

GASB 68 Actuarial Information for the Measurement Period Ending June 30, 2022



Submitted by:

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November 28, 2022

Ms. Amy Roberts Finance Director City of Vienna 609 29th Street Vienna, WV 26105 Lieutenant Richard Berdine
Pension Board Secretary
City of Vienna
Policemen's Pension and Relief Fund

Re: City of Vienna Policemen's Pension and Relief Fund GASB 68 Actuarial Information for the Measurement Period Ending June 30, 2022

Dear Amy,

The following report contains the GASB 67 and GASB 68 actuarial information for the City of Vienna Policemen's Pension and Relief Fund to be included in the City's financial statements for FY 2022. The GASB 67 information has been provided as of June 30, 2022 (the GASB 68 measurement date for FY 2022).

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, 2022 (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, 2021 actuarial valuation rolled forward to June 30, 2022. The methods, assumptions, and participant data used are detailed in the July 1, 2021 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, 2022 is contained in the July 1, 2020 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.

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 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.

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. Amy Roberts November 28, 2022 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, 2021 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

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Jordan McClane, FSA, EA, FCA, MAAA

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Actuarial Information to Include in the Financial Statements for the June 30, 2022 Measurement Date



Net Pension Liability of the Employer

for a closed plan

The components of the net pension liability of the Employer at June 30, 2022, were as follows:

Total pension liability	\$ 13,431,329
Plan fiduciary net position	 (10,725,425)
Employer's net pension liability	\$ 2,705,904
Plan fiduciary net position as a percentage of the total pension liability	79.85%

Actuarial assumptions. The total pension liability was determined by an actuarial valuation as of July 1, 2021 rolled forward to June 30, 2022 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) 6.25% Single discount rate (EOY) 6.25% Investment rate of return (BOY) 6.25%, net of pension plan investment expense, including inflation 6.25%, net of pension plan investment expense, including inflation Investment rate of return (EOY) Long-term municpal bond rate (BOY) 1.92% Long-term municpal bond rate (EOY) 3.69% Mortality SOA PubS-2010(B) with generational projection using Scale MP-2019 Year Fund is projected to be fully funded 2025 Year assets are expected to be depleted N/A

The above is a summary of key actuarial assumptions. Full descriptions of the actuarial assumptions are available in the July 1, 2021 actuarial valuation report.

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

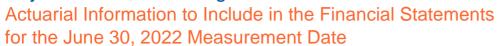
			Current		
	Decrease 5.25%	Dis	scount Rate 6.25%	1'	% Increase 7.25%
Employer's net pension liability	\$ 4,673,015	\$	2,705,904	\$	1,119,047

City of Vienna, West Virginia Policemen's Pension and Relief Fund Actuarial Information to Include in the Financial Statements for the June 30, 2022 Measurement Date



Changes in the Net Pension Liability

	li li	ncrease (Decrease)
	Total Pension Liability (a)	Plan Fiduciary Net Position (b)	Net Pension Liability (a) - (b)
Balances at 6/30/21	\$ 13,033,009	\$ 12,116,584	\$ 916,425
Changes for the year:			
Service cost	289,409		289,409
Interest	798,065		798,065
Changes of benefit terms	-		-
Differences between expected and actual experience	(161,232)		(161,232)
Changes of assumptions	-		-
Contributions - employer (including Premium Tax Allocation)		563,927	(563,927)
Contributions - member		111,891	(111,891)
Net investment income		(1,536,455)	1,536,455
Benefit payments, including refunds of member contributions	(527,922)	(527,922)	-
Administrative expense		(2,600)	2,600
Other			
Net Changes	398,320	(1,391,159)	1,789,479
Balances at 6/30/22	\$ 13,431,329	\$ 10,725,425	\$ 2,705,904
Return on Investments		(12.6%)	





Components of Employer's Pension Expense for the Fiscal Year Ended June 30, 2022

Note	Description	1	Amount
Α	Service cost	\$	289,409
В	Interest on the total pension liability		798,065
Α	Changes of benefit terms		-
С	Differences between expected and actual experience		117,729
С	Changes of assumptions		(38,204)
Α	Employee contributions		(111,891)
D	Projected earnings on pension plan investments		(761,828)
С	Differences between expected and actual earnings on		115,897
	plan investments		
Α	Pension plan administrative expense		2,600
Α	Other changes in fiduciary net position		-
	Total Pension Expense	\$	411,777

