

City of Clarksburg West Virginia Policemen's Pension and Relief Fund

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

Bolton

Submitted by:

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November 12, 2021

Mrs. Kimberly Karakiozis Finance Director City of Clarksburg 222 W. Main Street Clarksburg, WV 26301 Lieutenant Richard White Pension Board Secretary City of Clarksburg Policemen's Pension and Relief Fund

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

Dear Kimberly,

The following report contains the GASB 67 and GASB 68 actuarial information for the City of Clarksburg Policemen'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 (ADC) 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 are based on the valuation discount rate of 6.00%. The plan's expected gross rate of investment return of 6.00% has been blended with the 1.92% 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, 2021. The development of the blended discount rate is included within this report. Since the plan assets are estimated to be sufficient to cover benefit payments throughout the projection period, the liability discount rate used for this June 30, 2021 measurement date is equal to the plan's expected rate of investment return.

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.

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.

Mrs. Kimberly Karakiozis November 12, 2021 Page 2

Methodology, Reliance and Certification (cont.)

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.

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.

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.



Mrs. Kimberly Karakiozis November 12, 2021 Page 3

Methodology, Reliance and Certification (cont.)

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 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



City of Clarksburg, West Virginia Policemen's Pension and Relief Fund

Actuarial Information to Include in the Financial Statements for the June 30, 2021 Measurement Date



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	\$ 26,487,262
Plan fiduciary net position	(15,490,483)
Employer's net pension liability	\$ 10,996,779
Plan fiduciary net position as a percentage of the total pension liability	58.48%

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)	5.50%
Single discount rate (EOY)	6.00%
Investment rate of return (BOY)	5.50%, net of pension plan investment expense, including inflation
Investment rate of return (EOY)	6.00%, 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	2032
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% Decrease 5.00%	Discount Rate 6.00%	1	1% Increase 7.00%		
Employer's net pension liability	\$ 14,668,954	\$ 10,996,779	\$	8,024,175		

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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	\$ 29,678,990	\$ 11,329,558	\$ 18,349,432		
Changes for the year:					
Service cost	885,593		885,593		
Interest	1,589,949		1,589,949		
Changes of benefit terms	-		-		
Differences between expected and actual experience	(210,847)		(210,847)		
Changes of assumptions	(3,914,799)		(3,914,799)		
Contributions - employer (including Premium Tax Allocation)		2,352,621	(2,352,621)		
Contributions - member		218,223	(218,223)		
Net investment income		3,141,843	(3,141,843)		
Benefit payments, including refunds of member contributions	(1,541,624)	(1,541,624)	-		
Administrative expense		(10,138)	10,138		
Other		-	-		
Net Changes	(3,191,728)	4,160,925	(7,352,653)		
Balances at 6/30/21	\$ 26,487,262	\$ 15,490,483	\$ 10,996,779		

Return on Investments

26.5%



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

Note	Description	Amount
А	Service cost	\$ 885,593
В	Interest on the total pension liability	1,589,949
А	Changes of benefit terms	-
С	Differences between expected and actual experience	(372,360)
С	Changes of assumptions	(1,217,245)
А	Employee contributions	(218,223)
D	Projected earnings on pension plan investments	(651,150)
С	Differences between expected and actual earnings on	(671,505)
	plan investments	
А	Pension plan administrative expense	10,138
А	Other changes in fiduciary net position	-
	Total Pension Expense	\$ (644,803)

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	\$ 29,678,990	100%	5.50%	\$ 1,632,344
Service cost (End of Year)	885,593	0%	5.50%	-
Benefit payments, including refunds of employee contributions	(1,541,624)	50%	5.50%	(42,395)
Total interest on the total pension liability				\$ 1,589,949

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) x (b) x (c)
Beginning plan fiduciary net position	\$ 11,329,558	3 100%	5.50%	\$ 623,126
Employer contributions	2,352,621	50%	5.50%	64,697
Employee contributions	218,223	50%	5.50%	6,001
Benefit payments, including refunds of employee contributions	(1,541,624) 50%	5.50%	(42,395)
Administrative expense and other	(10,138	3) 50%	5.50%	(279)
Total Projected Earnings				\$ 651,150



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 lesources	erred Inflows Resources
Differences between expected and actual experience	\$ 112,503	\$ 501,936
Changes of assumptions	-	4,218,765
Net difference between projected and actual earnings	-	
on pension plan investments		2,272,928
Total	\$ 112,503	\$ 6,993,629

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	\$ (2,222,878)
2023	(2,062,056)
2024	(2,098,055)
2025	(498,137)
2026	-
Thereafter	-

City of Clarksburg, West Virginia Policemen's Pension and Relief Fund

Actuarial Information to Include in the Financial Statements for the June 30, 2021 Measurement Date

