



City of Dover, Delaware Police Pension Plan

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

Bolton

Submitted by:

Tom Vicente, FSA, EA
Senior Consulting Actuary
443.573.3918
tvicente@boltonusa.com

Jordan McClane, FSA, EA, FCA, MAAA
Consulting Actuary
667.218.6935
jmclane@boltonusa.com



Employee Benefits, Actuarial & Investment Consulting

January 12, 2024
Ms. Lori Peddicord
Controller/Treasurer
City of Dover
5 E Reed Street
Dover, DE 19901

Re: City of Dover, Delaware Police Pension Plan – GASB 68 Actuarial Information for the Measurement Period Ending June 30, 2023

Dear Lori,

The following report contains the GASB 67 actuarial information to be included with the plan's financial statements for the plan year ended June 30, 2023 and the GASB 68 actuarial information to be included with the City's financial statements for the fiscal year ending June 30, 2023. The GASB 68 information has been provided as of the June 30, 2023 measurement date for FY 2023.

Methodology, Reliance, and Certification

This report is prepared for the internal use of the City and its auditors in connection with our actuarial valuations of the pension plan as required by GASB 68. The purpose of this report is to provide the GASB 67 actuarial information for use in the plan's financial statements for the plan year ending June 30, 2023 and the GASB 68 information for use in the City's financial statements for the fiscal year ending June 30, 2023. It is neither intended nor necessarily suitable for other purposes. Bolton is not responsible for the consequences of any other use or the reliance upon this report by any other party.

These calculations are applicable for the valuation date only. This valuation does not provide any guarantee that the plan will be able to provide the promised benefits in the future.

The total pension liability is based on the July 1, 2022 actuarial valuation rolled forward to June 30, 2023. Our understanding is that there have been no additional substantial changes affecting the liabilities or assets of the plan since July 1, 2022 that would cause our estimates of the June 30, 2023 liabilities to not reasonably reflect the condition of the plan. The methods, assumptions, and participant data used are detailed in the July 1, 2022 actuarial valuation. The calculation of the Actuarially Determined Contribution for the fiscal year ended June 30, 2023 is contained in the July 1, 2021 actuarial valuation report.

Our calculations assume that the members and the City will continue to make all required actuarially determined contributions (ADCs). The level of plan assets, the expected future ADCs and employee contributions, and the expected future investment earnings are expected to be sufficient to cover all expected future benefits and expenses. Thus, these GASB results were developed using the long-term investment return assumption..

The long-term nominal expected rate of return on pension plan investments was determined using a building-block method where return expectations are established for each asset class. The building-block approach uses the current underlying fundamentals, not historical returns. For example, spread and the risk-free rate are used for fixed income; and dividends, earnings growth and valuation are used for equity.

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. We have not audited the census data provided; however, based on our review, the data appears to be reasonable and consistent with previously provided information. Unless otherwise noted in our report, we believe the information provided is sufficiently complete and reliable for purposes of the results presented in this report. The accuracy of the results presented in this report is dependent upon the accuracy and completeness of the underlying information. The City is solely responsible for the validity and completeness of this information.

The City is responsible for selecting the plan's funding policy, actuarial valuation methods, asset valuation methods, and assumptions; although for this valuation we are using the Entry Age Normal method, as prescribed by GASB 67 and 68. The policies, methods and assumptions used in this valuation are those that have been so prescribed and are described in this report. The City is solely responsible for communicating to Bolton any changes required thereto.

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. 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.

Different assumptions or scenarios within the range of possibilities may also be reasonable and results based on those assumptions would be different. As a result of the uncertainty inherent in a forward-looking projection over a very long period of time, no one projection is uniquely "correct" and many alternative projections of the future could also be regarded as reasonable. Two different actuaries could, quite reasonably, arrive at different results based on the same data and different views of the future.

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.

In addition, decisions regarding benefit improvements, benefit changes, the trust's investment policy, and similar issues should not be based on this valuation. These issues are complex and other factors should be considered when making such decisions. Other factors might include the anticipated vitality of the local economy and future growth expectations, as well as other economic and financial factors.

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.

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 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.

Because the long-term net impact of COVID-19 on mortality and changes in turnover and retirement behavior is difficult to predict at this time, we have not made any adjustments to the assumptions for the potential impact of the COVID-19 pandemic.

The calculations in this report 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.

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.

Bolton does not practice law and, therefore, cannot and does not provide legal advice. Any statutory interpretation on which this report is based reflects Bolton's understanding as an actuarial firm. Bolton recommends that recipients of this report consult with legal counsel when making any decisions regarding compliance with ERISA, the Internal Revenue Code, or any other statute or regulation.

The City should notify Bolton promptly after receipt of this report if the City disagrees with anything contained in the report or is aware of any information that would affect the results of the report that has not been communicated to Bolton or incorporated herein. The report will be deemed final and acceptable to the City unless the City promptly provides such notice to Bolton.

The undersigned credentialed actuaries meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein. We are not aware of any direct or material indirect financial interest or relationship, including investments or other services, which could create a conflict of interest that would impair the objectivity of our work.

