

GASB68 Actuarial Information for the Measurement Period Ending 06/30/2019



Submitted by:

James Ritchie, ASA, EA, FCA, MAAA Senior Consulting Actuary 443.573.3924 jritchie@boltonusa.com

Jordan McClane, FSA, EA, MAAA Actuary 667.218.6935 jmcclane@boltonusa.com



December 10, 2019

Mr. Brian Blankenship Finance Director City of Princeton 100 Courthouse Road Princeton, WV 24740 Lieutenant Tim Gray
Pension Board Secretary
City of Princeton, West Virginia
Policemen's Pension and Relief Fund

Re: City of Princeton, West Virginia Policemen's Pension and Relief Fund - GASB68 Actuarial Information for the Measurement Period Ending June 30, 2019

Dear Brian,

The following report contains the GASB 67 and GASB 68 actuarial information for the City of Princeton Policemen's Pension and Relief Fund to be included in the City's financial statements for FY2019. The GASB67 information has been provided as of June 30, 2019 (the GASB 68 measurement date for FY2019).

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, 2019 (the City's fiscal year end date) as required by GASB68. 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, 2018 actuarial valuation rolled forward to June 30, 2019. The methods, assumptions, and participant data used are detailed in the July 1, 2018 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 GASB67. The calculation of the Actuarially Determined Contribution for the fiscal year ended June 30, 2019 is contained in the July 1, 2017 actuarial valuation report.

The included calculations are based on a blended discount rate of 5.00%. The plan's expected gross rate of investment return of 5.0% has been blended with the 3.13% 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, 2019. The development of the blended discount rate is included within this report.

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.) The long-term nominal expected rate of return is based on the fund's current funding ratio, liquidity ratio, equity exposure and expected funded status in 15 years.

Mr. Brian Blankenship December 10, 2019 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 those assumptions; these differences may be significant or material because these 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 oversight 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. This 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. These calculations are complex. Despite our best efforts, we may make a mistake. 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.



Mr. Brian Blankenship December 10, 2019 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 GASB68. 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, 2018 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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Actuarial Information to Include in the Financial Statements for the June 30, 2019 Measurement Date



Net Pension Liability of the Employer

The components of the net pension liability of the Employer at June 30, 2019, were as follows:

Total pension liability	\$ 12,884,435
Plan fiduciary net position	 (4,466,263)
Employer's net pension liability	\$ 8,418,172
Plan fiduciary net position as a percentage of the total pension liability	34.66%

Actuarial assumptions. The total pension liability was determined by an actuarial valuation as of July 1, 2018 rolled forward to June 30, 2019 using the following actuarial assumptions, applied to all periods included in the measurement:

Inflation 2.75 percent

Salary increases Rates vary by years of service

Single discount rate (BOY) 5.5000% Single discount rate (EOY) 5.0000%

Investment rate of return 5.00 percent, net of pension plan investment expense, including inflation

Long-term municpal bond rate (BOY) 3.62% Long-term municpal bond rate (EOY) 3.13%

Mortality RP-2014 Blue Collar Mortality Table with generational projection using Scale MP-2014

Year Fund is projected to be fully funded 2060 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, 2018 actuarial valuation report.

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

	1% Decrease 4.00%		Current discount Rate 5.00%	1'	% Increase 6.00%
Employer's net pension liability	\$ 10,551,93	3 \$	8,418,172	\$	6,729,445

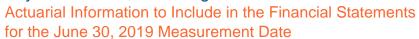
City of Princeton, West Virginia Policemen's Pension and Relief Fund Actuarial Information to Include in the Financial Statements for the June 30, 2019 Measurement Date



Changes in the Net Pension Liability

	lı	ncrease (Decrease)
	Total Pension Liability (a)	Plan Fiduciary Net Position (b)	Net Pension Liability (a) - (b)
Balances at 6/30/18	\$ 11,168,638	\$ 4,367,431	\$ 6,801,207
Changes for the year:			
Service cost	450,914		450,914
Interest	598,080		598,080
Changes of benefit terms	-		-
Differences between expected and actual experience	360,077		360,077
Changes of assumptions	895,619		895,619
Contributions - employer (including Premium Tax Allocation)		429,816	(429,816)
Contributions - member		102,746	(102,746)
Net investment income*		155,367	(155,367)
Benefit payments, including refunds of member contributions	(588,893)	(588,893)	-
Administrative expense		(24)	24
Other		(180)	180
Net Changes	1,715,797	98,832	1,616,965
Balances at 6/30/19	\$ 12,884,435	\$ 4,466,263	\$ 8,418,172
Return on Investments		3.6%	

^{*} The Plan Fiduciary Net Position as of July 1, 2018 provided to Bolton by the City does not match the Plan Fiduciary Net Position as of June 30, 2018 as provided in the prior GASB report. The difference of \$85,240.27 has been excluded as investment income for the measurement period ending June 30, 2019.





Components of Employer's Pension Expense for the Fiscal Year Ended June 30, 2019

Note	Description	Amount
Α	Service Cost	\$ 450,914
В	Interest on the total pension liability	598,080
Α	Changes of benefit terms	-
С	Differences between expected and actual experience	(170,038)
С	Changes of assumptions	389,625
Α	Employee contributions	(102,746)
D	Projected earnings on pension plan investments	(216,959)
С	Differences between expected and actual earnings on	86,180
۸	plan investments	0.4
Α	Pension plan administrative expense	24
A	Other changes in fiduciary net position	180
	Total Pension Expense	\$ 1,035,260

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)	Projected Rate of Return (c)	E	rojected arnings x (b) x (c)
Beginning total pension liability	\$	11,168,638	100%	5.50%	\$	614,275
Service Cost (End of Year)		450,914	0%	5.50%		-
Benefit payments, including refunds of employee contributions		(588,893)	50%	5.50%		(16,195)
Total interest on the total pension liability					\$	598,080

C Provided in the Schedules of Deferrals.

