

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

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

Bolton

Submitted by:

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November 10, 2023

Mr. Billie Trump City Treasurer, Recorder City of Beckley P.O. Box 2514 Beckley, WV 25801 Sergeant Joshua Stewart Pension Board Secretary City of Beckley Policemen's Pension and Relief Fund

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

Dear Billie,

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

Methodology, Reliance and Certification

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

The total pension liability is based on the July 1, 2022 actuarial valuation rolled forward to June 30, 2023. The methods, assumptions, and participant data used are detailed in the July 1, 2022 actuarial valuation report with the exception of the actuarial cost method. These calculations are based on the Entry Age Normal cost method as required by GASB 67. The calculation of the Actuarially Determined Contribution (ADC) for the fiscal year ending June 30, 2023 is contained in the July 1, 2021 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 5.50%. The plan's expected gross rate of investment return of 5.50% has been blended with the 3.86% yield corresponding to the 20-year maturity on a municipal general obligation AA bond yield curve published on Fidelity's Fixed Income Market Data webpage as of June 30, 2023. 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, 2023 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.

Mr. Billie Trump November 10, 2023 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 five methods allowed for under state law. The actuarial valuation methods are chosen by the actuary in accordance with actuarial standards of practice promulgated by the Actuarial Standards Board of the American Academy of Actuaries and as required by GASB 67 & 68. The MPOB selects the asset valuation methods and assumptions; these selections are reviewed by a qualified actuary no less than every five years. The actuary shall provide a report to the Board with recommendations on any changes to the actuarial process. The policies, methods and assumptions used in this valuation are those that have been so prescribed and are described in this report. The City and MPOB are solely responsible for communicating to Bolton Partners, Inc. any changes required thereto.

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

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

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

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

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.



Mr. Billie Trump November 10, 2023 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, 2022 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, 2023, were as follows:

Total pension liability	\$	43,745,777
Plan fiduciary net position		(29,289,642)
Employer's net pension liability	\$	14,456,135
Plan fiduciary net position as a percentage of the total pension liability		66.95%

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

Inflation	2.50 percent
Salary increases	Rates vary by years of service
Single discount rate (BOY)	6.25%
Single discount rate (EOY)	5.50%
Investment rate of return (BOY)	6.25%, net of pension plan investment expense, including inflation
Investment rate of return (EOY)	5.50%, net of pension plan investment expense, including inflation
Long-term municpal bond rate (BOY)	3.69%
Long-term municpal bond rate (EOY)	3.86%
Mortality	SOA PubS-2010(B) with generational projection using Scale MP-2019
Year Fund is projected to be fully funded	2046
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, 2022 actuarial valuation report.

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

	Decrease 4.50%	Current scount Rate 5.50%	19	% Increase 6.50%
Employer's net pension liability	\$ 21,002,475	\$ 14,456,135	\$	9,189,349



Changes in the Net Pension Liability

	lt	ncrease (Decrease)
	Total Pension Liability (a)	Plan Fiduciary Net Position (b)	Net Pension Liability (a) - (b)
Balances at 6/30/22	\$ 37,477,766	\$ 26,974,092	\$ 10,503,674
Changes for the year:			
Service cost	903,381		903,381
Interest	2,281,728		2,281,728
Changes of benefit terms	-		-
Differences between expected and actual experience	971,541		971,541
Changes of assumptions	4,051,594		4,051,594
Contributions - employer (including Premium Tax Allocation)		1,264,939	(1,264,939)
Contributions - member		296,812	(296,812)
Net investment income		2,694,052	(2,694,052)
Benefit payments, including refunds of member contributions	(1,940,233)	(1,940,233)	-
Administrative expense		(20)	20
Other		-	-
Net Changes	6,268,011	2,315,550	3,952,461
Balances at 6/30/23	\$ 43,745,777	\$ 29,289,642	\$ 14,456,135
Return on Investments		10.1%	



Components of Employer's Pension Expense for the Fiscal Year Ended June 30, 2023

Note	Description	Amount
А	Service cost	\$ 903,381
В	Interest on the total pension liability	2,281,728
А	Changes of benefit terms	-
С	Differences between expected and actual experience	116,182
С	Changes of assumptions	(158,369)
А	Employee contributions	(296,812)
D	Projected earnings on pension plan investments	(1,674,052)
С	Differences between expected and actual earnings on	(243,761)
	plan investments	
А	Pension plan administrative expense	20
А	Other changes in fiduciary net position	-
	Total Pension Expense	\$ 928,317

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	\$ 37,477,766	6 100%	6.25%	\$ 2,342,360
Service cost (End of Year)	903,38	1 0%	6.25%	-
Benefit payments, including refunds of employee contributions	(1,940,233	3) 50%	6.25%	(60,632)
Total interest on the total pension liability				\$ 2,281,728

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	\$ 26,974,092	100%	6.25%	\$ 1,685,881
Employer contributions	1,264,939	50%	6.25%	39,529
Employee contributions	296,812	50%	6.25%	9,275
Benefit payments, including refunds of employee contributions	(1,940,233)	50%	6.25%	(60,632)
Administrative expense and other	(20)	50%	6.25%	(1)
Total Projected Earnings				\$ 1,674,052



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

At June 30, 2023, the Employer reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	red Outflows Resources	erred Inflows Resources
Differences between expected and actual experience	\$ 1,173,380	\$ 446,749
Changes of assumptions	3,632,109	2,832,221
Net difference between projected and actual earnings	-	
on pension plan investments		4,655
Total	\$ 4,805,489	\$ 3,283,625

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:	
2024	\$ 231,129
2025	(344,129)
2026	1,838,864
2027	(204,000)
2028	-
Thereafter	-

