

City of Weirton West Virginia Firemen's Pension and Relief Fund

GASB 68 Actuarial Information for the Measurement Period Ending June 30, 2021

Bolton

Submitted by:

James Ritchie, ASA, EA, FCA, MAAA President of Bolton Retirement 443.573.3924 jritchie@boltonusa.com Jordan McClane, FSA, EA, FCA, MAAA Actuary 667.218.6935 jmcclane@boltonusa.com



December 14, 2021

Ms. Diana Smoljanovich Finance Director City of Weirton 200 Municipal Plaza Weirton, WV 26062 Firefighter Phillip Martin Pension Board Secretary City of Weirton Firemen's Pension and Relief Fund

Re: City of Weirton Firemen's Pension and Relief Fund GASB 68 Actuarial Information for the Measurement Period Ending June 30, 2021

Dear Diana,

The following report contains the GASB 67 and GASB 68 actuarial information for the City of Weirton Firemen's Pension and Relief Fund to be included in the City's financial statements for FY 2021. The GASB 67 information has been provided as of June 30, 2021 (the GASB 68 measurement date for FY 2021).

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, 2021 (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, 2020 actuarial valuation rolled forward to June 30, 2021. The methods, assumptions, and participant data used are detailed in the July 1, 2020 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 for the fiscal year ending June 30, 2021 is contained in the July 1, 2019 actuarial valuation report. The discount rate assumption may have changed if a blended rate was used for GASB purposes.

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.

The long-term nominal expected rate of return on pension plan investments was determined using a methodology approved by the Municipal Pensions Oversight Board (MPOB) and is based on the funded status (current and projected), equity exposure, and funding policy.

These calculations and comparisons with assets are applicable for the valuation date only. The future is uncertain, and the plan may become better funded or more poorly funded in the future. This valuation does not provide any guarantee that the plan will be able to provide the promised benefits in the future.

Ms. Diana Smoljanovich December 14, 2021 Page 2

Methodology, Reliance and Certification (cont.)

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 four 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 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.

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.



Ms. Diana Smoljanovich December 14, 2021 Page 3

Methodology, Reliance and Certification (cont.)

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. For purposes of estimating the liabilities (future and accrued) in this report, an assumption based on the expected long-term rate of return on plan investments is used. If the plan is expected to become insolvent, the return assumption is blended with a long-term municipal bond rate. Using a lower discount rate assumption, such as a rate solely based on long-term bond yields, could substantially increase the estimated present value of future and accrued liabilities.

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, 2020 actuarial valuation report contains information that is integral to the results contained herein and a copy may be provided upon request.

Sincerely,

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James Ritchie, ASA, EA, FCA, MAAA

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Jordan McClane, FSA, EA, FCA, MAAA





Net Pension Liability of the Employer

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

Total pension liability	\$ 16,791,268
Plan fiduciary net position	(15,440,432)
Employer's net pension liability	\$ 1,350,836
Plan fiduciary net position as a percentage	91.96%

Plan fiduciary net position as a percentage of the total pension liability

Actuarial assumptions. The total pension liability was determined by an actuarial valuation as of July 1, 2020 rolled forward to June 30, 2021 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)	6.50%
Single discount rate (EOY)	6.50%
Investment rate of return (BOY)	6.50%, net of pension plan investment expense, including inflation
Investment rate of return (EOY)	6.50%, net of pension plan investment expense, including inflation
Long-term municpal bond rate (BOY)	2.45%
Long-term municpal bond rate (EOY)	1.92%
Mortality	SOA PubS-2010(B) with generational projection using Scale MP-2019
Year Fund is projected to be fully funded	2042
Year assets are expected to be depleted	N/A
for a closed plan	

The above is a summary of key actuarial assumptions. Full descriptions of the actuarial assumptions are available in the July 1, 2020 actuarial valuation report.

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

				Current		
	1%	5.50%	Dis	count Rate 6.50%	1%	% Increase 7.50%
Employer's net pension liability	\$	3,475,621	\$	1,350,836	\$	(406,411)



Changes in the Net Pension Liability

		Increase (Decrease)
	Total Pension Liability (a)	Plan Fiduciary Net Position (b)	Net Pension Liability (a) - (b)
Balances at 6/30/20	\$ 16,274,557	\$ 12,483,870	\$ 3,790,687
Changes for the year:			
Service cost	444,298		444,298
Interest	1,031,478		1,031,478
Changes of benefit terms	-		-
Differences between expected and actual experience	704,086		704,086
Changes of assumptions	(851,821)		(851,821)
Contributions - employer (including Premium Tax Allocation)		645,790	(645,790)
Contributions - member		126,460	(126,460)
Net investment income*		2,997,569	(2,997,569)
Benefit payments, including refunds of member contributions	(811,330)	(811,330)	-
Administrative expense		(1,927)	1,927
Other		-	-
Net Changes	516,711	2,956,562	(2,439,851)
Balances at 6/30/21	\$ 16,791,268	\$ 15,440,432	\$ 1,350,836
Return on Investments		24.1%	

*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 \$61,037 has been included as investment income for the measurement period ending June 30, 2021.