D Based on the following calculation:

	A	mount for	Portion of	Projected	P	rojected
		Period	Period	Rate of Return	E	arnings
		(a)	(b)	(c)	(a)	x (b) x (c)
Beginning plan fiduciary net position	\$	4,367,431	100%	5.00%	\$	218,372
Employer contributions		429,816	50%	5.00%		10,745
Employee contributions		102,746	50%	5.00%		2,569
Benefit payments, including refunds of employee contributions		(588,893)	50%	5.00%		(14,722)
Administrative expense and other		(204)	50%	5.00%		(5)
Total Projected Earnings					\$	216,959





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

At June 30, 2019, 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	\$ 319,263	\$ 750,407
Changes of assumptions	2,238,626	1,650,787
Net difference between projected and actual earnings	95,723	
on pension plan investments		-
Total	\$ 2,653,612	\$ 2,401,194

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:	
2020	\$ 286,132
2021	248,078
2022	(298,790)
2023	(120,754)
2024	137,752
Thereafter	-

Actuarial Information to Include in the Financial Statements for the June 30, 2019 Measurement Date

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



Total pension liability		2019		2018		2017		2016		2015		2014		2013		2012		2011		2010
Service cost	\$	450,914	\$	422,417	\$	536,890	\$	271,757	\$	237,821	\$	216,080	\$	-	\$	-	\$	-	\$	-
Interest		598,080		570,241		512,106		572,905		550,980		551,456		-		-		-		-
Changes of benefit terms		-		-		-		-		-		-		-		-		-		-
Differences between expected and actual experience		360,077		(166,623)		(1,151,572)		54,627		(188,795)		-		-		-		-		-
Changes of assumptions		895,619		(797,790)		(2,073,963)		4,245,789		-		-		-		-		-		-
Benefit payments, including refunds of member contributions		(588,893)		(439,700)		(491,271)		(510,173)		(479,794)		(499,192)		-		-		-		-
Net change in total pension liability		1,715,797		(411,455)		(2,667,810)		4,634,905		120,212		268,344		-		-		-		-
Total pension liability - beginning		11,168,638		11,580,093		14,247,903		9,612,998		9,492,786		9,224,442		-		-		-		-
Total pension liability - ending (a)	\$	12,884,435	\$	11,168,638	\$	11,580,093	\$	14,247,903	\$	9,612,998	\$	9,492,786	\$	•	\$	•	\$	-	\$	
Plan fiduciary net position		2019		2018		2017		2016		2015		2014		2013		2012		2011		2010
Contributions - employer (including Premium Tax Allocation)	\$	429.816	\$	414.154	\$	380,690	\$	550,085	\$	173,527	\$	367.187	\$	-	\$	-	\$	-	\$	
Contributions - member	•	102,746	•	88,524	•	80,332	•	76,114	•	71,592	•	68,439	•	-	•	-	•	-	•	-
Net investment income*		155.367		126,728		358.532		(82,353)		92.071		412,241		-		-		-		-
Benefit payments, including refunds of member contributions		(588,893)		(439,700)		(491,271)		(510,173)		(479,794)		(499,192)		-		-		-		-
Administrative expense		(24)		(180)		(180)		(180)		(308)		(232)		-		-		-		-
Other		(180)		2		-		5,755		-		4		-		-		-		-
Net change in plan fiduciary net position	\$	98,832	\$	189,528	\$	328,103	\$	39,248	\$	(142,912)	\$	348,447	\$		\$	-	\$	-	\$	-
Plan fiduciary net position - beginning		4,367,431		4,177,903		3,849,800		3,810,552		3,947,819		3,605,017		-		-		-		-
Plan fiduciary net position - ending (b)	\$	4,466,263	\$	4,367,431	\$	4,177,903	\$	3,849,800	\$	3,804,907	\$	3,953,464	\$	-	\$	-	\$	-	\$	-
Employer's net pension liability - ending (a)-(b)	\$	8,418,172	\$	6,801,207	\$	7,402,190	\$	10,398,103	\$	5,808,091	\$	5,539,322	\$	-	\$	-	\$		\$	-
Plan fiduciary net position as a percentage of the total pension liability		34.66%		39.10%		36.08%		27.02%		39.58%		41.65%		0.00%		0.00%		0.00%		0.00%
Covered payroll	\$	1,034,188	\$	933,350	\$	901,229	\$	927,966	\$	781,090	\$	730,141	\$	-	\$	-	\$	-	\$	-
Employer's net pension liability as a percentage of covered payroll		813.99%		728.69%		821.34%		1120.53%		743.59%		758.66%		0.00%		0.00%		0.00%		0.00%
Expected average remaining service years of all participants		6.00		6.48		6.38		6.17		5.76		-				•				

Notes to Schedule:

Benefit changes: There were no changes for FY2019.

Changes of assumptions: The discount rate changed from 5.5000% to 5.0000%.

