252,499
Contributions in relation to the actuarially determined contribution										
Employer provided	1,506,810	1,761,647	2,060,902	1,584,784	1,282,498	1,288,135	988,285	924,310	907,479	805,791
State provided	428,011	464,031	480,010	467,789	443,238	434,483	434,016	418,443	416,791	403,859
Contribution deficiency (excess)	<u>\$ 1,501,445</u>	<u>\$ 1,037,840</u>	<u>\$ 674,670</u>	<u>\$ 1,307,137</u>	<u>\$ 1,503,686</u>	<u>\$ 1,110,668</u>	<u>\$ 1,298,988</u>	<u>\$ 1,334,906</u>	<u>\$ 650,243</u>	<u>\$ 18,042,849</u>
Covered payroll	\$ 2,141,021	\$ 2,048,699	\$ 1,962,217	\$ 1,948,787	\$ 1,958,395	\$ 1,864,926	\$ 1,831,847	\$ 1,925,962	\$ 1,841,996	\$ 1,825,201
Contributions as a percentage of covered employee payroll	90.37%	108.64%	129.49%	105.33%	88.12%	92.37%	77.64%	69.72%	71.89%	66.27%

Notes to Schedule

Valuation date:

Actuarially determined contribution amounts are calculated as of the beginning of the fiscal year (July 1) for the year immediately following the fiscal year. The assumption shown below are those used in the 7/1/2021 actuarial valuation to calculate the FY2023 ADC. Assumptions used to determine all contributions in the past would not have been the same.

Methods and assumptions used to determine contribution rates:

Actuarial cost method	Entry Age Normal
Amortization method	Level Dollar
Remaining amortization period	15 to 27.5 years
Asset valuation method	4-year smoothed market
Inflation	2.50 percent
Salary increases	Rates vary by years of service
Investment rate of return	4.25%, net of pension plan investment expense, including inflation
Retirement age	Rates vary by age
Mortality	SOA PubS-2010(B) with generational projection using Scale MP-2019

City of Fairmont, West Virginia Firemen's Pension and Relief Fund  
 Actuarial Information to Include in the Financial Statements  
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Schedule of Differences between Projected and Actual Earnings on Pension Plan Investments

In conformity with paragraph 33b of Statement 68, the effects of differences between projected and actual earnings on pension plan investments are recognized in pension expense using a systematic and rational method over a closed five-year period, beginning in the current reporting period. The following table illustrates the application of this requirement.

Increase (Decrease) in Pension Expense Arising from the Recognition of Differences between Projected and Actual Earnings on Plan Investments											
Year	Differences between Projected and Actual Earnings on Pension Plan Investments	Recognition Period (Years)	2019	2020	2021	2022	2023	2024	2025	2026	2027
2019	\$ (53,079)	5	\$ (10,616)	(10,616)	(10,616)	(10,616)	(10,615)				
2020	(21,422)	5		\$ (4,284)	(4,284)	(4,284)	(4,284)	(4,286)			
2021	(943,347)	5			\$ (188,669)	(188,669)	(188,669)	(188,669)	(188,671)		
2022	828,023	5				\$ 165,605	165,605	165,605	165,605	165,603	
2023	(130,391)	5					\$ (26,078)	(26,078)	(26,078)	(26,078)	(26,079)
Net increase (decrease) in pension expense							\$ (64,041)	\$ (53,428)	\$ (49,144)	\$ 139,525	\$ (26,079)

Deferred Outflows of Resources and Deferred Inflows of Resources Arising from Differences between Projected and Actual Earnings on Pension Plan Investments

Year	Investment Earnings Less than Projected (a)	Investment Earnings Greater Than Projected (b)	Amounts Recognized in Pension Expense Through June 30, 2023 (c)	Balances at June 30, 2023	
				Deferred Outflows of Resources (a) - (c)	Deferred Inflows of Resources (b) - (c)
2019	\$ -	\$ 53,079	\$ 53,079	\$ -	\$ -
2020	-	21,422	17,136	-	4,286
2021	-	943,347	566,007	-	377,340
2022	828,023	-	331,210	496,813	-
2023	-	130,391	26,078	-	104,313
				\$ 496,813	\$ 485,939

City of Fairmont, West Virginia Firemen's Pension and Relief Fund  
 Actuarial Information to Include in the Financial Statements  
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Schedule of Differences between Expected and Actual Experience

In conformity with paragraph 33a of Statement 68, the effects of differences between expected and actual experience are recognized in pension expense, beginning in the current reporting period, using a systematic and rational method over a closed period equal to the average of the remaining service lives of all employees that are provided with pensions through the pension plan (active and inactive employees), determined as of the beginning of the measurement period. The following table illustrates the application of this requirement.