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

Total pension liability	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Service cost	\$ 903,381	\$ 951,163	\$ 944,209	\$ 1,180,545	\$ 1,090,463	\$ 1,083,032	\$ 932,441	\$ 527,526	\$ 605,759	\$ 566,516
Interest	2,281,728	2,117,910	2,243,140	2,150,243	2,043,224	1,958,079	1,913,373	1,873,424	1,822,041	1,800,224
Changes of benefit terms	-	-	27,539	-	-	-	-	-	-	-
Differences between expected and actual experience	971,541	594,034	(975,922)	(608,310)	886,248	(539,579)	(579,180)	(367,023)	(240,296)	-
Changes of assumptions	4,051,594	(3,838,350)	578,721	(2,739,147)	2,692,393	(2,425,222)	-	7,544,910	(1,724,947)	-
Benefit payments, including refunds of member contributions	 (1,940,233)	 (1,708,901)	(1,682,869)	(1,703,123)	(1,638,349)	(1,605,801)	(1,531,586)	(1,555,886)	(1,573,944)	(1,480,387)
Net change in total pension liability	 6,268,011	 (1,884,144)	1,134,818	(1,719,792)	5,073,979	(1,529,491)	735,048	8,022,951	(1,111,387)	886,353
Total pension liability - beginning	37,477,766	39,361,910	38,227,092	39,946,884	34,872,905	36,402,396	35,667,348	27,644,397	28,755,784	27,869,431
Total pension liability - ending (a)	\$ 43,745,777	\$ 37,477,766	\$ 39,361,910	\$ 38,227,092	\$ 39,946,884	\$ 34,872,905	\$ 36,402,396	\$ 35,667,348	\$ 27,644,397	\$ 28,755,784

Plan fiduciary net position	2023	2022	2021	2020		2019		2018		2017		2016	2015	2014
Contributions - employer (including Premium Tax Allocation)	\$ 1,264,939	\$ 1,214,850	\$ 1,195,018	\$ 1,149,672	\$	1,178,526	\$	1,129,068	\$	967,969	\$	892,200	\$ 870,447	\$ 834,851
Contributions - member	296,812	289,057	239,218	225,268		228,413		207,438		204,974		183,202	163,569	167,926
Net investment income	2,694,052	(2,318,673)	5,516,386	901,518		1,670,372		1,404,579		1,409,529		917,047	650,402	2,169,818
Benefit payments, including refunds of member contributions	(1,940,233)	(1,708,901)	(1,682,869)	(1,703,123)		(1,638,349)		(1,605,801)		(1,531,586)		(1,555,886)	(1,573,944)	(1,480,387)
Administrative expense	(20)	(14)	(24)	(24)		(24)		(24)		(24)	-		(68,325)	(63,349)
Other	 -	-	-	-	_	-	_	-	_	-		-	-	 -
Net change in plan fiduciary net position	\$ 2,315,550	\$ (2,523,681)	\$ 5,267,729	\$ 573,311	\$	1,438,938	\$	1,135,260	\$	1,050,862	\$	436,563	\$ 42,149	\$ 1,628,859
Plan fiduciary net position - beginning	26,974,092	29,497,773	24,230,044	23,656,733		22,217,795		21,082,534		20,031,672		19,506,341	19,553,486	17,924,627
Plan fiduciary net position - ending (b)	\$ 29,289,642	\$ 26,974,092	\$ 29,497,773	\$ 24,230,044	\$	23,656,733	\$	22,217,794	\$	21,082,534	\$	19,942,904	\$ 19,595,635	\$ 19,553,486
Employer's net pension liability - ending (a)-(b)	\$ 14,456,135	\$ 10,503,674	\$ 9,864,137	\$ 13,997,048	\$	16,290,151	\$	12,655,111	\$	15,319,862	\$	15,724,444	\$ 8,048,762	\$ 9,202,298
Plan fiduciary net position as a percentage of the total pension liability	66.95%	71.97%	74.94%	63.38%		59.22%		63.71%		57.92%		55.91%	70.88%	68.00%
Covered payroll	\$ 3,448,087	\$ 2,925,004	\$ 2,532,581	\$ 2,931,036	\$	2,671,312	\$	2,580,777	\$	2,217,255	\$	2,100,749	\$ 2,202,152	\$ 2,076,451
Employer's net pension liability as a percentage of covered payroll	419.25%	359.10%	389.49%	477.55%		609.82%		490.36%		690.94%		748.52%	365.50%	443.17%
Expected average remaining service years of all participants	4.00	4.00	4.00	6.00		6.00		5.84		5.38		5.44	5.45	N/A

Notes to Schedule:

Benefit changes: There were no changes for FY2023.

Changes of assumptions: The discount rate changed from 6.25% to 5.50%.

*Market value of assets as of July 1, 2016, includes \$88,768, 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.

*Market value of assets as of July 1, 2015, excludes \$89,294, included in the market value of assets as of June 30, 2015, used for the actuarial valuation report for the fiscal year end June 30, 2015.