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)	Е	rojected arnings x (b) x (c)
Beginning total pension liability	\$	13,033,009	100%	6.25%	\$	814,563
Service cost (End of Year)		289,409	0%	6.25%		-
Benefit payments, including refunds of employee contributions		(527,922)	50%	6.25%		(16,498)
Total interest on the total pension liability					\$	798,065

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	\$ 12,116,584	100%	6.25%	\$ 757,287
Employer contributions	563,927	50%	6.25%	17,623
Employee contributions	111,891	50%	6.25%	3,497
Benefit payments, including refunds of employee contributions	(527,922)	50%	6.25%	(16,498)
Administrative expense and other	(2,600)	50%	6.25%	(81)
Total Projected Earnings				\$ 761,828

Actuarial Information to Include in the Financial Statements for the June 30, 2022 Measurement Date



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

At June 30, 2022, the Employer reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	red Outflows Resources	erred Inflows Resources
Differences between expected and actual experience	\$ 456,166	\$ 258,410
Changes of assumptions	-	76,407
Net difference between projected and actual earnings	910,646	
on pension plan investments		-
Total	\$ 1,366,812	\$ 334,817

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:	
2023	\$ 240,405
2024	245,113
2025	86,822
2026	459,655
2027	-
Thereafter	-

Actuarial Information to Include in the Financial Statements for the June 30, 2022 Measurement Date



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

Total pension liability		2022		2021		2020		2019		2018		2017		2016		2015		2014		2013
Service cost	\$	289,409	\$	339,729	\$	325,137	\$	291,168	\$	307,293	\$	304,953	\$	212,125	\$	192,862	\$	182,888	\$	
Interest		798,065		775,935		706,623		658,978		636,910		641,301		594,249		580,419		554,368		
Changes of benefit terms		-		-		-		-		-		-		-		-		-		
Differences between expected and actual experience		(161,232)		389,273		526,147		255,353		(592,401)		(27,491)		(180,378)		135,334		-		
Changes of assumptions		-		(152,815)		-		-		-		-		952,517		-		-		
Benefit payments, including refunds of member contributions		(527,922)		(513,144)		(469,982)		(475,043)		(427,052)		(418,080)		(383,756)		(426,190)		(401,740)		
Net change in total pension liability		398,320		838,978		1,087,925		730,456		(75,250)		500,683		1,194,757		482,425		335,516		
Total pension liability - beginning	1	3,033,009		12,194,031		11,106,106		10,375,650		10,450,900		9,950,217		8,755,460		8,273,035		7,937,519		
Total pension liability - ending (a)	\$ 1	3,431,329	\$	13,033,009	\$	12,194,031	\$	11,106,106	\$	10,375,650	\$	10,450,900	\$	9,950,217	\$	8,755,460	\$	8,273,035	\$	
Plan fiduciary net position		2022		2021		2020		2019		2018		2017		2016		2015		2014		2013
Contributions - employer (including Premium Tax Allocation)	\$	563,927	\$	551,964	\$	494,392	\$	504,328	\$	578,961	\$	544,381	\$	335,496	\$	406,557	\$	766,617	\$	
Contributions - member	·	111,891	·	93,366	•	90,725	·	81,025	·	83,307	•	81,389	•	83,326	·	64,481	•	62,001	•	
Net investment income	((1,536,455)		2,296,650		400,712		605,527		705,017		759,570		67,733		202,311		726,330		
Benefit payments, including refunds of member contributions	,	(527,922)		(513,144)		(469,982)		(475,043)		(427,052)		(418,080)		(383,756)		(426,190)		(401,740)		
Administrative expense		(2,600)		(600)		(2,600)		(43,352)		(40,718)		(38,257)		(35,726)		(36,659)		(32,537)		
Other		-		-		-		(800)		25		-		-		-		-		
Net change in plan fiduciary net position	\$ ((1,391,159)	\$	2,428,236	\$	513,247	\$	671,685	\$	899,540	\$	929,003	\$	67,073	\$	210,500	\$	1,120,671	\$	
Plan fiduciary net position - beginning	1	2,116,584		9,688,348		9,175,101		8,503,416		7,603,876		6,674,873		6,594,688		6,384,188		5,263,517		
Plan fiduciary net position - ending (b)	\$ 1	0,725,425	\$	12,116,584	\$	9,688,348	\$	9,175,101	\$	8,503,416	\$	7,603,876	\$	6,661,761	\$	6,594,688	\$	6,384,188	\$	
Employer's net pension liability - ending (a)-(b)	\$	2,705,904	\$	916,425	\$	2,505,683	\$	1,931,005	\$	1,872,234	\$	2,847,024	\$	3,288,456	\$	2,160,772	\$	1,888,847	\$	
Plan fiduciary net position as a percentage of the																				
otal pension liability		79.85%		92.97%		79.45%		82.61%		81.96%		72.76%		66.95%		75.32%		77.17%		N
Covered payroll	\$	1,071,208	\$	1,073,670	\$	1,031,075	\$	902,075	\$	987,450	\$	997,461	\$	868,395	\$	804,754	\$	746,830		N
Employer's net pension liability as a percentage of																				
covered payroll		252.60%		85.35%		243.02%		214.06%		189.60%		285.43%		378.68%		268.50%		252.92%		N
		4.00																		N/