Increase (Decrease) in Pension Expense Arising from the Recognition of Differences between Expected and Actual Experience																			
Year	Differences between Expected and Actual Experience	Recognition Period (Years)	Prior	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Thereafter
Prior	-	-																	
2014	-	-																	
2015	(1,337,486)	3.726428			\$ (358,919)	(358,919)	(358,919)	(260,729)											
2016	4,042	3.803432				\$ 1,063	1,063	1,063	853										
2017	(1,654,431)	3.592531					\$ (460,520)	(460,520)	(460,520)	(272,871)									
2018	(517,413)	3.449032						\$ (150,017)	(150,017)	(150,017)	(67,362)								
2019	1,610,281	3.000000							\$ 536,760	536,760	536,761								
2020	(889,472)	3.000000								\$ (296,491)	(296,491)	(296,490)							
2021	2,753,275	3.000000									\$ 917,758	917,758	917,759						
2022	1,293,869	3.000000										\$ 431,290	431,290	431,289					
2023	1,208,022	2.000000											\$ 604,011	604,011					
Net increase (decrease) in pension expense													\$ 1,953,060	\$ 1,035,300	\$ -	\$ -	\$ -	\$ -	\$ -

Deferred Outflows of Resources and Deferred Inflows of Resources Arising from Differences between Expected and Actual Experience

Year	Experience Losses (a)	Experience Gains (b)	Amounts Recognized in Pension Expense Through June 30, 2023 (c)	Balances at June 30, 2023	
				Deferred Outflows of Resources (a) - (c)	Deferred Inflows of Resources (b) - (c)
Prior	\$ -	\$ -	\$ -	\$ -	\$ -
2014	-	-	-	-	-
2015	-	1,337,486	1,337,486	-	-
2016	4,042	-	4,042	-	-
2017	-	1,654,431	1,654,431	-	-
2018	-	517,413	517,413	-	-
2019	1,610,281	-	1,610,281	-	-
2020	-	889,472	889,472	-	-
2021	2,753,275	-	2,753,275	-	-
2022	1,293,869	-	862,580	431,289	-
2023	1,208,022	-	604,011	604,011	-
				\$ 1,035,300	\$ -

City of Fairmont, West Virginia Firemen's Pension and Relief Fund  
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Schedule of Changes of Assumptions

In conformity with paragraph 33a of Statement 68, the effects of changes of assumptions should be recognized in pension expense, beginning in the current reporting period, using a systematic and rational method over a closed period equal to the average of the remaining service lives of all employees that are provided with pensions through the pension plan (active and inactive employees), determined as of the beginning of the measurement period. The following table illustrates the application of this requirement.

Increase (Decrease) in Pension Expense Arising from the Effects of Changes of Assumptions																			
Year	Changes of Assumptions	Recognition Period (Years)	Prior	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Thereafter
Prior	\$ -	-																	-
2014	1,099,407	3.860970		\$ 284,749	284,749	284,749	245,160												
2015	593,316	3.726428			\$ 159,218	159,218	159,218	115,662											
2016	9,497,572	3.803432				\$ 2,497,106	2,497,106	2,497,106	2,006,254										
2017	(3,163,235)	3.592531					\$ (880,503)	(880,503)	(880,503)	(521,726)									
2018	(329,939)	3.449032						\$ (95,661)	(95,661)	(42,956)									
2019	3,507,534	3.000000							\$ 1,169,178	1,169,178	1,169,178								
2020	2,867,323	3.000000								\$ 955,774	955,774	955,775							
2021	(23,799)	3.000000									\$ (7,933)	(7,933)	(7,933)						
2022	(10,750,671)	3.000000										\$ (3,583,557)	(3,583,557)	(3,583,557)					
2023	(946,875)	2.000000											\$ (473,438)	(473,437)					
Net increase (decrease) in pension expense													\$ (4,064,928)	\$ (4,056,994)	\$ -	\$ -	\$ -	\$ -	\$ -

Deferred Outflows of Resources and Deferred Inflows of Resources Arising from Changes of Assumptions