Schedule of Employer Contributions Last 10 Fiscal Years

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Actuarially determined contribution	\$ 1,167,253	\$ 1,613,556	\$ 1,709,028	\$ 1,923,216	\$ 1,618,552	\$ 1,443,038	\$ 1,526,595	\$ 1,424,813	\$ 769,449	\$ 908,970
Contributions in relation to the actuarially determined contribution										
Employer provided	720,962	673,796	629,716	588,519	650,018	614,036	480,407	448,978	419,606	392,155
State provided	 543,977	 541,054	 565,302	 561,153	 528,508	 515,032	 487,562	 443,222	 450,841	 405,775
Contribution deficiency (excess)	\$ (97,686)	\$ 398,706	\$ 514,010	\$ 773,544	\$ 440,026	\$ 313,970	\$ 558,626	\$ 532,613	\$ (100,998)	\$ 111,040
Covered payroll	\$ 3,448,087	\$ 2,925,004	\$ 2,532,581	\$ 2,931,036	\$ 2,671,312	\$ 2,580,777	\$ 2,217,255	\$ 2,100,749	\$ 2,202,152	\$ 2,076,451
Contributions as a percentage of covered employee payroll	36.69%	41.53%	47.19%	39.22%	44.12%	43.75%	43.66%	42.47%	39.53%	38.43%

Notes to Schedule

Valuation date:

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

Methods and assumptions used to determine	e contribution rates:
Actuarial cost method	Entry Age Normal
Amortization method	Level Dollar
Remaining amortization period	15 to 27.5 years
Asset valuation method	4-year smoothed market
Inflation	2.50 percent
Salary increases	Rates vary by years of service
Investment rate of return	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

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	betv and on	Differences ween Projected Actual Earnings Pension Plan Investments	Recognition Period (Years)	2019	2020	2021	2022	2023	:	2024	2025	2026	2027
2019	\$	(454,759)	5	\$ (90,952)	(90,952)	(90,952)	(90,952)	(90,951)					
2020		390,576	5		\$ 78,115	78,115	78,115	78,115		78,116			
2021		(4,070,042)	5			\$ (814,008)	(814,008)	(814,008)		(814,008)	(814,010)		
2022		3,935,413	5				\$ 787,083	787,083		787,083	787,083	787,081	
2023		(1,020,000)	5					\$ (204,000)		(204,000)	(204,000)	(204,000)	(204,0
let increa	se (de	crease) in pension	expense					\$ (243,761)	\$	(152,809)	\$ (230,927)	\$ 583,081	\$ (204,0

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)	nvestment Earnings reater Than Projected (b)	Amounts Recognized in Pension Expense Through June 30, 2023 (c)	Deferred Dutflows of Resources (a) - (c)	l	Deferred nflows of tesources (b) - (c)
2019	\$ -	\$ 454,759	\$ 454,759	\$ -	\$	-
2020	390,576	-	312,460	78,116		-
2021	-	4,070,042	2,442,024	-		1,628,018
2022	3,935,413	-	1,574,166	2,361,247		-
2023	-	1,020,000	204,000	-		816,000
				\$ 2,439,363	\$	2,444,018

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.

								Increa	se (Decrease) ir	n Pension Expens	se Arising from	the Recognition	of Differences	betweer	n Expected	and Actual Expe	rience					
Year	Differences between Expected and Actual Experience	Recognition Period (Years)	Prior	2014	2015		2016	2017	2018	2019	2020	2021	2022		2023	2024	2025	2026	2027	2028	Therea	after
Prior	-	-																				-
2014	-	-																				
2015	(240,296)	5.448048			\$ (44,10	7)	(44,107)	(44,107)	(44,107)	(44,107)	(19,761)											
2016	(367,023)	5.441533				\$	(67,448)	(67,448)	(67,448)	(67,448)	(67,448)	(29,783)										
2017	(579,180)	5.378254						\$ (107,689)	(107,689)	(107,689)	(107,689)	(107,689)	(40,735)									
2018	(539,579)	5.839255							\$ (92,405)	(92,405)	(92,405)	(92,405)	(92,405)		(77,554)							
2019	886,248	6.000000								\$ 147,708	147,708	147,708	147,708		147,708	147,708						
2020	(608,310)	6.000000									\$ (101,385)	(101,385)	(101,385)		(101,385)	(101,385)	(101,385)					
2021	(975,922)	4.000000										\$ (243,981)	(243,981)		(243,981)	(243,979)						
2022	594,034	4.000000											\$ 148,509		148,509	148,509	148,507					
2023	971,541	4.000000												\$	242,885	242,885	242,885	242,886				
Net increase	se (decrease) in pen	sion expense												\$	116,182	\$ 193,738	\$ 290,007	\$ 242,886	\$	- \$	- \$	-

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

Year	Experience Losses (a)	Experience Gains (b)	Amounts Recognized in Pension Expense Through June 30, 2023 (c)		ices at 0, 2023 Deferred Inflows of Resources (b) - (c)
Prior	\$-	\$ -	\$-	\$-	\$-
2014	-	-	-		-
2015	-	240,296	240,296		-
2016	-	367,023	367,023		-
2017	-	579,180	579,180	-	-
2018	-	539,579	539,579	-	-
2019	886,248	-	738,540	147,708	
2020	-	608,310	405,540	-	202,770
2021	-	975,922	731,943	-	243,979
2022	594,034	-	297,018	297,016	-
2023	971,541	-	242,885	728,656	-
				\$ 1,173,380	\$ 446,749

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 functional 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 and the pension 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.