Notes to Schedule:

Benefit changes: There were no changes for FY2022.

Changes of assumptions: There were no changes for FY2022.

Actuarial Information to Include in the Financial Statements for the June 30, 2022 Measurement Date



Schedule of Employer Contributions

Last 10 Fiscal Years

	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Actuarially determined contribution	\$ 546,452	\$ 527,348	\$ 456,794	\$ 477,142	\$ 568,851	\$ 493,872	\$ 335,496	\$ 389,340	\$ 483,724	\$ 424,513
Contributions in relation to the actuarially determined contribution										
Employer provided	366,070	350,277	304,043	320,764	391,473	367,598	179,764	254,407	622,718	291,909
State provided	197,857	201,687	190,349	183,564	187,488	176,783	155,732	152,150	143,899	354,629
Contribution deficiency (excess)	\$ (17,475)	\$ (24,616)	\$ (37,598)	\$ (27,186)	\$ (10,110)	\$ (50,509)	\$ -	\$ (17,217)	\$ (282,893)	\$ (222,025)
Covered payroll	\$ 1,071,208	\$ 1,073,670	\$ 1,031,075	\$ 902,075	\$ 987,450	\$ 997,461	\$ 868,395	\$ 804,754	\$ 746,830	\$ 790,978
Contributions as a percentage of covered employee payroll	52.64%	51.41%	47.95%	55.91%	58.63%	54.58%	38.63%	50.52%	102.65%	81.74%

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 7/1/2020 actuarial valuation to calculate the FY2022 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 10 to 15 years
Asset valuation method Market Value
Inflation 2.50 percent

Salary increases Rates vary by years of service

Investment rate of return 6.25%, 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

Actuarial Information to Include in the Financial Statements for the June 30, 2022 Measurement Date



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 Projecte and Actual Earnin on Pension Plan ear Investments		Recognition Period (Years)	Increase	e (Dec	crease) in Per 2019	nsion	Expense Aris	sing fr	om the Recog	gnitio	n of Differenc	es be	tween Project	ted aı	nd Actual Ear 2024	nings	on Plan Inves	stmen	ts 2026
2018	\$	(204,853)	5	\$ (40,971)		(40,971)		(40,971)		(40,971)		(40,969)								
2019		(50,655)	5		\$	(10,131)		(10,131)		(10,131)		(10,131)		(10,131)						
2020		199,328	5				\$	39,866		39,866		39,866		39,866		39,864				
2021		(1,662,631)	5						\$	(332,526)		(332,526)		(332,526)		(332,526)		(332,527)		
2022		2,298,283	5								\$	459,657		459,657		459,657		459,657		459,655
Net increa	ase (de	ecrease) in pension	expense								\$	115,897	\$	156,866	\$	166,995	\$	127,130	\$	459,655