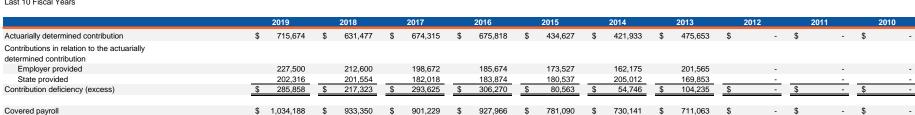
^{*} The Plan Fiduciary Net Position as of July 1, 2018 provided to Bolton by the City does not match the Plan Fiduciary Net Position as of June 30, 2018 as provided in the prior GASB report. The difference of \$85,240.27 has been excluded as investment income for the measurement period ending June 30, 2019.

Actuarial Information to Include in the Financial Statements

for the June 30, 2019 Measurement Date

Schedule of Employer Contributions

Last 10 Fiscal Years



39.82%

45.33%

50.29%

52.23% N/A

42.24%

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.

44.37%

41.56%

Methods and assumptions used to determine contribution rates:

Contributions as a percentage of covered employee payroll

Actuarial cost method Entry Age Normal Amortization method Level Dollar Remaining amortization period 32.5 years Asset valuation method Market Value Inflation 2.75 percent

Salary increases Rates vary by years of service

Investment rate of return 5.00 percent, 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, 2019 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 Projected and Actual Earnings on Pension Plan Investments \$ 137.749		between Projected and Actual Earnings on Pension Plan Investments		Recognition Period (Years)	2015	2016	2017	2018	2019	2020		20	21	2022	2023
2015	\$	137,749	5	\$ 27,550	27,550	27,550	27,550	27,549								
2016		314,634	5		\$ 62,927	62,927	62,927	62,927	62	2,926						
2017		(166,803)	5			\$ (33,361)	(33,361)	(33,361)	(3:	3,361)		(33,359)				
2018		83,737	5				\$ 16,747	16,747	10	6,747		16,747	16,749			
2019		61,592	5					\$ 12,318	1:	2,318		12,318	12,318	12,320		
let increa	se (dec	rease) in pension	expense					\$ 86,180	\$ 58	8,630	\$	(4,294)	\$ 29,067	\$ 12,320		

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	Investment Earning Less than Projecte (a)		Investment Earnings Greater Than Projected (b)	Amounts Recognized in Pension Expense Through June 30, 2019 (c)	O R	Deferred Outflows of Resources (a) - (c)		Deferred Inflows of Resources (b) - (c)
2015	\$	137,749	\$ -	\$ 137,749	\$	-	\$	-
2016		314,634	-	251,708		62,926		-
2017		-	166,803	100,083		-		66,720
2018		83,737	-	33,494		50,243		-
2019		61,592	-	12,318		49,274		-
		·			\$	162,443	\$	66,720

Actuarial Information to Include in the Financial Statements for the June 30, 2019 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.

Year	Differences between Expected and Actual Experience	Recognition Period (Years)	Prior	2014	Increase 2015	e (Decrease) in	Pension Expens 2017	e Arising from t 2018		ognition o	f Differences be 2020	tween Expected	l and Actual Exp 2022	erience 2023	20	24	Thereafter
Prior	\$ -		\$ -	-	-	-	-	-		-	-	-	-	-		-	-
2015	(188,795)	5.758612			\$ (32,785)	(32,785)	(32,785)	(32,785)		(32,785)	(24,870)						
2016	54,627	6.167813				\$ 8,857	8,857	8,857		8,857	8,857	8,857	1,485				
2017	(1,151,572)	6.383004					\$ (180,412)	(180,412)	((180,412)	(180,412)	(180,412)	(180,412)	(69,100)			
2018	(166,623)	6.480654						\$ (25,711)		(25,711)	(25,711)	(25,711)	(25,711)	(25,711)	(12,357)	-
2019	360,077	6							\$	60,013	60,013	60,013	60,013	60,013	\$	50,012	-
Net increa	se (decrease) in p	ension expense							\$ ((170,038)	\$ (162,123)	\$ (137,253)	\$ (144,625)	\$ (34,798)	\$ 4	17,655	\$ -

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

					Balan June 3		
Year	perience Losses (a)	Experience Gains (b)	nounts Recognized in sion Expense Through June 30, 2019 (c)	Ot Re	Deferred atflows of esources (a) - (c)	In Re	eferred flows of esources (b) - (c)
Prior	\$	\$ -	\$	\$	-	\$	-
2015	-	188,795	163,925		-		24,870
2016	54,627	-	35,428		19,199		-
2017	-	1,151,572	541,236		-		610,336
2018	-	166,623	51,422		-		115,201
2019	360,077	-	60,013		300,064		-
				\$	319,263	\$	750,407

Actuarial Information to Include in the Financial Statements for the June 30, 2019 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				Increa	se (Decrease) in	Pensi	ion Expens	se Ari	ising from t	he E	ffects of Ch	anges	s of Assum	ptio	ıs				
Year	Changes of Assumptions	Period (Years)	Prior	2014	2015	2016	2017		2018		2019		2020		2021		2022	2023	2024	Thereaf	ter
Prior	\$ -		\$ -	-	-	-	-		-		-				-		-	-	-		-
2015	-	5.758612			\$ -	-	-		-		-		-								
2016	4,245,789	6.167813				\$ 688,378	688,378		688,378		688,378		688,378		688,378		115,521				
2017	(2,073,963)	6.383004					\$ (324,920)		(324,920)		(324,920)		(324,920)		(324,920)		(324,920)	(124,443)			
2018	(797,790)	6.480654						\$	(123,103)		(123,103)		(123,103)		(123,103)		(123,103)	(123,103)	(59,172)		-
2019	895,619	6								\$	149,270		149,270		149,270		149,270	149,270	\$ 149,269		
Net increa	se (decrease) in pe	ension expense								\$	389,625	\$	389,625	\$	389,625	\$	(183,232)	\$ (98,276)	\$ 90,097	\$	-