Sincerely,



Tom Vicente, FSA, EA



Jordan McClane, FSA, EA, FCA, MAAA



City of Dover, Delaware Police Pension Plan

Actuarial Information to Include in the Financial Statements for the June 30, 2023 Measurement Date

Net Pension Liability of the City

The components of the net pension liability of the City at June 30, 2023, were as follows:

Total pension liability	\$ 16,807,646
Plan fiduciary net position	(15,053,250)
City's net pension liability	<u>\$ 1,754,396</u>
Plan fiduciary net position as a percentage of the total pension liability	89.56%

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	2.35%
Salary increases	N/A
Investment rate of return	6.5%, net of pension plan investment expense, including inflation
Mortality	- <u>Healthy retirees</u> : Pub-2010 Safety Retirees Amount-Weighted Mortality Table with generational projection from the 2010 base year using Scale MP-2021 - <u>Disabled retirees</u> : Pub-2010 Safety Disabled Retirees Amount-Weighted Mortality Table with generational projection from the 2010 base year using Scale MP-2021 - <u>Beneficiaries</u> : Pub-2010 Contingent Survivors Amount-Weighted Mortality Table with generational projection from the 2010 base year using Scale MP-2021

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.

City of Dover, Delaware Police Pension Plan

Actuarial Information to Include in the Financial Statements for the June 30, 2023 Measurement Date

Long-term expected rate of return

The long-term expected rate of return on pension plan investments was determined using a building-block method in which best-estimate ranges of future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. The target allocation and best estimates of arithmetic real rates for each major asset class are summarized in the following table.

Asset Class	Target Allocation	Long-Term Expected Real Rate of Return
US Cash	7.0%	0.68%
US Short (1-3 Yr) Government/Credit Bonds	6.0%	1.39%
US Interim (1-10 Yr) BBB Corporate Bonds	4.0%	2.92%
US TIPS (Inflation-Indexed Bonds)	7.0%	1.71%
US Interim (1-10 Yr) Government/Credit Bonds	5.0%	1.77%
US Long (11-30 Yr) BBB Corporate Bonds	2.5%	3.54%
US Long (11-30 Yr) Government/Credit Bonds	2.5%	2.73%
US High Yield Bonds	6.0%	3.93%
US Long STRIPS (20+ Yrs)	0.0%	4.25%
US Broad Value Equity	7.0%	4.46%
US Broad Growth Equity	3.5%	4.74%
US Large & Mid Cap Growth Equity	3.5%	4.64%
US Mid Cap Equity	3.5%	5.20%
US Mid Cap Value Equity	3.5%	4.75%
US Small Cap Value Equity	2.0%	5.74%
US Small Cap Growth Equity	3.0%	6.78%
Global REITs	3.0%	7.02%
Infrastructure - Public	6.0%	5.57%
Global Equity	7.0%	5.30%
Foreign Equity	7.0%	6.04%
Emerging Markets Equity	11.0%	8.73%
Total	100.0%	

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

	1% Decrease 5.50%	Current Discount Rate 6.50%	1% Increase 7.50%
City's net pension liability	\$ 3,224,351	\$ 1,754,396	\$ 483,015

City of Dover, Delaware Police Pension Plan
 Actuarial Information to Include in the Financial Statements
 for the June 30, 2023 Measurement Date

Changes in the Net Pension Liability

	Total Pension Liability (a)	Increase (Decrease) Plan Fiduciary Net Position (b)	Net Pension Liability (a) - (b)
Balances at 6/30/22	\$ 17,552,192	\$ 14,803,746	\$ 2,748,446
Changes for the year:			
Service cost	-		-
Interest	1,091,919		1,091,919
Changes of benefit terms	-		-
Differences between expected and actual experience	(329,618)		(329,618)
Changes of assumptions	-		-
Contributions - employer		770,825	(770,825)
Contributions - member		-	-
Net investment income		989,896	(989,896)
Benefit payments, including refunds of member contributions	(1,506,847)	(1,506,847)	-
Administrative expense		(4,370)	4,370
Other		-	-
Net Changes	<u>(744,546)</u>	<u>249,504</u>	<u>(994,050)</u>
Balances at 6/30/23	<u>\$ 16,807,646</u>	<u>\$ 15,053,250</u>	<u>\$ 1,754,396</u>

City of Dover, Delaware Police Pension Plan

Actuarial Information to Include in the Financial Statements for the June 30, 2023 Measurement Date

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

Note	Description	Amount
A	Service cost	\$ -
B	Interest on the total pension liability	1,091,919
A	Changes of benefit terms	-
C	Differences between expected and actual experience	(329,618)
C	Changes of assumptions	-
A	Employee contributions	-
D	Projected earnings on pension plan investments	(938,180)
C	Differences between expected and actual earnings on plan investments	230,681
A	Pension plan administrative expense	4,370
A	Other changes in fiduciary net position	-
Total Pension Expense		\$ 59,172