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

						ces at 0, 2022						
Year	tment Earnings than Projected (a)	nvestment Earnings reater Than Projected (b)	Amounts Recognized in Pension Expense Through June 30, 2022 (c)	C	Deferred Outflows of Resources (a) - (c)	Deferred Inflows of Resources (b) - (c)						
2018	\$ -	\$ 204,853	\$ 204,853	\$	-	\$	-					
2019	-	50,655	40,524		-		10,131					
2020	199,328	-	119,598		79,730		-					
2021	-	1,662,631	665,052		-		997,579					
2022	2,298,283	-	459,657		1,838,626		-					
				\$	1,918,356	\$	1,007,710					

City of Vienna, West Virginia Policemen's Pension and Relief Fund Actuarial Information to Include in the Financial Statements

for the June 30, 2022 Measurement Date



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	2013	2014	2015	2016		2017	2018	2019		2020	2021		2022	2)23	2024		2025	2026		2027	Thereafter
Prior	-	-																			-		-	-	-
2013	-	-																							
2014	-	-																							
2015	135,334	5.548420				\$ 24,391	24,39	1	24,391	24,391	24,391		13,379												
2016	(180,378)	5.858142					\$ (30,79	1)	(30,791)	(30,791)	(30,791)		(30,791)	(26,423))										
2017	(27,491)	6.107250						\$	(4,501)	(4,501)	(4,501))	(4,501)	(4,501))	(4,501)		(485)							
2018	(592,401)	6.504195								\$ (91,080)	(91,080)		(91,080)	(91,080)	(91,080)		(91,080)	(45,921))					
2019	255,353	5.000000								Ç	51,071		51,071	51,071		51,071		51,069							
2020	526,147	5.000000										\$	105,229	105,229		105,229		105,229	105,231						
2021	389,273	4.000000												\$ 97,318		97,318		97,318	97,319						
2022	(161,232)	4.000000				_						_			\$	(40,308)		(40,308)	(40,308))	(40,308)				
Net increas	e (decrease) in per	nsion expense													\$	117,729	\$	121,743	\$ 116,321	\$	(40,308)	\$	- \$	-	\$ -

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, 2022 (c)		nces at 30, 2022 Deferred Inflows of Resources (b) - (c)
Prior	\$ -	\$	- \$ -	\$ -	\$ -
2013	-		-	-	-
2014	-			-	-
2015	135,334		- 135,334	-	-
2016	-	180,378	180,378	-	-
2017	-	27,49	1 27,006	-	485
2018	-	592,40	1 455,400	-	137,001
2019	255,353		- 204,284	51,069	-
2020	526,147		- 315,687	210,460	-
2021	389,273		- 194,636	194,637	-
2022	-	161,23	2 40,308	-	120,924
				\$ 456,166	\$ 258,410

City of Vienna, West Virginia Policemen's Pension and Relief Fund Actuarial Information to Include in the Financial Statements

for the June 30, 2022 Measurement Date



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.

		Recognition	Increase (Decrease) in Pension Expense Arising from the Effects of Changes of Assumptions																
Year	Changes of Assumptions	Period (Years)	Prior	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Thereafter
Prior	\$ -	-																	
2013	-	-																	
2014	-	-																	
2015	-	5.548420																	
2016	952,517	5.858142					\$ 162,597	162,597	162,597	162,597	162,597	139,532							
2017	-	6.107250																	
2018	-	6.504195																	
2019	-	5.000000																	
2020	-	5.000000																	
2021	(152,815)	4.000000										\$ (38,204)	(38,204)	(38,204)	(38,203)				
2022	-	4.000000																	
Net increas	e (decrease) in pe	nsion expense											\$ (38,204) \$	(38,204)	(38,203)	\$ -	\$ -	\$ -	\$

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, 2022 (c)	Deferred Outflows of Resources (a) - (c)	Deferred Inflows of Resources (b) - (c)		
Prior	\$ -	\$ -	\$ -	\$ -	\$ -		
2013	-	-	-	-	-		
2014	-	-	-	-	-		
2015	-	-	-	-	-		
2016	952,517	-	952,517	-	-		
2017	-	-	-	-	-		
2018	-	-	-	-	-		
2019	-	-	-	-	-		
2020	-	-	-	-	-		
2021	-	152,815	76,408	-	76,407		
2022	-	-	-	-	-		
				\$ -	\$ 76,407		