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

						Balan June 3		
Year	Total Lia	ses in the Pension bility (a)	Decreases in the Total Pension Liability (b)	ounts Recognized in sion Expense Through June 30, 2019 (c)	Outfl	erred lows of ources - (c)	In Re	deferred flows of desources (b) - (c)
Prior	\$	-	\$ -	\$ -	\$	-	\$	-
2015		-	-	-		-		-
2016	4,2	245,789	-	2,753,512	1,4	192,277		-
2017		-	2,073,963	974,760		-		1,099,203
2018		-	797,790	246,206		-		551,584
2019	8	395,619	-	149,270	7	746,349		-
					\$ 2,2	238,626	\$	1,650,787

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

Actuarial Information to Include in the Financial Statement for the June 30, 2019 Measurement Date

Projection of Pension Plan's Fiduciary Net Position



	Gross Normal Cost (BOY)							Empl		Contrib	ution	s	Em	ployer No	rmal	Cost	(BOY)	Expenses				(MOY)	E	nployer Con	tribu	ıtions	(MOY)	Premium Tax Allocation			(MOY)		
Fiscal Year		rrent nbers	Futi		Total		Curre Memb			uture embers		Total		Current lembers		Future lembers	Total		ırrent mbers		uture mbers		Total		Current Members		uture embers	Total	Current Members		iture nbers	т	otal
2019	\$ 4	129,442	\$	-	\$ 429,4	42	\$ 88	3,042	\$	-	\$	88,042	\$	341,400	\$	-	\$ 341,400	\$	3,579	\$	-	\$	3,579	\$	227,460	\$	-	\$ 227,460	\$ 202,316	\$	-	\$ 2	202,316
2020	\$ 4	31,015	\$ 2	4,480	\$ 455,4	95	\$ 88	3,537	\$	5,182	\$	93,719	\$	342,478	\$	19,298	\$ 361,776	\$	3,779	\$	-	\$	3,779	\$	223,607	\$	19,775	\$ 243,382	\$ 224,450	\$	-	\$ 2	224,450
2021	\$ 4	132,193	\$ 5	1,488	\$ 483,6	81	\$ 88	3,793	\$	10,905	\$	99,698	\$	343,400	\$	40,583	\$ 383,983	\$	3,689	\$	194	\$	3,883	\$	218,640	\$	41,779	\$ 260,419	\$ 229,767	\$	-	\$ 2	229,767
2022	\$ 4	135,180	\$ 7	8,057	\$ 513,2	37	\$ 89	,354	\$	16,541	\$	105,895	\$	345,826	\$	61,516	\$ 407,342	\$	3,790	\$	297	\$	4,087	\$	215,316	\$	63,332	\$ 278,648	\$ 235,846	\$	-	\$ 2	235,846
2023	\$ 4	135,041	\$ 10	3,655	\$ 538,6	96	\$ 89	,617	\$	21,978	\$	111,595	\$	345,424	\$	81,677	\$ 427,101	\$	3,894	\$	305	\$	4,199	\$	214,154	\$	83,999	\$ 298,153	\$ 242,092	\$	-	\$ 2	242,092
2024	\$ 4	131,680	\$ 13	4,444	\$ 566,1	24	\$ 89	,538	\$	28,525	\$	118,063	\$	342,142	\$	105,919	\$ 448,061	\$	3,896	\$	418	\$	4,314	\$	210,071	\$	108,953	\$ 319,024	\$ 248,509	\$	-	\$ 2	248,509
2025	\$ 4	132,020	\$ 16	4,884	\$ 596,9	04	\$ 90	0,080	\$	35,003	\$	125,083	\$	341,940	\$	129,881	\$ 471,821	\$	3,895	\$	538	\$	4,433	\$	207,730	\$	133,626	\$ 341,356	\$ 257,799	\$	-	\$ 2	257,799
2026	\$ 4	136,521	\$ 19	3,564	\$ 630,0	85	\$ 91	,312	\$	41,112	\$	132,424	\$	345,209	\$	152,452	\$ 497,661	\$	3,891	\$	664	\$	4,555	\$	208,370	\$	156,881	\$ 365,251	\$ 264,638	\$	-	\$ 2	264,638
2027	\$ 4	142,495	\$ 22	0,991	\$ 663,4	86	\$ 92	2,830	\$	46,957	\$	139,787	\$	349,665	\$	174,034	\$ 523,699	\$	3,998	\$	682	\$	4,680	\$	211,805	\$	179,014	\$ 390,819	\$ 271,665	\$	-	\$ 2	271,665