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

Fotal pension liability	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Service cost	\$ 885,593	\$ 826,002	\$ 979,662	\$ 964,909	\$ 940,194	\$ 678,319	\$ 618,071	\$ 666,702	\$-	\$-
Interest	1,589,949	1,520,547	1,458,048	1,429,392	1,404,357	1,370,741	1,338,559	1,332,234	-	-
Changes of benefit terms	-	-	-	-	-	-	-	-	-	-
Differences between expected and actual experience	(210,847)	(180,582)	281,256	(630,123)	(1,132,945)	(192,337)	(345,859)	-	-	-
Changes of assumptions	(3,914,799)	(2,137,778)	-	-	-	3,317,951	-	-	-	-
Benefit payments, including refunds of member contributions	(1,541,624)	(1,520,272)	(1,417,693)	(1,259,755)	(1,192,439)	(1,208,416)	(1,210,149)	(1,150,677)	-	-
Net change in total pension liability	(3,191,728)	(1,492,083)	1,301,273	504,423	19,167	3,966,258	400,622	848,259	-	-
Total pension liability - beginning	29,678,990	31,171,073	29,869,800	29,365,377	29,346,210	25,379,952	24,979,330	24,131,071	-	-
Total pension liability - ending (a)	\$ 26,487,262	\$ 29,678,990	\$ 31,171,073	\$ 29,869,800	\$ 29,365,377	\$ 29,346,210	\$ 25,379,952	\$ 24,979,330	\$-	\$-
Plan fiduciary net position	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Contributions - employer (including Premium Tax Allocation)	\$ 2,352,621	\$ 2,268,729	\$ 2,024,660	\$ 2,015,709	\$ 1,758,504	\$ 1,333,490	\$ 1,261,009	\$ 1,189,034	\$-	\$-
Contributions - member	218,223	200,742	192,160	176,039	168,474	157,241	154,449	151,027	-	
Net investment income	3,141,843	1,016,297	297,401	469,963	669,529	(21,235)	133,494	632,587	-	
Benefit payments, including refunds of member contributions	(1,541,624)	(1,520,272)	(1,417,693)	(1,259,755)	(1,192,439)	(1,208,416)	(1,210,149)	(1,150,677)	-	
Administrative expense	(10,138)	(8,300)	(7,500)	(7,500)	(7,500)	(7,750)	(7,500)	(7,500)	-	-
Other	-	543	(30)	-	-	-	-	206	-	-
Net change in plan fiduciary net position	\$ 4,160,925	\$ 1,957,739	\$ 1,088,998	\$ 1,394,456	\$ 1,396,568	\$ 253,330	\$ 331,303	\$ 814,677	\$ -	\$-
Plan fiduciary net position - beginning	11,329,558	9,371,819	8,282,821	6,888,363	5,491,795	5,238,465	4,907,162	4,092,485	-	-
Plan fiduciary net position - ending (b)	\$ 15,490,483	\$ 11,329,558	\$ 9,371,819	\$ 8,282,821	\$ 6,888,363	\$ 5,491,795	\$ 5,238,465	\$ 4,907,162	\$-	\$-
Employer's net pension liability - ending (a)-(b)	\$ 10,996,779	\$ 18,349,432	\$ 21,799,254	\$ 21,586,979	\$ 22,477,014	\$ 23,854,415	\$ 20,141,487	\$ 20,072,168	<u>\$ -</u>	\$
Plan fiduciary net position as a percentage of the otal pension liability	58.48%	38.17%	30.07%	27.73%	23.46%	18.71%	20.64%	19.64%	0.00%	0.00%
			00101.70		_0070				0.0070	0.007
Covered payroll	\$ 2,221,226	\$ 1,852,849	\$ 2,250,404	\$ 2,118,610	\$ 2,085,929	\$ 1,989,442	\$ 1,808,232	\$ 1,958,068	N/A	N/A
Employer's net pension liability as a percentage of covered payroll	495.08%	990.34%	968.68%	1018.92%	1077.55%	1199.05%	1113.88%	1025.10%	0.00%	0.00
Expected average remaining service years of all participants	4.00	5.00	5.00	5.41	5.34	5.30	4.75	-		-

Notes to Schedule:

Benefit changes:

There were no changes for FY2021.

Changes of assumptions:

The discount rate changed from 5.50% to 6.00%. 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.



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

for the June 30, 2021 Measurement Date

Schedule of Employer Contributions Last 10 Fiscal Years

	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Actuarially determined contribution	\$ 1,862,522	\$ 2,134,042	\$ 2,139,078	\$ 1,878,699	\$ 1,864,693	\$ 1,802,392	\$ 1,392,630	\$ 1,419,464	\$ 1,517,921	\$-
Contributions in relation to the actuarially determined contribution										
Employer provided	1,852,686	1,850,032	1,573,002	1,583,840	1,337,055	929,217	860,386	796,654	737,643	-
State provided	499,935	418,697	451,658	431,869	421,449	404,273	400,623	392,380	525,982	-
Contribution deficiency (excess)	\$ (490,099)	\$ (134,687)	\$ 114,418	\$ (137,010)	\$ 106,189	\$ 468,902	\$ 131,621	\$ 230,430	\$ 254,296	\$-
Covered payroll	\$ 2,221,226	\$ 1,852,849	\$ 2,250,404	\$ 2,118,610	\$ 2,085,929	\$ 1,989,442	\$ 1,808,232	\$ 1,958,068	\$ 2,017,329	N/A
Contributions as a percentage of covered employee payroll	105.92%	122.45%	89.97%	95.14%	84.30%	67.03%	69.74%	60.72%	62.64%	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 determine 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	5.50%, 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						