Year	Increases in the Total Pension Liability (a)	Decreases in the Total Pension Liability (b)	Amounts Recognized in Pension Expense Through June 30, 2023 (c)	Balances at June 30, 2023	
				Deferred Outflows of Resources (a) - (c)	Deferred Inflows of Resources (b) - (c)
Prior	\$ -	\$ -	\$ -	\$ -	\$ -
2014	1,099,407	-	1,099,407	-	-
2015	593,316	-	593,316	-	-
2016	9,497,572	-	9,497,572	-	-
2017	-	3,163,235	3,163,235	-	-
2018	-	329,939	329,939	-	-
2019	3,507,534	-	3,507,534	-	-
2020	2,867,323	-	2,867,323	-	-
2021	-	23,799	23,799	-	-
2022	-	10,750,671	7,167,114	-	3,583,557
2023	-	946,875	473,438	-	473,437
			\$ -	\$ -	\$ 4,056,994

City of Fairmont, West Virginia Firemen's Pension and Relief Fund  
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Projection of Pension Plan's Fiduciary Net Position

Fiscal Year	Number (BOY)		Benefit Payment Account							Accumulation Account							Accrued Liability	Unfunded Liability	Funded Ratio
	Active	Non-Active	Assets (BOY)	Net Benefit Pmts and Expenses	Employer Contributions	Employee Contributions	100.00% of Premium Tax Allocation	Investment Income	Transfer (To)/From Accumulation Account	Assets (BOY)	Net Benefit Pmts and Expenses	Employer Contributions	1.50% of Pay Employee Contributions	0.00% of Premium Tax Allocation	Investment Income				
2024	29	53	\$ 556,407	\$ 2,100,768	\$ 1,452,514	\$ 142,718	\$ 505,536	\$ 23,647	\$ (580,054)	\$ 7,040,726	\$ -	\$ -	\$ 30,165	\$ -	\$ 299,865	\$ 52,218,163	\$ 44,267,353	15%	
2025	25	54	\$ -	\$ 2,250,763	\$ 1,611,208	\$ 129,996	\$ 509,559	\$ -	\$ -	\$ 7,950,810	\$ -	\$ -	\$ 27,433	\$ -	\$ 338,486	\$ 53,129,655	\$ 44,812,926	16%	
2026	22	56	\$ -	\$ 2,420,094	\$ 1,769,273	\$ 115,787	\$ 535,034	\$ -	\$ -	\$ 8,316,729	\$ -	\$ -	\$ 24,379	\$ -	\$ 353,974	\$ 53,789,619	\$ 45,094,537	16%	
2027	19	58	\$ -	\$ 2,576,192	\$ 1,925,367	\$ 102,395	\$ 548,430	\$ -	\$ -	\$ 8,695,082	\$ -	\$ -	\$ 21,508	\$ -	\$ 369,993	\$ 54,209,304	\$ 45,122,721	17%	
2028	16	59	\$ -	\$ 2,757,365	\$ 2,109,426	\$ 85,778	\$ 562,161	\$ -	\$ -	\$ 9,086,583	\$ -	\$ -	\$ 17,939	\$ -	\$ 386,557	\$ 54,324,351	\$ 44,833,272	17%	
2029	13	61	\$ -	\$ 2,884,684	\$ 2,234,072	\$ 74,376	\$ 576,236	\$ -	\$ -	\$ 9,491,079	\$ -	\$ -	\$ 15,491	\$ -	\$ 403,697	\$ 54,227,077	\$ 44,316,810	18%	
2030	11	62	\$ -	\$ 2,994,946	\$ 2,335,192	\$ 64,713	\$ 595,041	\$ -	\$ -	\$ 9,910,267	\$ -	\$ -	\$ 13,409	\$ -	\$ 421,468	\$ 53,938,672	\$ 43,593,528	19%	