2028	\$ 4	147,236	\$ 24	8,817	\$ 696,0	153	\$ 94	,234	\$	52,893	\$	147,127	\$	353,002	\$	195,924	\$ 548,926	\$	3,991	\$	818	\$	4,809	\$	216,596	\$	201,580	\$ 418,176	\$ 278,885	\$	-	\$ 2	278,885
2029	\$ 4	152,931	\$ 27	8,034	\$ 730,9	65	\$ 95	,707	\$	59,128	\$	154,835	\$	357,224	\$	218,906	\$ 576,130	\$	4,101	\$	840	\$	4,941	\$	222,296	\$	225,152	\$ 447,448	\$ 287,327	\$	-	\$ 2	287,327
2030	\$ 4	156,721	\$ 31	3,891	\$ 770,6	12	\$ 96	,926	\$	66,787	\$	163,713	\$	359,795	\$	247,104	\$ 606,899	\$	4,090	\$	987	\$	5,077	\$	224,576	\$	254,193	\$ 478,769	\$ 294,975	\$	-	\$ 2	294,975
2031	\$ 4	166,532	\$ 34	6,374	\$ 812,9	06	\$ 99	,179	\$	73,728	\$	172,907	\$	367,353	\$	272,646	\$ 639,999	\$	4,202	\$	1,015	\$	5,217	\$	231,889	\$	280,394	\$ 512,283	\$ 302,834	\$	-	\$ 3	302,834
2032	\$ 4	170,482	\$ 37	8,432	\$ 848,9	14	\$ 100	,601	\$	80,578	\$	181,179	\$	369,881	\$	297,854	\$ 667,735	\$	4,187	\$	1,173	\$	5,360	\$	241,760	\$	306,383	\$ 548,143	\$ 310,909	\$	-	\$ 3	310,909
2033	\$ 4	172,299	\$ 41	9,363	\$ 891,6	62	\$ 101	,716	\$	89,334	\$	191,050	\$	370,583	\$	330,029	\$ 700,612	\$	4,302	\$	1,205	\$	5,507	\$	247,129	\$	339,384	\$ 586,513	\$ 319,205	\$	-	\$ 3	319,205
2034	\$ 4	173,802	\$ 45	7,382	\$ 931,1	84	\$ 102	,561	\$	97,469	\$	200,030	\$	371,241	\$	359,913	\$ 731,154	\$	4,282	\$	1,376	\$	5,658	\$	257,392	\$	370,177	\$ 627,569	\$ 338,103	\$	-	\$ 3	338,103
2035	\$ 4	155,654	\$ 50	1,872	\$ 957,5	26	\$ 99	,685	\$	106,994	\$	206,679	\$	355,969	\$	394,878	\$ 750,847	\$	4,400	\$	1,552	\$	5,952	\$	265,317	\$	406,182	\$ 671,499	\$ 347,120	\$	-	\$ 3	347,120
2036	\$ 4	103,740	\$ 56	3,517	\$ 967,2	57	\$ 90	,381	\$	120,205	\$	210,586	\$	313,359	\$	443,312	\$ 756,671	\$	4,521	\$	1,595	\$	6,116	\$	262,649	\$	455,855	\$ 718,504	\$ 356,385	\$	-	\$ 3	356,385
2037	\$ 3	392,588	\$ 63	1,746	\$ 1,024,3	34	\$ 88	3,665	\$	134,836	\$	223,501	\$	303,923	\$	496,910	\$ 800,833	\$	4,495	\$	1,935	\$	6,430	\$	257,683	\$	511,116	\$ 768,799	\$ 365,905	\$	-	\$ 3	365,905
2038	\$ 3	358,024	\$ 69	3,586	\$ 1,051,6	10	\$ 82	,139	\$	148,096	\$	230,235	\$	275,885	\$	545,490	\$ 821,375	\$	4,465	\$	2,142	\$	6,607	\$	261,512	\$	561,103	\$ 822,615	\$ 375,687	\$	-	\$ 3	375,687
2039	\$ 3	303,102	\$ 77	3,847	\$ 1,076,9	149	\$ 70	,948	\$	165,320	\$	236,268	\$	232,154	\$	608,527	\$ 840,681	\$	4,588	\$	2,355	\$	6,943	\$	254,288	\$	625,910	\$ 880,198	\$ 390,206	\$	-	\$ 3	390,206
2040	\$ 2	257,535	\$ 85	8,452	\$ 1,115,9	87	\$ 61	,375	\$	183,483	\$	244,858	\$	196,160	\$	674,969	\$ 871,129	\$	4,552	\$	2,582	\$	7,134	\$	247,593	\$	694,219	\$ 941,812	\$ 400,648	\$	-	\$ 4	400,648
2041	\$ 2	21,920	\$ 93	1,788	\$ 1,153,7	80	\$ 53	3,526	\$	199,246	\$	252,772	\$	168,394	\$	732,542	\$ 900,936	\$	4,844	\$	2,649		7,493	\$	254,458	\$	753,281	\$ 1,007,739	\$ 411,376	\$	-	\$ 4	411,376
2042	\$ 1	83,683	\$ 1,00	9,284	\$ 1,192,9	67	\$ 44	,909	\$	215,952	\$	260,861	\$	138,774	\$	793,332	\$ 932,106	\$	4,806	\$	2,893	\$	7,699	\$	262,465	\$	815,816	\$ 1,078,281	\$ 422,400	\$	-	\$ 4	122,400