Actuarial Information to Include in the Financial Statements for the June 30, 2021 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	betw and A on I	Differences een Projected actual Earnings Pension Plan avestments	Recognition Period (Years)	2017	2018	2019	2020	2021	2022		2023	2024	2025
2017	\$	(376,763)	5	\$ (75,353)	(75,353)	(75,353)	(75,353)	(75,351)					
2018		(102,433)	5		\$ (20,487)	(20,487)	(20,487)	(20,487)	(20,48	35)			
2019		136,531	5			\$ 27,306	27,306	27,306	27,30	06	27,307		
2020		(524,170)	5				\$ (104,834)	(104,834)	(104,83	34)	(104,834)	(104,834)	
2021		(2,490,693)	5					\$ (498,139)	(498,13	39)	(498,139)	(498,139)	(498,137)
Vet increa	se (dec	rease) in pension	expense					\$ (671,505)	\$ (596,15	52)	\$ (575,666)	\$ (602,973)	\$ (498,137)

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

					Balan June 3	
Year	tment Earnings than Projected (a)	tment Earnings r Than Projected (b)	Amounts Recognized in Pension Expense Through June 30, 2021 (c)	0	Deferred utflows of esources (a) - (c)	Deferred Inflows of Resources (b) - (c)
2017	\$ -	\$ 376,763	\$ 376,763	\$	-	\$ -
2018	-	102,433	81,948		-	20,485
2019	136,531	-	81,918		54,613	-
2020	-	524,170	209,668		-	314,502
2021	-	2,490,693	498,139		-	1,992,554
				\$	54,613	\$ 2,327,541



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.

Year	Differences between Expected and Actual Experience	Recognition Period (Years)	Prior	2012	2013	2014	Increas 2015	e (Decrease) in I 2016	Pension Expense 2017	e Arising from th 2018	e Recognition o 2019	f Differences b 2020	etween Expected	d and Actual Exp 2022	erience 2023	2024	2025	2026	Thereafter
Prior	-	-														-	-		-
2012	-	-																	
2013	-	-																	
2014	-	-																	
2015	(345,859)	4.748459					\$ (72,836)	(72,836)	(72,836)	(72,836)	(54,515)								
2016	(192,337)	5.302034						\$ (36,276)	(36,276)	(36,276)	(36,276)	(36,276)	(10,957)						
2017	(1,132,945)	5.336196							\$ (212,313)	(212,313)	(212,313)	(212,313)	(212,313)	(71,380)					
2018	(630,123)	5.408155								\$ (116,513)	(116,513)	(116,513)	(116,513)	(116,513)	(47,558)				
2019	281,256	5.000000									\$ 56,251	56,251	56,251	56,251	56,252				
2020	(180,582)	5.000000										\$ (36,116)	(36,116)	(36,116)	(36,116)	(36,118)			
2021	(210,847)	4.000000											\$ (52,712)	(52,712)	(52,712)	(52,711)			
Net increa	se (decrease) in pe	nsion expense											\$ (372,360)	\$ (220,470)	\$ (80,134)	\$ (88,829)	\$-	\$	- \$

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, 2021 (c)		ces at 0, 2021 Deferred Inflows of Resources (b) - (c)
Prior	\$-	\$-	\$ -	\$-	\$-
2012	-	-	-	-	-
2013	-	-	-	-	-
2014	-	-	-	-	-
2015	-	345,859	345,859	-	-
2016	-	192,337	192,337	-	-
2017	-	1,132,945	1,061,565	-	71,380
2018	-	630,123	466,052	-	164,071
2019	281,256	-	168,753	112,503	-
2020	-	180,582	72,232	-	108,350
2021	-	210,847	52,712	-	158,135
				\$ 112,503	\$ 501,936



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 Pe	ension Expense	Arising from th	ne Effects of Cha	inges of Assum	ptions					
	Changes of	Recognition Period																	
Year	Assumptions	(Years)	Prior	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Thereafter
Prior	\$-	-																	-
2012	-	-																	
2013	-	-																	
2014	-	-																	
2015	-	4.748459																	
2016	3,317,951	5.302034						\$ 625,788	625,788	625,788	625,788	625,788	189,011						
2017	-	5.336196																	
2018	-	5.408155																	
2019	-	5.000000																	
2020	(2,137,778)	5.000000										\$ (427,556)	(427,556)	(427,556)	(427,556)	(427,554)			
2021	(3,914,799)	4.000000											\$ (978,700)	(978,700)	(978,700)	(978,699)			
Net increas	e (decrease) in per	nsion expense											\$ (1,217,245)	\$ (1,406,256)	\$ (1,406,256)	\$ (1,406,253)	\$ -	\$-	\$-

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

					ces at 0, 2021
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)	Deferred Outflows of Resources (a) - (c)	Deferred Inflows of Resources (b) - (c)
Prior	\$-	\$ -	\$-	\$-	\$-
2012	-	-	-	-	-
2013	-	-	-	-	-
2014	-	-	-	-	-
2015	-	-	-	-	-
2016	3,317,951	-	3,317,951	-	-
2017	-	-	-	-	-
2018	-	-	-	-	-
2019	-	-	-	-	-
2020	-	2,137,778	855,112	-	1,282,666
2021	-	3,914,799	978,700	-	2,936,099
				\$-	\$ 4,218,765