Components of Employer's Pension Expense for the Fiscal Year Ended June 30, 2021

Note	Description	Amount
Α	Service cost	\$ 444,298
В	Interest on the total pension liability	1,031,478
Α	Changes of benefit terms	-
С	Differences between expected and actual experience	103,024
С	Changes of assumptions	(339,418)
А	Employee contributions	(126,460)
D	Projected earnings on pension plan investments	(810,119)
С	Differences between expected and actual earnings on	(569,777)
	plan investments	
Α	Pension plan administrative expense	1,927
А	Other changes in fiduciary net position	-
	Total Pension Expense	\$ (265,047)

Notes:

- A Provided in the Changes in Net Pension Liability exhibit.
- B Based on the following calculation:

	Amount Perio (a)		Interest Rate (c)	Projected Earnings (a) x (b) x (c)
Beginning total pension liability	\$ 16,274	1,557 100%	6.50%	\$ 1,057,846
Service cost (End of Year)	444	l,298 0%	6.50%	-
Benefit payments, including refunds of employee contributions	(812	1,330) 50%	6.50%	(26,368)
Total interest on the total pension liability				\$ 1,031,478

C Provided in the Schedules of Deferrals.

D Based on the following calculation:

	1	Amount for	Portion of	Projected	P	rojected
		Period	Period	Rate of Return	E	arnings
		(a)	(b)	(c)	(a)	x (b) x (c)
Beginning plan fiduciary net position	\$	12,483,870	100%	6.50%	\$	811,452
Employer contributions		645,790	50%	6.50%		20,988
Employee contributions		126,460	50%	6.50%		4,110
Benefit payments, including refunds of employee contributions		(811,330)	50%	6.50%		(26,368)
Administrative expense and other		(1,927)	50%	6.50%		(63)
Total Projected Earnings					\$	810,119



Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions

At June 30, 2021, the Employer reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	ed Outflows Resources	erred Inflows Resources
Differences between expected and actual experience	\$ 850,996	\$ 123,351
Changes of assumptions	-	638,866
Net difference between projected and actual earnings	-	
on pension plan investments		1,806,765
Total	\$ 850,996	\$ 2,568,982

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 June 30:	
2022	\$ (413,365)
2023	(391,273)
2024	(475,858)
2025	(437,490)
2026	-
Thereafter	-

B

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

Total pension liability	2021		2020	20	019		2018	2017	2016	2015	2014	2013		2012
Service cost	\$ 444,29	3 \$	418,756	\$	454,924	\$	371,654	\$ 416,516	\$ 305,455	\$ 262,275	\$ 275,216	\$	- \$	-
Interest	1,031,47	3	1,005,440		912,022		888,071	836,975	856,444	797,673	780,380		-	-
Changes of benefit terms		-	-		-		-	-	-	-	-		-	-
Differences between expected and actual experience	704,08	6	(246,457)		807,333		(818)	(910,435)	390,283	(58,032)	-		-	-
Changes of assumptions	(851,82	I)	-		-		-	(852,836)	2,057,993	-	-		-	-
Benefit payments, including refunds of member contributions	(811,33))	(743,005)	((731,120)		(679,743)	(648,973)	(651,642)	(612,845)	(600,032)		-	-
Net change in total pension liability	516,71		434,734	1,	,443,159		579,164	(1,158,753)	2,958,533	389,071	455,564		-	-
Total pension liability - beginning	16,274,55	,	15,839,823	14,	396,664	1:	3,817,500	14,976,253	12,017,720	11,628,649	11,173,085		-	-
Total pension liability - ending (a)	\$ 16,791,26	3 \$	16,274,557	\$ 15,	,839,823	\$ 14	4,396,664	\$ 13,817,500	\$ 14,976,253	\$ 12,017,720	\$ 11,628,649	\$	- \$	-