2031	9	62	\$ -	\$ 3,106,289	\$ 2,441,217	\$ 53,684	\$ 611,388	\$ -	\$ -	\$ 10,345,144	\$ -	\$ -	\$ 11,046	\$ -	\$ 439,901	\$ 53,438,342	\$ 42,642,251	20%	
2032	7	62	\$ -	\$ 3,170,272	\$ 2,492,121	\$ 47,249	\$ 630,902	\$ -	\$ -	\$ 10,796,091	\$ -	\$ -	\$ 9,656	\$ -	\$ 459,037	\$ 52,800,070	\$ 41,535,286	21%	
2033	6	62	\$ -	\$ 3,193,748	\$ 2,503,347	\$ 43,737	\$ 646,664	\$ -	\$ -	\$ 11,264,784	\$ -	\$ -	\$ 8,898	\$ -	\$ 478,940	\$ 52,084,236	\$ 40,331,614	23%	
2034	5	61	\$ -	\$ 3,207,771	\$ 2,502,766	\$ 40,249	\$ 664,756	\$ -	\$ -	\$ 11,752,622	\$ -	\$ -	\$ 8,179	\$ -	\$ 499,658	\$ 51,296,353	\$ 39,035,894	24%	
2035	5	61	\$ -	\$ 3,267,760	\$ 2,549,707	\$ 33,047	\$ 685,006	\$ -	\$ -	\$ 12,260,459	\$ -	\$ -	\$ 6,678	\$ -	\$ 521,210	\$ 50,361,489	\$ 37,573,142	25%	
2036	3	60	\$ -	\$ 3,295,474	\$ 2,563,466	\$ 27,301	\$ 704,707	\$ -	\$ -	\$ 12,788,347	\$ -	\$ -	\$ 5,466	\$ -	\$ 543,620	\$ 49,319,971	\$ 35,982,538	27%	
2037	3	59	\$ -	\$ 3,307,688	\$ 2,557,725	\$ 23,456	\$ 726,507	\$ -	\$ -	\$ 13,337,433	\$ -	\$ -	\$ 4,641	\$ -	\$ 566,938	\$ 48,195,653	\$ 34,286,641	29%	
2038	2	58	\$ -	\$ 3,323,633	\$ 2,541,009	\$ 18,003	\$ 764,621	\$ -	\$ -	\$ 13,909,012	\$ -	\$ -	\$ 3,518	\$ -	\$ 591,207	\$ 46,970,508	\$ 32,466,771	31%	
2039	1	57	\$ -	\$ 3,315,976	\$ 2,518,367	\$ 13,928	\$ 783,681	\$ -	\$ -	\$ 14,503,737	\$ -	\$ -	\$ 2,711	\$ -	\$ 616,466	\$ 45,673,783	\$ 30,550,869	33%	
2040	1	56	\$ -	\$ 3,286,801	\$ 2,471,780	\$ 11,804	\$ 803,217	\$ -	\$ -	\$ 15,122,914	\$ -	\$ -	\$ 2,279	\$ -	\$ 643,772	\$ 44,337,267	\$ 28,569,302	36%	
2041	1	54	\$ -	\$ 3,262,374	\$ 2,430,284	\$ 8,848	\$ 823,242	\$ -	\$ -	\$ 15,767,965	\$ -	\$ -	\$ 1,705	\$ -	\$ 670,174	\$ 42,949,460	\$ 26,509,616	38%	
2042	1	53	\$ -	\$ 3,234,694	\$ 2,366,246	\$ 5,354	\$ 863,094	\$ -	\$ -	\$ 16,439,844	\$ -	\$ -	\$ 1,038	\$ -	\$ 698,715	\$ 41,508,350	\$ 24,368,753	41%	
2043	0	52	\$ -	\$ 3,185,849	\$ 2,293,916	\$ 3,862	\$ 888,071	\$ -	\$ -	\$ 17,139,597	\$ -	\$ -	\$ 751	\$ -	\$ 728,449	\$ 40,046,160	\$ 22,177,363	45%	
2044	0	50	\$ -	\$ 3,131,144	\$ 2,204,639	\$ 2,685	\$ 923,820	\$ -	\$ -	\$ 17,868,797	\$ -	\$ -	\$ 524	\$ -	\$ 759,435	\$ 38,569,816	\$ 19,941,060	48%	
2045	0	48	\$ -	\$ 3,072,411	\$ 2,123,826	\$ 1,750	\$ 946,835	\$ -	\$ -	\$ 18,628,756	\$ -	\$ -	\$ 335	\$ -	\$ 791,729	\$ 37,084,671	\$ 17,663,851	52%	
2046	0	47	\$ -	\$ 3,006,179	\$ 2,012,319	\$ 1,352	\$ 992,508	\$ -	\$ -	\$ 19,420,820	\$ -	\$ -	\$ 259	\$ -	\$ 825,390	\$ 35,601,452	\$ 15,354,983	57%	