Projection of Pension Plan's Fiduciary Net Position

	Gr	oss Normal Cost (BOY)	t		Employ	vee Contribu (BOY)	tions	Em	ployer Normal (BOY)	Cost		Expenses (MOY)		Empl	oyer Contril (MOY)	outions		Premi	um Tax All (MOY)	ocation	
Fiscal Year	Current Members	Future Members	Total	Curr Memi		Future Members	Total	Current Members	Future Members	Total	rrent mbers	Future Members	Total	Current Members	Future Members	Total	Curr Mem		Future Members	Τα	otal
2021	\$ 616,760	\$-\$	616,760	\$ 18	7,520 \$; -	\$ 187,520	\$ 429,240	\$-	\$ 429,240	\$ 8,113	\$-	\$ 8,113	\$ 1,232,529	\$-	\$ 1,232,5	9 \$ 46	0,990	\$-	\$ 46	60,990
2022	\$ 591,011	\$ 58,695 \$	649,706	\$ 17	8,045 \$	5 19,299	\$ 197,344	\$ 412,966	\$ 39,396	\$ 452,362	\$ 7,392	\$ 924	\$ 8,316	\$ 1,277,321	\$ 41,48	5 \$ 1,318,8	6 \$ 46	4,032	\$-	\$ 46	64,032
2023	\$ 562,884	\$ 116,546 \$	679,430	\$ 16	8,169 \$	38,251	\$ 206,420	\$ 394,715	\$ 78,295	\$ 473,010	\$ 7,232	\$ 1,198	\$ 8,430	\$ 1,329,314	\$ 81,80	8 \$ 1,411,1	2 \$ 46	7,687	\$-	\$ 46	67,687
2024	\$ 535,647	\$ 178,394 \$	714,041	\$ 15	8,724 \$	58,338	\$ 217,062	\$ 376,923	\$ 120,056	\$ 496,979	\$ 7,148	\$ 1,493	\$ 8,641	\$ 1,384,803	\$ 125,09	8 \$ 1,509,9	1 \$ 48	8,203	\$-	\$ 48	88,203
2025	\$ 508,733	\$ 235,628 \$	744,361	\$ 14	9,547 \$	5 76,903	\$ 226,450	\$ 359,186	\$ 158,725	\$ 517,911	\$ 7,146	\$ 1,711	\$ 8,857	\$ 1,450,466	\$ 165,12	8 \$ 1,615,5	4 \$ 50	0,315	\$-	\$ 50	00,315
2026	\$ 480,111	\$ 296,296 \$	776,407	\$ 14	0,159 \$	96,342	\$ 236,501	\$ 339,952	\$ 199,954	\$ 539,906	\$ 7,139	\$ 1,939	\$ 9,078	\$ 1,520,882	\$ 207,80	4 \$ 1,728,6	6 \$ 51	2,729	\$-	\$ 51	12,729
2027	\$ 454,025	\$ 357,781 \$	811,806	\$ 13	1,267 \$	5 115,937	\$ 247,204	\$ 322,758	\$ 241,844	\$ 564,602	\$ 7,032	\$ 2,273	\$ 9,305	\$ 1,598,427	\$ 251,26	7 \$ 1,849,6	4 \$ 52	6,482	\$-	\$ 52	26,482
2028	\$ 434,015	\$ 419,372 \$	853,387	\$ 12	3,930 \$	5 135,622	\$ 259,552	\$ 310,085	\$ 283,750	\$ 593,835	\$ 7,013	\$ 2,525	\$ 9,538	\$ 1,684,509	\$ 294,66	4 \$ 1,979,1	3 \$ 54	2,973	\$-	\$ 54	42,973
2029	\$ 368,721	\$ 463,956 \$	832,677	\$ 10	6,783 \$	5 149,841	\$ 256,624	\$ 261,938	\$ 314,115	\$ 576,053	\$ 6,989	\$ 2,679	\$ 9,668	\$ 1,791,635	\$ 326,08	0 \$ 2,117,7	5 \$ 55	8,593	\$-	\$ 55	58,593
2030	\$ 339,700	\$ 553,497 \$	893,197	\$9	8,506 \$	5 178,092	\$ 276,598	\$ 241,194	\$ 375,405	\$ 616,599	\$ 7,061	\$ 3,071	\$ 10,132	\$ 1,876,381	\$ 389,57	4 \$ 2,265,9	5 \$ 57	6,261	\$-	\$ 57	76,261
2031	\$ 281,670	\$ 606,533 \$	888,203	\$8	3,421 \$	5 194,775	\$ 278,196	\$ 198,249	\$ 411,758	\$ 610,007	\$ 6,923	\$ 3,462	\$ 10,385	\$ 1,997,179	\$ 427,39	3 \$ 2,424,5	2 \$ 59	0,544	\$-	\$ 59	90,544
2032	\$ 266,332	\$ 680,239 \$,-	\$ 7	8,588 \$	5 217,880	\$ 296,468	\$ 187,744	\$ 462,359	\$ 650,103	\$ 6,989	\$ 3,773	\$ 10,762	\$ 2,114,491	\$ 479,80	1 \$ 2,594,2	2 \$ 11	3,379	\$-	\$ 11	13,379
2033	\$ 253,394	\$ 743,403 \$	996,797	\$ 7	4,329 \$	5 237,678	\$ 312,007	\$ 179,065	\$ 505,725	\$ 684,790	\$ 7,054	\$ 3,977	\$ 11,031	\$ 191,412	\$ 524,65	3 \$ 716,0	5 \$	-	\$-	\$	-
2034	\$ 233,838	\$ 796,749 \$	1,030,587	\$6	8,510 \$	5 254,216	\$ 322,726	\$ 165,328	\$ 542,533	\$ 707,861	\$ 7,004	\$ 4,180	\$ 11,184	\$ 177,219	\$ 562,75			-	\$-	\$	-
2035	\$ 203,920	\$ 861,944 \$	1,065,864	\$6	0,371 \$	5 274,053	\$ 334,424	\$ 143,549	\$ 587,891	\$ 731,440	\$ 6,948	\$ 4,516	\$ 11,464	\$ 154,740	\$ 609,78	7 \$ 764,5	7 \$	-	\$-	\$	-
2036	\$ 181,012	. , .	1,112,490	\$ 5	4,096 \$	5 295,232	\$ 349,328	\$ 126,916	\$ 636,246	\$ 763,162	\$ 7,003	\$ 4,877	\$ 11,880	\$ 137,672	\$ 659,93	2 \$ 797,6	4 \$	-	\$-	\$	-