Plan fiduciary net position	2021		2020	2019		2018	2017	2016		2015		2014	2013		2012
Contributions - employer (including Premium Tax Allocation)	\$ 645,790	\$	595,584	\$ 627,874	\$	643,214	\$ 681,189	\$ 455,266	\$	431,214	\$	563,823	\$ -	\$	
Contributions - member	126,460		105,687	95,312		97,251	85,170	82,461		84,967		80,120	-		
Net investment income	2,997,569		769,938	789,442		771,129	1,012,435	(59,608)		345,264		1,162,109	-		
Benefit payments, including refunds of member contributions	(811,330)		(743,005)	(731,120)		(679,743)	(648,973)	(651,642)		(612,845)		(600,032)	-		
Administrative expense	(1,927)		(402)	-		(283)	(868)	(3,766)		(2,682)		(8,950)	-		
Other	 -	_	-	(300)	_	-	-	-	_	264,112	_	-	-	_	
Net change in plan fiduciary net position	\$ 2,956,562	\$	727,802	\$ 781,208	\$	831,568	\$ 1,128,953	\$ (177,289)	\$	510,030	\$	1,197,070	\$ -	\$	
Plan fiduciary net position - beginning	12,483,870		11,756,068	10,974,860		10,143,292	9,014,339	9,183,164		8,673,134		7,476,064	-		
Plan fiduciary net position - ending (b)	\$ 15,440,432	\$	12,483,870	\$ 11,756,068	\$	10,974,860	\$ 10,143,292	\$ 9,005,875	\$	9,183,164	\$	8,673,134	\$ -	\$	
Employer's net pension liability - ending (a)-(b)	\$ 1,350,836	\$	3,790,687	\$ 4,083,755	\$	3,421,804	\$ 3,674,208	\$ 5,970,378	\$	2,834,556	\$	2,955,515	\$ 	\$	
Plan fiduciary net position as a percentage of the total pension liability	91.96%		76.71%	74.22%		76.23%	73.41%	60.13%		76.41%		74.58%	N/A		N
Covered payroll	\$ 1,254,930	\$	1,178,596	\$ 1,264,119	\$	1,039,842	\$ 1,026,836	\$ 1,115,043	\$	958,555	\$	983,476	N/A		N/
Employer's net pension liability as a percentage of covered payroll	107.64%		321.63%	323.05%		329.07%	357.82%	535.44%		295.71%		300.52%	N/A		N
Expected average remaining service years of all participants	4.00		4.00	5.00		4.69	4.99	5.11		4.39		N/A	N/A		N/

Notes to Schedule:

Benefit changes: There were no changes for FY2021.

Changes of assumptions: Changes were made to salary scale assumptions, pay spiking assumptions, inflation, cost-of-living increases, mortality rates, retirement rates, termination rates, disability rates, marital status, and non-spouse beneficiary loads.

*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 \$61,037 has been included as investment income for the measurement period ending June 30, 2021.

*Market value of assets as of July 1, 2016, includes \$8,464, excluded from the market value of assets as of June 30, 2016, used for the actuarial valuation report for the fiscal year end June 30, 2016.

Schedule of Employer Contributions Last 10 Fiscal Years

	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Actuarially determined contribution	\$ 599,764	\$ 650,523	\$ 559,116	\$ 503,189	\$ 530,081	\$ 613,070	\$ 354,731	\$ 396,427	\$ 518,823	\$ -
Contributions in relation to the actuarially determined contribution										
Employer provided	380,396	395,103	400,000	425,000	467,280	247,273	231,096	215,978	201,850	-
State provided	265,394	200,481	227,874	218,214	213,909	207,993	200,118	347,845	206,660	-
Contribution deficiency (excess)	\$ (46,026)	\$ 54,939	\$ (68,758)	\$ (140,025)	\$ (151,108)	\$ 157,804	\$ (76,483)	\$ (167,396)	\$ 110,313	\$ -
Covered payroll	\$ 1,254,930	\$ 1,178,596	\$ 1,264,119	\$ 1,039,842	\$ 1,026,836	\$ 1,115,043	\$ 958,555	\$ 983,476	\$ 918,877	N/A
Contributions as a percentage of covered employee payroll	51.46%	50.53%	49.67%	61.86%	66.34%	40.83%	44.99%	57.33%	44.46%	N/A

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. Actuarial valuations are performed every year.

Methods and assumptions used to determin	e contribution rates:
Actuarial cost method	Entry Age Normal
Amortization method	Level Dollar
Remaining amortization period	30.5 years
Asset valuation method	Market Value
Inflation	2.75 percent
Salary increases	Rates vary by years of service
Investment rate of return	6.50%, net of pension plan investment expense, including inflation
Retirement age	Rates vary by age
Mortality	RP-2014 Blue Collar Mortality Table with generational projection using Scale MP-2014

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.