B

								Inc	rease (Decrease) in Pension Expe	nse Arising fro	om the	e Effects of C	Changes	of Assum	ptions							
	Changes of	Recognition Period																					
Year	Assumptions	(Years)	Prior	2014	2015	2016	2017	2018	2019	2020	2021		2022	2	023	2024	2025	2026	20	27	2028	There	after
Prior	\$-	-																					
2014		-																					
2015	(1,724,947)	5.448048			\$ (316,617)	(316,617)	(316,617)	(316,617)	(316,617)	(141,862)													
2016	7,544,910	5.441533				\$ 1,386,541	1,386,541	1,386,541	1,386,541	1,386,541	612,205												
2017	-	5.378254																					
2018	(2,425,222)	5.839255						\$ (415,331)	(415,331)	(415,331)	(415,331)		(415,331)	(348,567)								
2019	2,692,393	6.000000							\$ 448,732	448,732	448,732		448,732		448,732	448,733							
2020	(2,739,147)	6.000000								\$ (456,525)	(456,525)		(456,525)	(456,525)	(456,525)	(456,522)						
2021	578,721	4.000000									\$ 144,680		144,680		144,680	144,681							
2022	(3,838,350)	4.000000										\$	(959,588)	(959,588)	(959,588)	(959,586)						
2023	4,051,594	4.000000												\$ 1,	012,899	1,012,899	1,012,899	1,012,897					
Net increas	e (decrease) in pen	sion expense												\$ ((158,369)	\$ 190,200	\$ (403,209)	\$ 1,012,897	\$	-	\$	- \$	

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

					ices at 0, 2023
Year	Increases in the Total Pension Liability (a)	Decreases in the Total Pension Liability (b)	Amounts Recognized in Pension Expense Through June 30, 2023 (c)	Deferred Outflows of Resources (a) - (c)	Deferred Inflows of Resources (b) - (c)
Prior	\$-	\$-	\$-	\$-	\$-
2014	-	-	-	-	-
2015	-	1,724,947	1,724,947	-	-
2016	7,544,910	-	7,544,910	-	-
2017	-	-	-	-	-
2018	-	2,425,222	2,425,222	-	-
2019	2,692,393	-	2,243,660	448,733	-
2020	-	2,739,147	1,826,100	-	913,047
2021	578,721	-	434,040	144,681	-
2022	-	3,838,350	1,919,176	-	1,919,174
2023	4,051,594	-	1,012,899	3,038,695	-
				\$ 3.632.109	\$ 2.832.221