2047	0	45	\$ -	\$ 2,939,709	\$ 1,921,567	\$ 869	\$ 1,017,273	\$ -	\$ -	\$ 20,246,469	\$ -	\$ -	\$ 163	\$ -	\$ 860,478	\$ 34,119,876	\$ 13,012,766	62%	
2048	0	43	\$ -	\$ 2,871,166	\$ 1,828,038	\$ 471	\$ 1,042,657	\$ -	\$ -	\$ 21,107,110	\$ -	\$ -	\$ 88	\$ -	\$ 897,054	\$ 32,642,661	\$ 10,638,409	67%	
2049	0	42	\$ -	\$ 2,799,382	\$ 1,704,913	\$ 366	\$ 1,094,103	\$ -	\$ -	\$ 22,004,252	\$ -	\$ -	\$ 68	\$ -	\$ 935,182	\$ 31,175,290	\$ 8,235,788	74%	
2050	0	40	\$ -	\$ 2,727,144	\$ 1,555,653	\$ 285	\$ 1,171,206	\$ -	\$ -	\$ 22,939,502	\$ -	\$ -	\$ 53	\$ -	\$ 974,930	\$ 29,718,763	\$ 5,804,278	80%	
2051	0	39	\$ -	\$ 2,656,684	\$ 1,456,292	\$ -	\$ 1,200,392	\$ -	\$ -	\$ 23,914,485	\$ -	\$ -	\$ -	\$ -	\$ 1,016,366	\$ 28,270,455	\$ 3,339,604	88%	
2052	0	37	\$ -	\$ 2,583,572	\$ 1,353,264	\$ -	\$ 1,230,308	\$ -	\$ -	\$ 24,930,851	\$ -	\$ -	\$ -	\$ -	\$ 1,059,561	\$ 26,835,211	\$ 844,799	97%	
2053	0	36	\$ -	\$ 2,510,566	\$ 1,136	\$ -	\$ 862,564	\$ -	\$ 1,646,866	\$ 25,990,412	\$ -	\$ -	\$ -	\$ -	\$ 1,069,961	\$ 25,413,507	\$ -	100%	
2054	0	34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,413,507	\$ 2,437,519	\$ 1,100	\$ -	\$ -	\$ 1,028,839	\$ 24,005,927	\$ -	100%	
2055	0	33	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,005,927	\$ 2,364,348	\$ 1,094	\$ -	\$ -	\$ 970,555	\$ 22,613,228	\$ -	100%	
2056	0	32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,613,228	\$ 2,290,841	\$ 1,087	\$ -	\$ -	\$ 912,911	\$ 21,236,385	\$ -	100%	
2057	0	31	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,236,385	\$ 2,216,654	\$ 1,079	\$ -	\$ -	\$ 855,955	\$ 19,876,765	\$ -	100%	
2058	0	29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,876,765	\$ 2,141,435	\$ 1,035	\$ -	\$ -	\$ 799,752	\$ 18,536,117	\$ -	100%	
2059	0	28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,536,117	\$ 2,064,944	\$ 1,024	\$ -	\$ -	\$ 744,383	\$ 17,216,580	\$ -	100%	
2060	0	27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,216,580	\$ 1,986,918	\$ 1,012	\$ -	\$ -	\$ 689,943	\$ 15,920,617	\$ -	100%	
2061	0	26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,920,617	\$ 1,907,168	\$ 999	\$ -	\$ -	\$ 636,542	\$ 14,650,990	\$ -	100%	
2062	0	24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,650,990	\$ 1,825,579	\$ 945	\$ -	\$ -	\$ 584,297	\$ 13,410,653	\$ -	100%	
2063	0	23	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,410,653	\$ 1,742,317	\$ 928	\$ -	\$ -	\$ 533,333	\$ 12,202,597	\$ -	100%	