2037	\$ 162,133	\$ 993,662 \$	1,155,795	\$ 4	8,975 \$	313,962	\$ 362,937	\$ 113,158	\$ 679,700	\$ 792,858	\$ 6,935	\$ 5,110	\$ 12,045	\$ 123,437	\$ 704,90	4 \$ 828,34	1 \$	-	\$-	\$	-
2038	\$ 149,647	\$ 1,061,309 \$	1,210,956	\$ 4	5,206 \$	334,432	\$ 379,638	\$ 104,441	\$ 726,877	\$ 831,318	\$ 6,984	\$ 5,362	\$ 12,346	\$ 114,512	\$ 753,72	8 \$ 868,2	0 \$	-	\$-	\$	-
2039	\$ 136,219	\$ 1,124,995 \$	1,261,214	\$4	1,275 \$	353,592	\$ 394,867	\$ 94,944	\$ 771,403	\$ 866,347	\$ 6,903	\$ 5,752	\$ 12,655	\$ 104,655	\$ 799,96	0 \$ 904,6	5 \$	-	\$-	\$	-
2040	\$ 119,470	\$ 1,190,427 \$	1,309,897	\$3	6,437 \$	372,745	\$ 409,182	\$ 83,033	\$ 817,682	\$ 900,715	\$ 7,076	\$ 5,895	\$ 12,971	\$ 92,564	\$ 847,75	0 \$ 940,3	4 \$	-	\$-	\$	-
2041	\$ 101,214	\$ 1,260,309 \$	1,361,523	\$ 3	0,959 \$	392,654	\$ 423,613	\$ 70,255	\$ 867,655	\$ 937,910	\$ 6,984	\$ 6,311	\$ 13,295	\$ 79,317	\$ 899,61	6 \$ 978,9	3 \$	-	\$-	\$	-
2042	\$ 85,069	\$ 1,329,973 \$	1,415,042	\$2	6,131 \$	6 412,783	\$ 438,914	\$ 58,938	. ,	. ,	\$ 7,021	\$ 6,606	\$ 13,627	\$ 67,701	\$ 950,91	1 \$ 1,018,6	2 \$	-	\$-	\$	-
2043	\$ 73,852	\$ 1,393,620 \$	1,467,472	\$ 2	2,729 \$	6 431,945	\$ 454,674	\$ 51,123	\$ 961,675	\$ 1,012,798	\$ 6,914	\$ 7,054	\$ 13,968	\$ 59,548	\$ 997,15	9 \$ 1,056,7	7 \$	-	\$-	\$	-
2044	\$ 60,433	\$ 1,445,314 \$	1,505,747	\$ 1	8,733 \$	6 447,686	\$ 466,419	\$ 41,700	\$ 997,628	\$ 1,039,328	\$ 7,087	\$ 7,230	\$ 14,317	\$ 50,020	\$ 1,034,35	. , ,	•	-	\$-	\$	-
2045	\$ 47,298		1,558,345	\$ 1	4,712 \$	6 467,290	\$ 482,002	\$ 32,586	. , ,	\$ 1,076,343	\$ -,	\$ 7,868	\$ 14,836	\$ 40,517	\$ 1,082,48			-	\$-	\$	-
2046	\$ 38,011	\$ 1,574,550 \$		·	1,821 \$,	\$ 498,311	\$ 26,190		\$ 1,114,250	\$ 7,142	. ,	15,207			1 \$ 1,162,3		-	\$-	\$	-
2047	\$ 31,176	\$ 1,638,257 \$	1,669,433	\$	9,662 \$	5 505,860	\$ 515,522		\$ 1,132,397		\$ 7,009	\$ 8,578	\$ 15,587	\$ 29,159	\$ 1,174,45	2 \$ 1,203,6	1 \$	-	\$-	\$	-
2048	\$ 22,092	\$ 1,698,394 \$	1,720,486	\$	6,802 \$	5 523,499	\$ 530,301		\$ 1,174,895		\$ 7,025	\$ 9,125	\$ 16,150	\$ 22,768	\$ 1,218,75	3 \$ 1,241,5	1 \$	-	\$-	\$	-
2049	\$ 13,846	\$ 1,770,404 \$	1,784,250	\$	4,227 \$	5 544,663	\$ 548,890	\$ 9,619	\$ 1,225,741	\$ 1,235,360	\$ 7,037	\$ 9,517	\$ 16,554			5 \$ 1,288,4		-	\$-	\$	-
2050	\$ 9,427	\$ 1,830,808 \$	1,840,235	\$	2,855 \$	5 563,049	\$ 565,904	\$ 6,572	\$ 1,267,759	\$ 1,274,331	\$ 6,877		16,968	\$ 13,643	\$ 1,315,32	9 \$ 1,328,9	2 \$	-	\$-	\$	-
2051	\$ 5,484	\$ 1,896,646 \$	1,902,130	\$			\$ 584,609		\$ 1,313,659		\$ 6,877	, ,	\$ 17,579	\$ 10,853	\$ 1,363,19	7 \$ 1,374,0	0 \$	-	\$-	\$	-
2052		\$ 1,956,522 \$			866 \$		\$ 602,630		\$ 1,354,758		\$ 6,873					4 \$ 1,415,0		-	\$ -	\$	-
2053	. ,	\$ 2,029,749 \$		\$	490 \$		\$ 624,885	. ,	\$ 1,405,354		\$ 6,864		18,665			2 \$ 1,466,8		-	\$ -	\$	-
2054		\$ 2,099,441 \$		\$			\$ 646,176		\$ 1,453,527		\$ 6,850		19,132			0 \$ 1,516,3		-	\$ -	\$	-
2055		\$ 2,174,666 \$					\$ 669,086				\$ 6,642		19,610			3 \$ 1,570,24		-	\$ -	\$	-
2056		\$ 2,250,681 \$		\$,	\$ 692,413		\$ 1,558,344		\$ 6,614		20,100			9 \$ 1,624,74		-	\$ -	\$	-
2057		\$ 2,328,075 \$		\$	39 \$		\$ 716,414				\$ 6,580		20,603			0 \$ 1,680,0		-	\$ -	\$	-
2058		\$ 2,409,778 \$		\$	13 \$		\$ 741,512		\$ 1,668,279		\$ 6,540		21,340			8 \$ 1,738,9		-	\$ -	\$	-
2059		\$ 2,498,247 \$		\$	8 \$		\$ 768,392		\$ 1,729,863		\$ 6,285		21,874			2 \$ 1,802,9		-	\$-	\$	-
2060		\$ 2,588,046 \$		\$			\$ 795,631		\$ 1,792,417		\$ 6,227		,			0 \$ 1,867,8		-	\$ -	\$	-
2061	\$-	\$ 2,683,306 \$	2,683,306	\$	- \$	824,472	\$ 824,472	\$-	\$ 1,858,834	\$ 1,858,834	\$ 6,163	\$ 16,819	\$ 22,982	\$ 6,163	\$ 1,930,60	6 \$ 1,936,7	9 \$	-	\$-	\$	-