2043		55,211	\$ 1,08	0,203	\$ 1,235,4	14	\$ 38	3,567	\$	231,281	\$	269,848	\$	116,644	\$,-	\$ 965,566	\$, -		3,321	\$	8,083	\$,	•	873,207	\$ 1,153,761	\$ 444,122	\$	-	\$ 4	144,122
2044	\$ 1	31,014	\$ 1,15	0,809	\$ 1,281,8	23	\$ 33	3,090	\$	246,559	\$	279,649	\$	97,924	\$	904,250	\$ 1,002,174	\$	4,893	\$	3,412	\$	8,305	\$	304,531	\$	929,993	\$ 1,234,524	\$ 456,031	\$	-	\$ 4	456,031
2045	\$ 1	,	\$ 1,21	- ,	\$ 1,319,6		\$ 26	3,381	\$	260,691	\$	287,072	\$	77,227	\$,	1,032,576	\$		\$	3,692		8,533	\$		•	982,633	\$ 1,320,941	\$ 468,267	\$	-		468,267
2046	\$	71,861	\$ 1,29	0,707	\$ 1,362,5	68	\$ 18	3,198	\$	276,870	\$	295,068	\$	53,663	\$	1,013,837	\$ 1,067,500	\$	4,783	\$	4,171	\$	8,954	\$	370,362	\$ 1	,043,045	\$ 1,413,407	\$ 480,840	\$	-	\$ 4	480,840
2047			\$ 1,36		\$ 1,412,8		\$ 12	2,490	•	292,701	\$	305,191	\$	36,589	\$		1,107,632	\$		\$	4,285		9,200	\$,101,777	1,512,345	\$ 527,896		-		527,896
2048	\$	32,694	\$ 1,43	3,792	\$ 1,466,4	86	\$ 8	3,449	\$	307,885	\$	316,334	\$	24,245	\$	1,125,907	\$ 1,150,152	\$	4,848	\$	4,605		9,453	\$	459,893	\$ 1	,158,316	\$ 1,618,209	\$ 542,075	\$	-	\$ 5	542,075
2049			\$ 1,50		\$ 1,525,6		\$ 5	,639		323,120		328,759	\$	15,965		1,180,975		\$		•	4,939		9,713	\$,215,078	1,731,484	\$ 556,643		-		556,643
2050		- ,	\$ 1,57	,	\$ 1,590,0			,018	•	338,414		342,432	\$	11,347		,	1,247,628	\$	4,905	\$	5,075		9,980	\$,	•	,271,886	1,852,688	\$ 571,612		-		571,612
2051	\$	9,412	\$ 1,64	5,159	\$ 1,654,5	71	\$ 2	,482	\$	353,682	\$	356,164	\$	6,930	\$	1,291,477	\$ 1,298,407	\$		\$	5,647	\$	10,468	\$	653,359	\$ 1	,329,017	\$ 1,982,376	\$ 847,462	\$	-	\$ 8	347,462
2052	\$	-,	\$ 1,71		\$ 1,723,2			,658	•	369,255		370,913	\$	4,581		, , , ,	1,352,378	\$,	\$	5,802		10,756	\$. ,	•	,386,883	2,121,142	\$ 870,440		-		370,440
2053	\$	3,629	\$ 1,79	1,179	\$ 1,794,8	808	\$	979	\$	385,301	\$	386,280	\$	2,650	\$	1,405,878	\$ 1,408,528	\$	4,859	\$	5,967		10,826	\$	823,059	\$ 1	,446,563	\$ 2,269,622	\$ 894,050	\$	-	\$ 8	394,050
2054	\$	2,435			\$ 1,871,3		\$			402,118		402,775	\$	1,778		1,466,797		\$			6,369		11,124	\$,509,389	2,428,496	\$ 918,310		-		918,310
2055	\$	626			\$ 1,949,4		\$	156	•	419,403		419,559	\$	470			1,529,894	\$	4,886	\$	6,544		11,430	\$, . , .	•	,573,737	2,598,491	\$ 943,236		-		943,236
2056	\$	-	\$ 2,03		\$ 2,031,3		\$	-		437,255		437,255	\$	-		1,594,134		\$	4,769		6,975		11,744	\$,640,476	2,780,385	\$ 2,295,739		-		295,739
2057	\$	-	\$ 2,11	-,	\$ 2,115,4		\$	-	\$	455,430		455,430	\$	-		,,	1,659,988	\$,	\$	7,167		12,067	\$, ,	•	,708,149	2,975,012	\$ 2,359,412		-		359,412
2058	\$	-	\$ 2,19		\$ 2,198,0		\$	-	•	473,328		473,328	\$	-			1,724,764	\$	4,770	\$	7,629		12,399	\$,774,986	3,183,263	\$ 2,424,836		-		124,836
2059	\$	-	\$ 2,28	0,730	\$ 2,280,7	30	\$	-	\$	491,212	\$	491,212	\$	-	\$	1,789,518	\$ 1,789,518	\$	4,629	\$	8,111	\$	12,740	\$	1,564,270	\$ 1	,841,821	\$ 3,406,091	\$ 2,492,059	\$	-	\$ 2,4	192,059