Projection of Pension Plan's Fiduciary Net Position

	G	ross Normal C	ost	_	Emp	loyee Contrib	utions	_	Em	ployer Norn	nal Co	ost			Expen	ses			Empl	oyer	Contribut	tions	s	_	Premi	um Tax A	Allocat	tion
		(BOY)				(BOY)				(BOY)					(MO	Y)				(MOY)					(MOY)	
Fiscal Year	Current Members	Future Members	Total		Current Members	Future Members	Total		Current Members	Future Member	5	Total	Curi Mem		Futu Memb		٦	Total	Current Members		uture embers		Total		urrent mbers	Future Membe		Total
2023	\$ 1,016,882	\$-	\$ 1,016,882	\$	289,965	\$-	\$ 289,96	65 \$	726,917	\$-	9	\$ 726,917	\$	20	\$	-	\$	20	\$ 720,962	\$	-	\$	720,962	\$	543,977	\$	- :	\$ 543,977
2024	\$ 986,124	\$ 71,930	\$ 1,058,054	\$	257,748	\$ 20,451	\$ 278,19	9 \$	728,376	\$ 51,4	79 \$	\$ 779,855	\$	19	\$	-	\$	19	\$ 718,548	\$	52,876	\$	771,424	\$	641,200	\$	- !	\$ 641,200
2025	\$ 936,954	\$ 151,503	\$ 1,088,457	\$	245,135	\$ 43,025	\$ 288,10	50 \$	691,819	\$ 108,4	78 \$	\$ 800,297	\$	19	\$	1	\$	20	\$ 714,002	\$	111,422	\$	825,424	\$	645,910	\$	- ?	\$ 645,910
2026	\$ 898,533	\$ 256,871	\$ 1,155,404	\$	234,277	\$ 72,901	\$ 307,1	78 \$	664,256	\$ 183,9	70 \$	\$ 848,226	\$	19	\$	2	\$	21	\$ 694,241	\$	188,963	\$	883,204	\$	677,205	\$	- :	\$ 677,205
2027	\$ 895,559	\$ 327,290	\$ 1,222,849	\$	231,806	\$ 92,756	\$ 324,56	62 \$	663,753	\$ 234,5	34 \$	\$ 898,287	\$	19	\$	3	\$	22	\$ 704,128	\$	240,900	\$	945,028	\$	692,887	\$	- :	\$ 692,887
2028	\$ 845,030	\$ 389,921	\$ 1,234,951	\$	219,645	\$ 110,340	\$ 329,98	85 \$	625,385	\$ 279,5	B1 \$	\$ 904,966	\$	19	\$	3	\$	22	\$ 724,010	\$	287,170	\$	1,011,180	\$	708,962	\$	- :	\$ 708,962
2029	\$ 768,654	\$ 517,883	\$ 1,286,537	\$	202,208	\$ 146,528	\$ 348,73	86 \$	566,446	\$ 371,3	55 \$	\$ 937,801	\$	19	\$	4	\$	23	\$ 700,528	\$	381,435	\$	1,081,963	\$	725,438	\$	- !	\$ 725,438
2030	\$ 717,786	\$ 620,300	\$ 1,338,086	\$	191,788	\$ 175,312	\$ 367,10	00 \$	525,998	\$ 444,9	88 \$	\$ 970,986	\$	19	\$	5	\$	24	\$ 700,634	\$	457,066	\$	1,157,700	\$	747,971	\$	- :	\$ 747,971
2031	\$ 656,503	\$ 721,447	\$ 1,377,950	\$	179,055	\$ 203,667	\$ 382,72	2 \$	477,448	\$ 517,7	BO \$	\$ 995,228	\$	19	\$	6	\$	25	\$ 706,905	\$	531,834	\$	1,238,739	\$	767,237	\$	- !	\$ 767,237
2032	\$ 608,943	\$ 834,452	\$ 1,443,395	\$	167,845	\$ 235,372	\$ 403,2	7 \$	441,098	\$ 599,0	80 \$	\$ 1,040,178	\$	19	\$	7	\$	26	\$ 710,110	\$	615,341	\$	1,325,451	\$	790,484	\$	- !	\$ 790,484
2033	\$ 534,169	\$ 926,994	\$ 1,461,163	\$	151,047	\$ 261,139	\$ 412,18	86 \$	383,122	\$ 665,8	55 \$	\$ 1,048,977	\$	19	\$	8	\$	27	\$ 734,304	\$	683,929	\$	1,418,233	\$	808,936	\$	- !	\$ 808,936
2034	\$ 486,922	\$ 1,034,198	\$ 1,521,120	\$	140,489	\$ 291,029	\$ 431,5	8 \$	346,433	\$ 743,1	69 \$	\$ 1,089,602	\$	19	\$	9	\$	28	\$ 754,167	\$	763,342	\$	1,517,509	\$	830,274	\$	- :	\$ 830,274
2035	\$ 489,884	\$ 1,133,193	\$ 1,623,077	\$	140,759	\$ 318,480	\$ 459,23	89 \$	349,125	\$ 814,7	13 \$	\$ 1,163,838	\$	19	\$	10	\$	29	\$ 786,907	\$	836,828	\$	1,623,735	\$	854,252	\$	- :	\$ 854,252
2036	\$ 398,051	\$ 1,211,441	\$ 1,609,492	\$	118,982	\$ 339,899	\$ 458,88	81 \$	279,069	\$ 871,5	42 \$	\$ 1,150,611	\$	19	\$	10	\$	29	\$ 842,197	\$	895,199	\$	1,737,396	\$	877,573	\$	- !	\$ 877,573
2037	\$ 323,526	\$ 1,376,234	\$ 1,699,760	\$	98,844	\$ 386,108	\$ 484,9	52 \$	224,682	\$ 990,1	26 \$	\$ 1,214,808	\$	19	\$	11	\$	30	\$ 842,013	\$1	,017,001	\$	1,859,014	\$	903,508	\$	- !	\$ 903,508
2038	\$ 300,856	\$ 1,496,270	\$ 1,797,126	\$	92,536	\$ 419,325	\$ 511,80	61 \$	208,320	\$ 1,076,9	45 \$	\$ 1,285,265	\$	19	\$	12	\$	31	\$ 882,968	\$1	,106,177	\$	1,989,145	\$	949,683	\$	- !	\$ 949,683
2039	\$ 285,943	\$ 1,591,149	\$ 1,877,092	\$	88,924	\$ 445,192	\$ 534,1	6 \$	197,019	\$ 1,145,9	57 \$	\$ 1,342,976	\$	19	\$	13	\$	32	\$ 951,323	\$1	,177,062	\$	2,128,385	\$	971,996	\$	- :	\$ 971,996
2040	\$ 272,047	\$ 1,695,227	\$ 1,967,274	\$	85,623	\$ 473,600	\$ 559,22	23 \$	186,424	\$ 1,221,6	27 \$	\$ 1,408,051	\$	19	\$	14	\$	33	\$ 1,022,586	\$1	,254,786	\$	2,277,372	\$	994,867	\$	- !	\$ 994,867