Projection of Pension Plan's Fiduciary Net Position

		Actu	iaria	al Accrued Liability (B	OY)						Clo	ose	ed Group Asset Project	ior	h
· Fiscal Year	Cur	rent Members		Future Members		Total	Fidu	ciary Net Position (BOY)	Funded Ratio (BOY)		Projected EEC Contributions (MOY)	P	Projected ER Contrib + Premium Tax (MOY)		
2021	\$	25,869,216	\$	-	\$	25,869,216	\$	11,329,558	43.80%	\$	193,064	9	6 1,693,519	\$	
2022	\$	26,423,644	\$	-	\$	26,423,644	\$	12,291,845	46.52%	\$	183,309	9	5 1,741,353	\$	
2023	\$	27,053,285	\$	61,199	\$	27,114,484	\$	13,421,057	49.61%	\$	173,141	9	5 1,797,001	\$	
2024	\$	27,666,753	\$	184,379	\$	27,851,132	\$	14,640,875	52.92%	\$	163,416	9	5 1,873,006	\$	
2025	\$	28,270,222	\$	375,713	\$	28,645,935	\$	15,984,270	56.54%	\$	153,968	9	5 1,950,781	\$	
2026	\$	28,858,324	\$	631,828	\$	29,490,152	\$	17,455,572	60.49%	\$	144,303	9	2,033,611	\$	
2027	\$	29,412,557	\$	956,575	\$	30,369,132	\$	19,051,672	64.77%	\$	135,148	9	2,124,909	\$	
2028	\$	29,931,759	\$	1,352,182	\$	31,283,941	\$	20,787,585	69.45%	\$	127,594	9	5 2,227,482	\$	
2029	\$	30,436,900	\$	1,822,321	\$	32,259,221	\$	22,701,500	74.59%	\$	109,940	9	2,350,228	\$	
2030	\$	30,836,823	\$	2,340,944	\$	33,177,767	\$	24,772,157	80.33%	\$	101,418	9	2,452,642	\$	
2031	\$	31,191,177			\$	34,152,277	\$	27,024,844	86.64%	\$	85,887				
2032	\$	31,456,808	\$		\$	35,100,432	\$	29,487,449	93.74%	\$	80,911				
2033	\$	31,712,442			\$	36,135,877	\$	31,712,449	100.00%	\$	76,526				
2034	\$	31,963,155	\$		\$	37,257,657	\$	31,963,161	100.00%	\$	70,535				
2035	\$	32,186,459	\$		\$	38,428,213	\$	32,186,464	100.00%	\$	62,156				
2036	\$	32,351,313			\$	39,621,170	\$	32,351,318	100.00%	\$	55,695				
2037	\$	32,478,329	\$		\$	40,871,960	\$	32,478,335	100.00%	\$	50,423				
2038	\$	32,576,124			\$	42,187,523	\$	32,576,129	100.00%	\$	46,542				
2039	\$	32,664,441	\$		\$	43,603,414	\$	32,664,445	100.00%	\$	42,495				
2040	\$	32,741,552	\$		\$	45,117,255	\$	32,741,557	100.00%	\$	37,514				
2041	\$	32,799,751	\$		\$	46,722,843	\$	32,799,757	100.00%	\$	31,874				
2042	\$	32,821,880	\$		\$	48,401,270	\$	32,821,887	100.00%	\$	26,904				
2043	\$	32,818,327	\$		\$	50,162,554	\$	32,818,334	100.00%	\$	23,401				
2044	\$	32,804,733			\$	52,009,072	\$	32,804,740	100.00%	\$	19,287				
2045	\$	32,767,676	\$		\$	53,883,928	\$	32,767,684	100.00%	\$	15,147				
2046	\$	32,709,260	\$		\$	55,803,359	\$	32,709,268	100.00%	\$	12,170				
2047	\$	32,643,876		25,133,183		57,777,059	↓ \$	32,643,884	100.00%	\$	9,948				
2048	\$	32,581,927			↓ \$	59,812,407	↓ \$	32,581,936	100.00%	\$	7,003				