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

for the June 30, 2019 Measurement Date

Projection of Pension Plan's Fiduciary Net Position



		Actı	ıaria	al Accrued Liability (B	OY)						Cl	ose	ed Group Asset Projecti	on				
Fiscal Year	Curr	ent Members		Future Members		Total	Fic	luciary Net Position (boy)	Funded Ratio (boy)		Projected EEC Contributions (moy)	Pi	rojected ER Contrib + Premium Tax (moy)		Projected BP (moy)	Projected Admin Expenses (moy)	Proj	ected Investment Earnings
2019	\$	12,416,320	\$		\$	12,416,320	\$	4,367,431	35.17%	\$	90,216	\$	429,776	\$	601,652	\$ 3,579	\$	216,267
2020	\$	12,871,060	\$	-	\$	12,871,060	\$	4,498,459	34.95%	\$	90,723	\$	448,057	\$	575,224	\$ 3,779	\$	223,930
2021	\$	13,377,750	\$	25,553	\$	13,403,303	\$	4,682,166	35.00%	\$	90,986	\$	448,407	\$	589,290	\$ 3,689	\$	232,785
2022	\$	13,896,598	\$	80,339	\$	13,976,937	\$	4,861,365	34.98%	\$	91,561	\$	451,162	\$	601,290	\$ 3,790	\$	241,528
2023	\$	14,432,228		165,114		14,597,342	\$	5,040,536	34.93%	\$	91,830				617,590			250,214
2024	\$	14,977,791	\$	280,102		15,257,893	\$	5,217,342	34.83%	\$	91,749				637,334			258,622
2025	\$	15,526,872		431,931		15,958,803	\$	5,385,063	34.68%	\$	92,305				651,770			266,837
2026	\$	16,088,971		621,768		16,710,739	\$	5,554,069	34.52%	\$	93,567				663,769			275,207
2027	\$	16,671,606		849,373		17,520,979	\$	5,728,191	34.36%	\$	95,122				676,171			283,901
2028	\$	17,276,937		1,115,179		18,392,116	\$	5,910,515	34.21%	\$	96,561				688,620			293,042
2029	\$	17,904,756		1,421,522		19,326,278	\$	6,102,988	34.09%	\$	98,070				704,172			302,666
2030	\$	18,554,010		1,771,890		20,325,900	\$	6,305,074	33.98%	\$	99,320				720,823			312,635
2031	\$	19,222,644		2,175,278		21,397,922	\$	6,511,667	33.87%	\$	101,628				731,740			323,124
2032	\$	19,923,824		2,630,438	\$	22,554,262	\$	6,735,200	33.80%	\$	103,085				754,635		\$	334,215
2033	\$	20,640,751	\$	3,139,169	\$	23,779,920	\$	6,966,347	33.75%	\$	104,228	\$	566,334	\$	778,159			345,554
2034	\$	21,371,327	\$	3,713,151	\$	25,084,478	\$	7,200,002	33.69%	\$	105,094	\$	595,495	\$	797,837	\$ 4,282	\$	357,493
2035	\$	22,119,846	\$	4,352,130	\$	26,471,976	\$	7,455,965	33.71%	\$	102,147	\$	612,437	\$	849,967	\$ 4,400	\$	369,346
2036	\$	22,833,318	\$	5,065,593	\$	27,898,911	\$	7,685,529	33.66%	\$	92,613	\$	619,034	\$	932,769	\$ 4,521	\$	378,704
2037	\$	23,443,107	\$	5,874,620	\$	29,317,727	\$	7,838,590	33.44%	\$	90,855	\$	623,588	\$	962,415	\$ 4,495	\$	385,695
2038	\$	24,041,298	\$	6,790,108	\$	30,831,406	\$	7,971,818	33.16%	\$	84,167	\$	637,199	\$	1,032,029	\$ 4,465	\$	390,809
2039	\$	24,561,773	\$	7,809,997	\$	32,371,770	\$	8,047,499	32.76%	\$	72,700	\$	644,494	\$	1,136,642	\$ 4,588	\$	391,903
2040	\$	24,943,407	\$	8,958,059	\$	33,901,466	\$	8,015,366	32.13%	\$	62,891	\$	648,241	\$	1,216,354	\$ 4,552	\$	388,179
2041	\$	25,214,597	\$	10,246,569	\$	35,461,166	\$	7,893,771	31.31%	\$	54,848	\$	665,834	\$	1,296,688	\$ 4,844	\$	380,344
2042	\$	25,379,633	\$	11,666,201	\$	37,045,834	\$	7,693,265	30.31%	\$	46,018	\$	684,865	\$	1,366,553	\$ 4,806	\$	368,847
2043	\$	25,441,182	\$	13,214,976	\$	38,656,158	\$	7,421,635	29.17%	\$	39,519	\$	724,676	\$	1,421,063	\$ 4,762	\$	354,743
2044	\$	25,420,056	\$	14,874,277	\$	40,294,333	\$	7,114,748	27.99%	\$	33,907	\$	760,562	\$	1,460,940	\$ 4,893	\$	339,158
2045	\$	25,331,605	\$	16,637,276	\$	41,968,881	\$	6,782,543	26.78%	\$	27,032	\$	806,575	\$	1,525,302	\$ 4,841	\$	321,926
2046	\$	25,144,004	\$	18,496,041	\$	43,640,045	\$	6,407,932	25.48%	\$	18,647	\$	851,202	\$	1,584,241	\$ 4,783	\$	302,637
2047	\$	24,853,294	\$	20,457,750	\$	45,311,044	\$	5,991,394	24.11%	\$	12,798	\$	938,464	\$	1,617,469	\$ 4,915	\$	282,996
2048	\$	24,490,079	\$	22,518,681	\$	47,008,760	\$	5,603,268	22.88%	\$	8,658	\$	1,001,968	\$	1,636,237	\$ 4,848	\$	264,594
2049	\$	24,072,268	\$	24,676,504	\$	48,748,772	\$	5,237,402	21.76%	\$	5,778	\$	1,073,049	\$	1,643,078	\$ 4,774	\$	247,818
2050	\$	23,614,912	\$	26,934,679	\$	50,549,591	\$	4,916,195	20.82%	\$	4,117	\$	1,152,414	\$	1,639,292	\$ 4,905	\$	233,767
2051	\$	23,132,016	\$	29,297,866	\$	52,429,882	\$	4,662,296	20.16%	\$	2,543	\$	1,500,821	\$	1,633,223	\$ 4,821	\$	229,789
2052	\$	22,624,944	\$	31,768,128	\$	54,393,072	\$	4,757,405	21.03%	\$	1,699	\$	1,604,699	\$	1,620,476	\$ 4,954	\$	237,400
2053	\$	22,102,248	\$	34,348,182	\$	56,450,430	\$	4,975,773	22.51%	\$	1,003	\$	1,717,109	\$	1,605,575	\$ 4,859	\$	251,448
2054	\$	21,565,946	\$	37,043,736	\$	58,609,682	\$	5,334,899	24.74%	\$	673	\$	1,837,417	\$	1,586,887	\$ 4,755	\$	272,831
2055	\$	21,020,725	\$	39,863,180	\$	60,883,905	\$	5,854,178	27.85%	\$	160	\$	1,967,990	\$	1,568,511	\$ 4,886	\$	302,457
2056	\$	20,465,173	\$	42,813,114	\$	63,278,287	\$	6,551,388	32.01%	\$	-	\$	3,435,648	\$	1,546,739	\$ 4,769	\$	374,098
2057	\$	19,903,496	\$	45,899,770	\$	65,803,266	\$	8,809,626	44.26%	\$	-	\$	3,626,275	\$	1,522,982	\$ 4,900	\$	492,301
2058	\$	19,338,079	\$	49,125,386	\$	68,463,465	\$	11,400,320	58.95%	\$	-	\$	3,833,113	\$	1,498,596	\$ 4,770	\$	627,549
2059	\$	18,769,379	\$	52,481,639	\$	71,251,018	\$	14,357,616	76.49%	\$	-	\$	4,056,329	\$	1,473,582	\$ 4,629	\$	781,548
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City of Princeton, West Virginia Policemen's Pension and Relief Fund Actuarial Information to Include in the Financial Statements for the June 30, 2019 Measurement Date