2041	\$ 222,704	\$ 1,790,645	\$ 2,013,349	\$	74,960	\$ 499,377	\$ 574,33	87 \$	147,744	\$ 1,291,2	58 \$	\$ 1,439,012	\$	19	\$	15	\$	34	\$ 1,110,470	\$1	,326,318	\$	2,436,788	\$1,	018,309	\$	- !	\$ 1,018,309
2042	\$ 214,359	\$ 1,914,466	\$ 2,128,825	\$	72,288	\$ 533,208	\$ 605,49	96 \$	142,071	\$ 1,381,2	58 \$	\$ 1,523,329	\$	19	\$	16	\$	35	\$ 1,188,613	\$1	,418,750	\$	2,607,363	\$1,	066,181	\$	- !	\$ 1,066,181
2043	\$ 185,698	\$ 2,026,122	\$ 2,211,820	\$	64,042	\$ 563,412	\$ 627,4	54 \$	121,656	\$ 1,462,7	10 \$	\$ 1,584,366	\$	19	\$	17	\$	36	\$ 1,287,465	\$1	,502,413	\$	2,789,878	\$1,	095,640	\$	- !	\$ 1,095,640
2044	\$ 146,849	\$ 2,140,132	\$ 2,286,981	\$	52,525	\$ 595,466	\$ 647,99	91 \$	94,324	\$ 1,544,6	56 \$	\$ 1,638,990	\$	19	\$	18	\$	37	\$ 1,398,575	\$1	,586,594	\$	2,985,169	\$	803,607	\$	- !	\$ 803,607
2045	\$ 122,810	\$ 2,244,423	\$ 2,367,233	\$	44,681	\$ 625,982	\$ 670,66	63 \$	78,129	\$ 1,618,4	41 \$	\$ 1,696,570	\$	19	\$	19	\$	38	\$ 80,269	\$1	,662,371	\$	1,742,640	\$	-	\$	- :	\$-
2046	\$ 103,952	\$ 2,337,732	\$ 2,441,684	\$	38,838	\$ 653,870	\$ 692,70)8 \$	65,114	\$ 1,683,8	62 \$	\$ 1,748,976	\$	19	\$	20	\$	39	\$ 66,900	\$1	,729,568	\$	1,796,468	\$	-	\$	- !	\$-
2047	\$ 91,290	\$ 2,448,155	\$ 2,539,445	\$	34,905	\$ 686,528	\$ 721,43	33 \$	56,385	\$ 1,761,6	27 \$	\$ 1,818,012	\$	19	\$	21	\$	40	\$ 57,934	\$1	,809,444	\$	1,867,378	\$	-	\$	- !	\$-
2048	\$ 81,832	\$ 2,546,289	\$ 2,628,121	\$	31,726	\$ 714,911	\$ 746,63	87 \$	50,106	\$ 1,831,3	78 \$	\$ 1,881,484	\$	19	\$	22	\$	41	\$ 51,484	\$1	,881,089	\$	1,932,573	\$	-	\$	- !	\$-
2049	\$ 67,949	\$ 2,637,476	\$ 2,705,425	\$	26,888	\$ 742,199	\$ 769,08	87 \$	41,061	\$ 1,895,2	77 \$	\$ 1,936,338	\$	19	\$	23	\$	42	\$ 42,194	\$1	,946,723	\$	1,988,917	\$	-	\$	- :	\$-
2050	\$ 58,890	\$ 2,731,736	\$ 2,790,626	\$	23,690	\$ 770,980	\$ 794,6	70 \$	35,200	\$ 1,960,7	56 \$	\$ 1,995,956	\$	19	\$	24	\$	43	\$ 36,174	\$ 2	,013,979	\$	2,050,153	\$	-	\$	- !	\$-
2051	\$ 40,531	\$ 2,836,472	\$ 2,877,003	\$	16,568	\$ 802,287	\$ 818,8	5 \$	23,963	\$ 2,034,1	85 \$	\$ 2,058,148	\$	19	\$	25	\$	44	\$ 24,632	\$ 2	,089,401	\$	2,114,033	\$	-	\$	- ?	\$-
2052	\$ 15,290	\$ 2,949,996	\$ 2,965,286	\$	6,328	\$ 835,992	\$ 842,32	20 \$	8,962	\$ 2,114,0	04 \$	\$ 2,122,966	\$	19	\$	26	\$	45	\$ 9,224	\$ 2	,171,387	\$	2,180,611	\$	-	\$	- ?	\$-
2053	\$ 2,953	\$ 3,065,268	\$ 3,068,221	\$	1,207	\$ 869,472	\$ 870,6	'9 \$	1,746	\$ 2,195,7	96 \$	\$ 2,197,542	\$	19	\$	28	\$	47	\$ 1,813	\$ 2	,255,400	\$	2,257,213	\$	-	\$	- ?	\$-
2054	\$ 1,219	\$ 3,171,030	\$ 3,172,249	\$	500	\$ 899,747	\$ 900,24	17 \$	719	\$ 2,271,2	83 \$	\$ 2,272,002	\$	19	\$	29	\$	48	\$ 758	\$ 2	,332,936	\$	2,333,694	\$	-	\$	- ?	\$-
2055	\$ 480	\$ 3,284,267	\$ 3,284,747	\$	198	\$ 932,258	\$ 932,4	56 \$	282	\$ 2,352,0	09 \$	\$ 2,352,291	\$	19	\$	30	\$	49	\$ 308	\$ 2	,415,854	\$	2,416,162	\$	-	\$	- ?	\$-
2056	\$ 112	\$ 3,407,417	\$ 3,407,529	\$	47	\$ 967,259	\$ 967,30	6\$	65	\$ 2,440,1	58 \$	\$ 2,440,223	\$	19	\$	32	\$	51	\$ 86	\$ 2	,506,396	\$	2,506,482	\$	-	\$	- ?	\$-
2057	\$-	\$ 3,505,959	\$ 3,505,959	\$	-	\$ 995,864	\$ 995,86	64 \$	-	\$ 2,510,0	95 \$	\$ 2,510,095	\$	19	\$	33	\$	52	\$ 18	\$ 2			2,578,250	\$	-	\$	- :	\$-
2058	\$ -	\$ 3,621,951	\$ 3,621,951	\$	-	\$ 1,029,765	\$ 1,029,76	65 \$	-	\$ 2,592,1	86 \$	\$ 2,592,186	\$	19			\$	53	\$ 18	\$ 2	,662,551	\$	2,662,569	\$	-	\$	- :	\$-
2059	\$ -	\$ 3,756,402	\$ 3,756,402	\$	-	\$ 1,067,826	\$ 1,067,82	26 \$	-	\$ 2,688,5	76 \$	\$ 2,688,576	\$	19	\$	35	\$	54	\$ 20	\$ 2	,761,557	\$	2,761,577	\$	-	\$	- :	\$-
2060	\$-	\$ 3,894,869	\$ 3,894,869	\$	-	\$ 1,106,609	\$ 1,106,60	9 \$	-	\$ 2,788,2	50 \$	\$ 2,788,260	\$	19	\$		\$	55	\$ 19	\$ 2	,863,947	\$	2,863,966	\$	-	\$	- :	\$-
2061	\$ -	\$ 4,034,279	\$ 4,034,279	\$	-	\$ 1,145,465	\$ 1,145,46	65 \$	-	\$ 2,888,8	14 \$	\$ 2,888,814	\$	19	\$	37	\$	56	\$ 19	\$ 2	,967,230	\$	2,967,249	\$	-	\$	- :	\$-
2062	\$-	\$ 4,177,027	\$ 4,177,027	\$	-	\$ 1,185,290	\$ 1,185,29	90 \$	-	\$ 2,991,7		\$ 2,991,737	\$		\$		\$	57	\$	•			3,072,966	\$	-	\$	- :	\$-
2063	\$ -	\$ 4,333,675	\$ 4,333,675	\$	-	\$ 1,229,181	\$ 1,229,18	81 \$	-	\$ 3,104,4	94 \$	\$ 3,104,494	\$	18	\$	40	\$	58	\$ 18	\$3	,188,765	\$	3,188,783	\$	-	\$	- :	\$-