Year	Differences between Projected and Actual Earnings on Pension Plan Investments	Recognition Period (Years)	2017	2018	2019	2020		2021	2022		2023	202	24	2025
2017	\$ (468,079)	5	\$ (93,616)	(93,616)	(93,616)	(93,6	16)	(93,615)						
2018	(109,851)	5		\$ (21,970)	(21,970)	(21,9	70)	(21,970)	(21,97	1)				
2019	(76,343)	5			\$ (15,269)	(15,2	59)	(15,269)	(15,26	9)	(15,267)			
2020	(7,164)	5				\$ (1,4	33)	(1,433)	(1,43	3)	(1,433)		(1,432)	
2021	(2,187,450)	5					\$	6 (437,490)	(437,49	0)	(437,490)	(4	37,490)	(437,49
Net increa	se (decrease) in pensior	expense					\$	(569,777)	\$ (476,16	3) \$	(454,190)	\$ (4	38,922)	\$ (437,49

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

								alances at ne 30, 2021		
Year	ment Earnings han Projected (a)	Investment Earnings Greater Than Projected (b)			Amounts Recognized in Pension Expense Through June 30, 2021 (c)		Deferred Outflows of Resources (a) - (c)		Deferred Inflows of Resources (b) - (c)	
2017	\$ -	\$	468,079	\$	468,079) \$	-	\$	-	
2018	-		109,851		87,880)	-		21,971	
2019	-		76,343		45,807	,	-		30,536	
2020	-		7,164		2,866	6	-		4,298	
2021	-		2,187,450		437,490)	-		1,749,960	
						\$	-	\$	1,806,765	

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	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Thereafter
Prior																			
2012	-	-																	
2013		-																	
2014	-	-																	
2015	(58,032)	4.388546					\$ (13,224)	(13,224)	(13,224)	(13,224)	(5,136)								
2016	390,283	5.106481						\$ 76,429	76,429	76,429	76,429	76,429	8,138						
2017	(910,435)	4.991277							\$ (182,405)	(182,405)	(182,405)	(182,405)	(180,815)						
2018	(818)	4.690410								\$ (174)	(174)	(174)	(174)	(122)					
2019	807,333	5.000000									\$ 161,467	161,467	161,467	161,467	161,465				
2020	(246,457)	4.000000										\$ (61,614)	(61,614)	(61,614)	(61,615)				
2021	704,086	4.000000											\$ 176,022	176,022	176,022	176,020			
Net increase	se (decrease) in per	nsion expense											\$ 103,024	\$ 275,753	\$ 275,872	\$ 176,020	\$ -	\$.	\$ -

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

						ices at 0, 2021		
Year	Experience Losses (a)	Experience Gains (b)	Pension	ts Recognized in Expense Through ne 30, 2021 (c)	Deferred Outflows of Resources (a) - (c)	Deferred Inflows of Resources (b) - (c)		
Prior	\$ -	\$	- \$		s -	\$-		
2012	-		-	-	-	-		
2013	-		-		-	-		
2014	-		-	-	-	-		
2015	-	58,	032	58,032	-	-		
2016	390,283		-	390,283	-	-		
2017	-	910,	435	910,435		-		
2018	-		818	696	-	122		
2019	807,333			484,401	322,932			
2020	-	246,	457	123,228	-	123,229		
2021	704,086		-	176,022	528,064	-		
					\$ 850,996	\$ 123,351		

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.

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		Recognition	Increase (Decrease) in Pension Expense Arising from the Effects of Changes of Assumptions																
Year	Changes of Assumptions	Period (Years)	Prior	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Thereafter
Prior	\$-	-																	
2012	-	-																	
2013	-	-																	
2014	-	-																	
2015	-	4.388546																	
2016	2,057,993	5.106481						\$ 403,016	403,016	403,016	403,016	403,016	42,913						
2017	(852,836)	4.991277							\$ (170,865)	(170,865)	(170,865)	(170,865)	(169,376)						
2018	-	4.690410																	
2019		5.000000																	
2020	-	4.000000																	
2021	(851,821)	4.000000											\$ (212,955)	(212,955)	(212,955)	(212,956)			
Net increase	e (decrease) in per	nsion expense											\$ (339,418)	\$ (212,955)	\$ (212,955)	\$ (212,956)	\$.	\$	- \$

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, 2021 (C)	Balar June 3 Deferred Outflows of Resources (a) - (c)	ces at 0, 2021 Deferred Inflows of Resources (b) - (c)		
Prior	\$-	\$ -	\$ -	\$-	\$-		
2012	-	-	-	-	-		
2013	-	-	-	-	-		
2014	-	-	-	-	-		
2015	-	-	-		-		
2016	2,057,993	-	2,057,993	-	-		
2017	-	852,836	852,836	-	-		
2018	-	-	-	-	-		
2019	-	-	-	-	-		
2020	-	-	-	-	-		
2021	-	851,821	212,955	-	638,866		
				\$-	\$ 638,866		