Projection of Pension Plan's Fiduciary Net Position

	Calculation of Single Equivalent Rate														
iscal Year	"Funde	d" Portion of BP	"Unfunded" Portion of BP		PV of "Funded" BP	PV of	"Unfunded" BP	PV of	BP Using a Sing DR						
2019	\$	601,652	\$ -	\$	587,152	\$	-	\$	601,65						
2020	\$	575,224	\$ -	\$	534,630	\$	_	\$	575,22						
2021	\$	589,290	\$ -	\$	521,622	\$	_	\$	589,29						
2022	\$	601,290	\$ -	\$	506,899	\$	_	\$	601,29						
2023	\$	617,590	\$ -	\$	495,848	\$	-	\$	617,59						
2024	\$	637,334	\$ -	\$	487,333	\$	-	\$	637,33						
2025	\$	651,770	\$ -	\$	474,640	\$	-	\$	651,77						
2026	\$	663,769	\$ -	\$	460,360	\$	-	\$	663,76						
2027	\$	676,171	\$ -	\$	446,630	\$	-	\$	676,17						
2028	\$	688,620	\$ -	\$	433,193	\$	-	\$	688,62						
2029	\$	704,172	\$ -	\$	421,882	\$	-	\$	704,17						
2030	\$	720,823	\$ -	\$	411,293	\$	-	\$	720,82						
2031	\$	731,740	\$ -	\$	397,640	\$	-	\$	731,74						
2032	\$	754,635	\$ -	\$	390,554	\$	-	\$	754,63						
2033	\$	778,159	\$ -	\$	383,551	\$	_	\$	778,15						
2034	\$	797,837	\$ -	\$	374,524	\$	_	\$	797,83						
2035	\$	849,967	\$ -	\$	379,996	\$	_	\$	849,96						
2036	\$	932,769	\$ -	\$	397,156	\$	_	\$	932,70						
2037	\$	962,415	\$ -	\$	390,266	\$	_	\$	962,4						
2038	\$	1,032,029	\$ -	\$	398,566	\$	_	\$	1,032,0						
2039	\$	1,136,642	\$ -	\$	418,064	\$	_	\$	1,136,6						
2040	\$	1,216,354	\$ -	\$	426,079	\$	_	\$	1,216,3						
2041	\$	1,296,688	\$ -	\$	432,590	\$	_	\$	1,296,68						
2042	\$	1,366,553	\$ -	\$	434,188	\$	_	\$	1,366,5						
2043	\$	1,421,063	\$ -	\$	430,007	\$	_	\$	1,421,06						
2044	\$	1,460,940	\$ -	\$	421,022	\$	<u>-</u>	\$	1,460,94						
2045	\$	1,525,302	\$ -	\$	418,639	\$	_	\$	1,525,3						
2046	\$	1,584,241	\$ -	\$	414,110	\$	_	\$	1,584,2						
2047	\$	1,617,469	\$ -	\$	402,662	\$	_	\$	1,617,46						
2048	\$	1,636,237	\$ -	\$	387,938	\$	_	\$	1,636,23						
2049	\$	1,643,078	\$ -	\$	371,009	\$	_	\$	1,643,07						
2050	\$	1,639,292	\$ -	\$	352,528	\$	<u>-</u>	\$	1,639,29						
2051	\$	1,633,223	\$ -	\$	334,498	\$	-	\$	1,633,23						
2052	\$	1,620,476	\$ -	\$	316,083	\$	_	\$	1,620,47						
2053	\$	1,605,575	\$ -	\$	298,263	\$	-	\$	1,605,5						
2054	\$	1,586,887	\$ -	\$	280,754	\$	_	\$	1,586,88						
2055	\$	1,568,511	\$ -	\$	264,288	\$	-	\$	1,568,5						
2056		1,546,739		\$	248,209	\$	-	\$	1,546,73						
2056	\$ ¢		\$ - \$		232,759	\$ \$	-		1,546,73						
	\$ ¢	1,522,982	\$ - ¢	\$			-	\$ ¢							
2058	\$ \$	1,498,596 1,473,582	\$ - \$	\$ \$	218,126 204,271	\$ \$	-	\$ \$	1,498,59 1,473,58						