Projection of Pension Plan's Fiduciary Net Position

		Actu	arial Accrued Liability (BOY)						Cl	osed	Group Asset Projecti	on		
Fiscal Year	Cı	urrent Members	Future Members		Total	Fi	duciary Net Position (BOY)	Funded Ratio (BOY)		Projected EEC Contributions (MOY)	Pro	ojected ER Contrib + Premium Tax (MOY)	Projected BP (MOY)	Projected Admin Expenses (MOY)	Projected Investment Earnings
2023	\$	42,337,968	\$-	\$	42,337,968	\$	26,974,092	63.71%	\$	289,965	\$	1,264,939	\$ 1,940,233	\$ 20	\$ 2,694,052
2024	\$	43,746,491	\$-	\$	43,746,491	\$	29,282,795	66.94%	\$	264,741	\$	1,359,748	\$ 1,905,042	\$ 19	\$ 1,602,941
2025	\$	45,236,179	\$ 74,837	\$	45,311,016	\$	30,605,164	67.66%	\$	251,786	\$	1,359,912	\$ 1,966,865	\$ 19	\$ 1,673,647
2026	\$	46,692,425	\$ 234,781	\$	46,927,206	\$	31,923,625	68.37%	\$	240,633	\$	1,371,446	\$ 2,267,987	\$ 19	\$ 1,738,003
2027	\$	47,878,939	\$ 509,375	\$	48,388,314	\$	33,005,701	68.94%	\$	238,095	\$	1,397,015	\$ 2,097,576	\$ 19	\$ 1,802,765
2028	\$	49,302,608	\$ 866,218	\$	50,168,826	\$	34,345,980	69.66%	\$	225,604	\$	1,432,972	\$ 2,768,395	\$ 19	\$ 1,858,917
2029	\$	50,062,251	\$ 1,300,797	\$	51,363,048	\$	35,095,060	70.10%	\$	207,694	\$	1,425,966	\$ 2,458,792	\$ 19	\$ 1,907,840
2030	\$	51,101,101	\$ 1,885,174	\$	52,986,275	\$	36,177,749	70.80%	\$	196,992	\$	1,448,605	\$ 2,951,843	\$ 19	\$ 1,954,335
2031	\$	51,636,994	\$ 2,598,172	\$	54,235,166	\$	36,825,819	71.32%	\$	183,913	\$	1,474,142	\$ 2,546,853	\$ 19	\$ 2,001,305
2032	\$	52,553,685	\$ 3,443,639	\$	55,997,324	\$	37,938,306	72.19%	\$	172,399	\$	1,500,594	\$ 2,559,229	\$ 19	\$ 2,062,561
2033	\$	53,457,907	\$ 4,438,579	\$	57,896,486	\$	39,114,612	73.17%	\$	155,145	\$	1,543,240	\$ 3,557,661	\$ 19	\$ 2,100,857
2034	\$	53,307,453	\$ 5,569,536	\$	58,876,989	\$	39,356,174	73.83%	\$	144,301	\$	1,584,441	\$ 3,375,514	\$ 19	\$ 2,119,909
2035	\$	53,285,967	\$ 6,858,622	\$	60,144,589	\$	39,829,293	74.75%	\$	144,578	\$	1,641,159	\$ 3,110,295	\$ 19	\$ 2,154,673
2036	\$	53,538,840	\$ 8,303,783	\$	61,842,623	\$	40,659,389	75.94%	\$	122,210	\$	1,719,770	\$ 3,587,683	\$ 19	\$ 2,188,902
2037	\$	53,218,396	\$ 9,889,901	\$	63,108,297	\$	41,102,569	77.23%	\$	101,526	\$	1,745,521	\$ 3,405,168	\$ 19	\$ 2,218,366
2038	\$	52,989,171	\$ 11,713,090	\$	64,702,261	\$	41,762,795	78.81%	\$	95,047	\$	1,832,651	\$ 3,426,505	\$ 19	\$ 2,256,288
2039	\$	52,701,506	\$ 13,739,733	\$	66,441,239	\$	42,520,258	80.68%	\$	91,337	\$	1,923,319	\$ 3,265,847	\$ 19	\$ 2,304,666
2040	\$	52,547,303	\$ 15,953,268	\$	68,500,571	\$	43,573,714	82.92%	\$	87,946	\$	2,017,453	\$ 3,237,816	\$ 19	\$ 2,365,829
2041	\$	52,398,750	\$ 18,371,790	\$	70,770,540	\$	44,807,107	85.51%	\$	76,994	\$	2,128,779	\$ 4,197,497	\$ 19	\$ 2,410,351
2042	\$	51,204,251			72,199,310	\$	45,225,715	88.32%	s	74,249		2,254,794			
2043	ŝ	50,431,086			74,294,757	\$	46,289,797	91.79%	s	65,780		2,383,105			
2044	\$	49,850,937			76,828,920	\$	47,801,274	95.89%	s	53,950		2,202,182		•	1 1 1 1 1
2045	\$	49,037,979			79,385,708	\$	49,037,985	100.00%	ŝ	45,893		80,269			
2046	s	48,239,510			82,201,397	\$	48,239,516	100.00%	ŝ	39,892		66,900			
2047	\$	47,384,372			85,200,144	\$	47,384,379	100.00%	ŝ	35,852		57,934			
2048	\$	46,424,588			88,359,874	\$	46,424,595	100.00%	\$	32,587		51,484			
2040	s	45,326,230			91.484.442	\$	45,326,237	100.00%	s S	27,618		42.194			
2049	\$ \$	44,080,894			94,584,735	\$	44,080,902	100.00%	φ \$	24,333		36,174	• • • • • • • •		
2051	s	42,923,838			97,906,129	\$	42,923,846	100.00%	ŝ	17.018		24.632			
2052	\$ \$	41,586,331			101,292,410	\$	41,586,340	100.00%	φ \$	6,500		9,224			
2052	\$ \$	40,339,874			105,039,301	\$	40,339,884	100.00%	φ \$	1,240		1,813			
2054	s S	38.860.046			108,509,544	\$	38,860,057	100.00%	ş Ş	514		758			
2055	э \$	37,426,521			112,158,454	э \$	37,426,533	100.00%	ې S	203		308			
2056	\$ \$	35,961,774			115,928,777	\$ \$	35,961,787	100.00% 100.00%	\$ \$	48		86			
2057		34,200,535			119,615,228	•	34,200,549		+	-	\$	18			
2058	\$	32,444,219			123,369,385	\$	32,444,233	100.00%	\$	-	\$	18			
2059	\$	30,874,644			127,326,348	\$	30,874,658	100.00%	\$	-	\$	20			
2060	\$	29,297,539			131,430,439	\$	29,297,555	100.00%	\$	-	\$	19			
2061	\$	27,712,776			135,808,175	\$	27,712,793	100.00%	\$	-	\$	19			
2062	\$	26,121,703			140,186,496	\$	26,121,721	100.00%	\$	-	\$	19			
2063	\$	24,528,084	\$ 120,108,572	\$	144,636,656	\$	24,528,103	100.00%	\$	-	\$	18	\$ 2,864,252	\$ 18	\$ 1,271,333