City of Fairmont, West Virginia Firemen's Pension and Relief Fund  
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Projection of Pension Plan's Fiduciary Net Position

Fiscal Year	Projected BP	"Funded" Portion of BP	"Unfunded" Portion of BP	PV of "Funded" Portion of BP	PV of "Unfunded" Portion of BP	PV of BP Using a Single DR
2023	\$ 1,903,773	\$ -	\$ 1,903,773	\$ -	\$ 1,868,061	\$ 1,866,977
2024	\$ 2,099,502	\$ -	\$ 2,099,502	\$ -	\$ 1,983,553	\$ 1,980,101
2025	\$ 2,249,513	\$ -	\$ 2,249,513	\$ -	\$ 2,046,292	\$ 2,040,361
2026	\$ 2,418,829	\$ -	\$ 2,418,829	\$ -	\$ 2,118,537	\$ 2,109,944
2027	\$ 2,574,912	\$ -	\$ 2,574,912	\$ -	\$ 2,171,426	\$ 2,160,109
2028	\$ 2,756,087	\$ -	\$ 2,756,087	\$ -	\$ 2,237,830	\$ 2,223,584
2029	\$ 2,883,392	\$ -	\$ 2,883,392	\$ -	\$ 2,254,185	\$ 2,237,235
2030	\$ 2,993,640	\$ -	\$ 2,993,640	\$ -	\$ 2,253,394	\$ 2,233,855
2031	\$ 3,104,987	\$ -	\$ 3,104,987	\$ -	\$ 2,250,345	\$ 2,228,243
2032	\$ 3,168,975	\$ -	\$ 3,168,975	\$ -	\$ 2,211,362	\$ 2,187,102
2033	\$ 3,192,438	\$ -	\$ 3,192,438	\$ -	\$ 2,144,940	\$ 2,118,947
2034	\$ 3,206,468	\$ -	\$ 3,206,468	\$ -	\$ 2,074,298	\$ 2,046,783
2035	\$ 3,266,424	\$ -	\$ 3,266,424	\$ -	\$ 2,034,551	\$ 2,005,233
2036	\$ 3,294,167	\$ -	\$ 3,294,167	\$ -	\$ 1,975,574	\$ 1,944,846
2037	\$ 3,306,370	\$ -	\$ 3,306,370	\$ -	\$ 1,909,197	\$ 1,877,321
2038	\$ 3,322,326	\$ -	\$ 3,322,326	\$ -	\$ 1,847,112	\$ 1,814,165
2039	\$ 3,314,681	\$ -	\$ 3,314,681	\$ -	\$ 1,774,371	\$ 1,740,699
2040	\$ 3,285,497	\$ -	\$ 3,285,497	\$ -	\$ 1,693,384	\$ 1,659,321
2041	\$ 3,261,084	\$ -	\$ 3,261,084	\$ -	\$ 1,618,334	\$ 1,583,940
2042	\$ 3,233,396	\$ -	\$ 3,233,396	\$ -	\$ 1,544,958	\$ 1,510,369
2043	\$ 3,184,568	\$ -	\$ 3,184,568	\$ -	\$ 1,465,075	\$ 1,430,612
2044	\$ 3,129,881	\$ -	\$ 3,129,881	\$ -	\$ 1,386,401	\$ 1,352,218
2045	\$ 3,071,168	\$ -	\$ 3,071,168	\$ -	\$ 1,309,834	\$ 1,276,056
2046	\$ 3,004,931	\$ -	\$ 3,004,931	\$ -	\$ 1,233,954	\$ 1,200,737
2047	\$ 2,938,484	\$ -	\$ 2,938,484	\$ -	\$ 1,161,822	\$ 1,129,235
2048	\$ 2,869,966	\$ -	\$ 2,869,966	\$ -	\$ 1,092,558	\$ 1,060,682
2049	\$ 2,798,181	\$ -	\$ 2,798,181	\$ -	\$ 1,025,641	\$ 994,561
2050	\$ 2,725,972	\$ -	\$ 2,725,972	\$ -	\$ 962,039	\$ 931,804
2051	\$ 2,655,513	\$ -	\$ 2,655,513	\$ -	\$ 902,342	\$ 872,969
2052	\$ 2,582,433	\$ -	\$ 2,582,433	\$ -	\$ 844,897	\$ 816,445
2053	\$ 2,509,430	\$ -	\$ 2,509,430	\$ -	\$ 790,499	\$ 762,993
2054	\$ 2,436,419	\$ 2,436,419	\$ -	\$ 656,683	\$ -	\$ 712,434
2055	\$ 2,363,254	\$ 2,363,254	\$ -	\$ 610,996	\$ -	\$ 664,585
2056	\$ 2,289,754	\$ 2,289,754	\$ -	\$ 567,859	\$ -	\$ 619,265
2057	\$ 2,215,575	\$ 2,215,575	\$ -	\$ 527,063	\$ -	\$ 576,264
2058	\$ 2,140,400	\$ 2,140,400	\$ -	\$ 488,421	\$ -	\$ 535,398
2059	\$ 2,063,920	\$ 2,063,920	\$ -	\$ 451,769	\$ -	\$ 496,504
2060	\$ 1,985,906	\$ 1,985,906	\$ -	\$ 416,971	\$ -	\$ 459,447
2061	\$ 1,906,169	\$ 1,906,169	\$ -	\$ 383,913	\$ -	\$ 424,117
2062	\$ 1,824,634	\$ 1,824,634	\$ -	\$ 352,510	\$ -	\$ 390,434
2063	\$ 1,741,389	\$ 1,741,389	\$ -	\$ 322,712	\$ -	\$ 358,356