2049	\$	32,508,021		29,356,967		61,864,988	Ψ \$	32,508,030	100.00%	\$	4,352				
2045	Ψ \$	32,436,516		31,534,375		63,970,891	Ψ \$	32,436,526	100.00%	\$	2,939				
2050	Ψ \$	32,380,858		33,742,457		66,123,315	Ψ \$	32,380,868	100.00%	\$	1,670				
2052	Ψ \$	32,345,478		35,969,776		68,315,254	Ψ \$	32,345,489	100.00%	↓ \$	892				
2052		32,343,478		38,201,748		70,542,946		32,343,489	100.00%	ֆ \$	504				
	\$ ¢						\$ ¢								
2054 2055	\$ ¢	32,376,016 32,455,649		40,466,911 42,754,062		72,842,927	\$	32,376,028	100.00%	\$	270				
	\$					75,209,711	\$	32,455,663	100.00%	\$	145				
2056	\$ ¢	32,585,685		45,069,328		77,655,013	\$ ¢	32,585,700	100.00%	\$	78				
2057	\$ ¢	32,771,360		47,408,642		80,180,002	\$	32,771,376	100.00%	\$	40				
2058	\$	33,017,893			\$	82,784,882	\$	33,017,910	100.00%	\$	13				
2059	\$	33,330,465		52,146,832		85,477,297	\$	33,330,482	100.00%	\$	8				
2060	\$	33,714,561		54,556,792		88,271,353	\$	33,714,581	100.00%	\$	2				
2061	\$	34,175,616	\$	56,993,912	\$	91,169,528	\$	34,175,636	100.00%	\$	-	9	6,163	\$	



Projected BP (MOY)	Projected Admin Expenses (MOY)	Projected Investment Earnings	:
1,604,069	\$ 8,113	\$ 687,886	6
1,536,816	\$ 7,392	\$ 748,758	3
1,560,260	\$ 7,232	\$ 817,167	7
1,577,681	\$ 7,148	\$ 891,803	3
1,600,066	\$ 7,146	\$ 973,765	5
1,637,767	\$ 7,139	\$ 1,063,092	2
1,677,234	\$ 7,032	\$ 1,160,122	2
1,700,547	\$ 7,013	\$ 1,266,398	3
1,764,958	\$ 6,989	\$ 1,382,436	6
1,802,646	\$ 7,061	\$ 1,508,335	5
1,849,726	\$ 6,923	\$ 1,645,643	3
1,859,125	\$ 6,989	\$ 1,782,333	3
1,865,482	\$ 7,054	\$ 1,855,310)
1,886,581	\$ 7,004	\$ 1,869,134	4
1,925,563	\$ 6,948	\$ 1,880,469	Э
1,948,337	\$ 7,003	\$ 1,888,990	C
1,964,684	\$ 6,935	\$ 1,895,553	3
1,966,734	\$ 6,984	\$ 1,900,980	C
1,968,940	\$ 6,903	\$ 1,905,805	5
1,974,558	\$ 7,076	\$ 1,909,756	6
1,994,189	\$ 6,984	\$ 1,912,112	2
2,003,801	\$ 7,021	\$ 1,912,664	4
2,001,798	\$ 6,914	\$ 1,912,169	Э
2,009,979	\$ 7,087	\$ 1,910,703	3
2,015,042	\$ 6,968	\$ 1,907,930	C
2,008,844	\$ 7,142	\$ 1,904,326	6
1,994,660	\$ 7,009	\$ 1,900,614	4
1,993,311	\$ 7,025	\$ 1,896,660	C
1,978,182	\$ 7,037	\$ 1,892,422	2
1,954,073	\$ 6,877	\$ 1,888,710	C
1,927,074	\$ 6,877	\$ 1,886,049	Э
1,892,300	\$ 6,873	\$ 1,884,880	C
1,852,760	\$ 6,864	\$ 1,885,753	3
1,810,428	\$ 6,850	\$ 1,889,069	Э
1,765,668	\$ 6,642	\$ 1,895,157	7
1,718,962	\$ 6,614	\$ 1,904,333	3
1,670,528	\$ 6,580	\$ 1,916,907	1
1,620,642	\$ 6,540	\$ 1,933,165	5
1,569,368	\$ 6,285	\$ 1,953,435	5
1,516,983	\$ 6,227	\$ 1,978,029	9
1,463,667	\$ 6,163	\$ 2,007,268	3