Projection of Pension Plan's Fiduciary Net Position

				Calcula	ation of Single Equ	ivalent Rate			
scal Year	"Fund	ded" Portion of BP	"Unfunded" Port BP	tion of	PV of "Funded" E	3P PV c	of "Unfunded" BP	PV	of BP Using a Single DR
2023	\$	1,940,233	\$	-	\$1,888	,981 \$	-	\$	1,888,98
2024	\$	1,905,042	\$		\$ 1,758		-	\$	1,758,02
2025	\$	1,966,865	\$	-	\$ 1,720	,455 \$	-	\$	1,720,45
2026	\$	2,267,987	\$		\$ 1,880		-	\$	1,880,42
2027	\$	2,097,576	\$	-	\$ 1,648	,472 \$	-	\$	1,648,47
2028	\$	2,768,395	\$	-	\$ 2,062	,242 \$	-	\$	2,062,24
2029	\$	2,458,792	\$	-	\$ 1,736		-	\$	1,736,12
2030	\$	2,951,843	\$		\$ 1,975		-	\$	1,975,60
2031	\$	2,546,853	\$		\$ 1,615		-	\$	1,615,69
2032	\$	2,559,229	\$		\$ 1,538		-	\$	1,538,90
2033	\$	3,557,661	\$		\$ 2,027		-	\$	2,027,74
2034	\$	3,375,514	\$		\$		_	\$	1,823,63
2035	\$	3,110,295	\$		\$		_	\$	1,592,74
2036	\$	3,587,683	\$		\$		-	\$	1,741,42
2037	\$	3,405,168	\$		\$ 1,566		-	\$	1,566,67
2037	ֆ \$		\$ \$				-	φ \$	
	ֆ \$	3,426,505	\$ \$				-	φ \$	1,494,30
2039		3,265,847			\$ 1,349 \$ 1,269		-		1,349,98
2040	\$	3,237,816	\$		\$ 1,268 \$ 1,558		-	\$	1,268,62
2041	\$	4,197,497	\$		\$ 1,558 \$ 1,007		-	\$	1,558,90
2042	\$	3,714,759	\$		\$ 1,307		-	\$	1,307,69
2043	\$	3,456,002	\$		\$ 1,153		-	\$	1,153,18
2044	\$	3,611,693	\$		\$ 1,142		-	\$	1,142,30
2045	\$	3,529,364	\$		\$ 1,058		-	\$	1,058,07
2046	\$	3,522,411	\$		\$ 1,000		-	\$	1,000,93
2047	\$	3,565,497	\$,362 \$	-	\$	960,36
2048	\$	3,639,302	\$,138 \$	-	\$	929,13
2049	\$	3,709,324	\$	-	\$ 897	,645 \$	-	\$	897,64
2050	\$	3,547,387	\$	-	\$813	,703 \$	-	\$	813,70
2051	\$	3,642,257	\$	-	\$ 791	,909 \$	-	\$	791,90
2052	\$	3,456,066	\$	-	\$ 712	,253 \$	-	\$	712,25
2053	\$	3,603,857	\$	-	\$ 703	,992 \$	-	\$	703,99
2054	\$	3,477,755	\$	-	\$ 643	,942 \$	-	\$	643,94
2055	\$	3,430,632	\$	-	\$ 602	,101 \$	-	\$	602,10
2056	\$	3,640,481	\$	-	\$ 605	,622 \$	-	\$	605,62
2057	\$	3,541,264	\$	-	\$ 558	,404 \$	-	\$	558,40
2058	\$	3,265,410	\$,062 \$	-	\$	488,06
2059	\$	3,188,695	\$		\$ 451	,750 \$	-	\$	451,75
2060	\$	3,111,701	\$		\$ 417	,860 \$	-	\$	417,86
2061	\$	3,032,985	\$		\$ 386		-	\$	386,05
2062	\$	2,950,266	\$		\$ 355		-	\$	355,95
2063	\$	2,864,252	\$,557 \$		\$	327,55