Projection of Pension Plan's Fiduciary Net Position

iscal Year	"Fun	ded" Portion of BP	"Unfunde	ed" Portion of BP	PV	of "Funded" BP	PV of "U	nfunded" BP		of BP Using a Single DR
2021	\$	1,604,069	\$	-	\$	1,558,010	\$	-	\$	1,558,01
2022	\$	1,536,816	\$	-	\$	1,408,196	\$	-	\$	1,408,19
2023	\$	1,560,260	\$	-	\$	1,348,753	\$	-	\$	1,348,75
2024	\$	1,577,681	\$	-	\$	1,286,615	\$	-	\$	1,286,61
2025	\$	1,600,066	\$	-	\$	1,231,010	\$	-	\$	1,231,01
2026	\$	1,637,767	\$	-	\$	1,188,693	\$	-	\$	1,188,69
2027	\$	1,677,234	\$	-	\$	1,148,433	\$	-	\$	1,148,43
2028	\$	1,700,547	\$	-	\$	1,098,486	\$	-	\$	1,098,48
2029	\$	1,764,958	\$	-	\$	1,075,560	\$	-	\$	1,075,56
2030	\$	1,802,646	\$	-	\$	1,036,346	\$	-	\$	1,036,34
2031	\$	1,849,726	\$	-	\$	1,003,219	\$	-	\$	1,003,21
2032	\$	1,859,125	\$	-	\$	951,242	\$	-	\$	951,24
2033	\$	1,865,482	\$	-	\$	900,467	\$	-	\$	900,46
2034	\$	1,886,581	\$	-	\$	859,105	\$	-	\$	859,10
2035	\$	1,925,563	\$	-	\$	827,223	\$	-	\$	827,22
2036	\$	1,948,337	\$	-	\$	789,629	\$	-	\$	789,62
2037	\$	1,964,684	\$	-	\$	751,183	\$	-	\$	751,18
2038	\$	1,966,734	\$	-	\$	709,403	\$	-	\$	709,40
2039	\$	1,968,940	\$	-	\$	669,999	\$	-	\$	669,99
2040	\$	1,974,558	\$	-	\$	633,878	\$	-	\$	633,87
2041	\$	1,994,189	\$	-	\$	603,943	\$	-	\$	603,94
2042	\$	2,003,801	\$	-	\$	572,504	\$	-	\$	572,50
2043	\$	2,001,798	\$	-	\$	539,558	\$	-	\$	539,55
2044	\$	2,009,979	\$	-	\$	511,097	\$	-	\$	511,09
2045	\$	2,015,042	\$	-	\$	483,382	\$	-	\$	483,38
2046	\$	2,008,844	\$	-	\$	454,618	\$	-	\$	454,61
2047	\$	1,994,660	\$	-	\$	425,857	\$	-	\$	425,85
2048	\$	1,993,311	\$	-	\$	401,480	\$	-	\$	401,48
2049	\$	1,978,182	\$	-	\$	375,880	\$	-	\$	375,88
2050	\$	1,954,073	\$	-	\$	350,282	\$	-	\$	350,28
2051	\$	1,927,074	\$	-	\$	325,889	\$	-	\$	325,88
2052	\$	1,892,300	\$	-	\$	301,895	\$	-	\$	301,89
2053	\$	1,852,760	\$	-	\$	278,855	\$	-	\$	278,85
2054	\$	1,810,428	\$	-	\$	257,060	\$	-	\$	257,06
2055	\$	1,765,668	\$	-	\$	236,514	\$	-	\$	236,51
2056	\$	1,718,962	\$	-	\$	217,224	\$	-	\$	217,22
2057	\$	1,670,528	\$	-	\$	199,154	\$	-	\$	199,15
2058	\$	1,620,642	\$	-	\$	182,271	\$	-	\$	182,27
2059	\$	1,569,368	\$	-	\$	166,513	\$	-	\$	166,51
2060	\$	1,516,983	\$	_	\$	151,844	\$	-	\$	151,84
2000	Ψ \$	1,463,667	\$		\$	138,215	\$		Ψ \$	131,04