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)	Projected Earnings (a) x (b) x (c)
Beginning total pension liability	\$ 17,552,192	100%	6.50%	\$ 1,140,892
Service cost (end of year)	-	0%	6.50%	-
Benefit payments, including refunds of employee contributions	(1,506,847)	50%	6.50%	(48,973)
Total interest on the total pension liability				\$ 1,091,919

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	\$ 14,803,746	100%	6.50%	\$ 962,243
Employer contributions	770,825	50%	6.50%	25,052
Employee contributions	-	50%	6.50%	-
Benefit payments, including refunds of employee contributions	(1,506,847)	50%	6.50%	(48,973)
Administrative expense and other	(4,370)	50%	6.50%	(142)
Total Projected Earnings				\$ 938,180

City of Dover, Delaware Police Pension Plan

Actuarial Information to Include in the Financial Statements for the June 30, 2023 Measurement Date

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

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

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience	\$ -	\$ -
Changes of assumptions	-	-
Net difference between projected and actual earnings on pension plan investments	1,031,969	-
Total	\$ 1,031,969	\$ -

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	\$ 216,646
2025	121,923
2026	703,744
2027	(10,344)
2028	-
Thereafter	-

City of Dover, Delaware Police Pension Plan
Actuarial Information to Include in the Financial Statements
for the June 30, 2023 Measurement Date

Changes in the City's Net Pension Liability and Related Ratios
Last 10 Fiscal Years (Dollar amounts in thousands)

Total pension liability	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Service cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest	1,092	1,130	1,162	1,134	1,173	1,197	1,211	1,281	1,311	
Changes of benefit terms	-	-	-	-	-	-	-	-	-	-
Differences between expected and actual experience	(330)	(246)	-	207	(157)	-	-	(836)	286	
Changes of assumptions	-	48	(134)	633	(88)	(44)	116	-	932	
Benefit payments, including refunds of member contributions	(1,507)	(1,517)	(1,534)	(1,537)	(1,517)	(1,541)	(1,528)	(1,528)	(1,558)	
Net change in total pension liability	(745)	(586)	(506)	436	(590)	(388)	(202)	(1,083)	972	
Total pension liability - beginning	17,552	18,138	18,644	18,208	18,798	19,186	19,388	20,471	19,499	
Total pension liability - ending (a)	\$ 16,808	\$ 17,552	\$ 18,138	\$ 18,644	\$ 18,208	\$ 18,798	\$ 19,186	\$ 19,388	\$ 20,471	
Plan fiduciary net position	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Contributions - employer	\$ 771	\$ 1,287	\$ 988	\$ 1,033	\$ 1,097	\$ 1,295	\$ 1,118	\$ 1,093	\$ 1,386	
Contributions - member	-	-	-	-	-	-	-	-	-	
Net investment income	990	(2,442)	3,816	439	820	908	1,433	279	283	
Benefit payments, including refunds of member contributions	(1,507)	(1,517)	(1,534)	(1,537)	(1,517)	(1,541)	(1,528)	(1,528)	(1,558)	
Administrative expense	(4)	(12)	(7)	(5)	(5)	(5)	(5)	(5)	(6)	
Other	-	-	-	-	-	-	-	-	-	
Net change in plan fiduciary net position	\$ 250	\$ (2,684)	\$ 3,263	\$ (70)	\$ 394	\$ 657	\$ 1,018	\$ (160)	\$ 105	
Plan fiduciary net position - beginning	14,804	17,488	14,225	14,295	13,900	13,243	12,225	12,385	12,279	
Plan fiduciary net position - ending (b)	<u>\$ 15,053</u>	<u>\$ 14,804</u>	<u>\$ 17,488</u>	<u>\$ 14,225</u>	<u>\$ 14,295</u>	<u>\$ 13,900</u>	<u>\$ 13,243</u>	<u>\$ 12,225</u>	<u>\$ 12,385</u>	
City's net pension liability - ending (a)-(b)	<u>\$ 1,754</u>	<u>\$ 2,748</u>	<u>\$ 650</u>	<u>\$ 4,419</u>	<u>\$ 3,913</u>	<u>\$ 4,897</u>	<u>\$ 5,943</u>	<u>\$ 7,163</u>	<u>\$ 8,086</u>	
Plan fiduciary net position as a percentage of the total pension liability	89.56%	84.34%	96.42%	76.30%	78.51%	73.95%	69.03%	63.05%	60.50%	
Covered payroll	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
City's net pension liability as a percentage of covered payroll	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Expected average remaining service years of all participants	-	-	-	-	-	-	-	-	-	

City of Dover, Delaware Police Pension Plan
Actuarial Information to Include in the Financial Statements
for the June 30, 2023 Measurement Date

Schedule of City Contributions
Last 10 Fiscal Years (Dollar amounts in thousands)

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Actuarially determined contribution	\$ -	\$ 1,115	\$ 935	\$ 965	\$ 1,050	\$ 1,205	\$ 1,176	\$ 1,212	\$ 1,176	\$ 1,155
Contributions in relation to the actuarially determined contribution	771	1,287	988	1,033	1,097	1,295	1,118	1,093	1,386	1,229
Contribution deficiency (excess)	\$ (771)	\$ (172)	\$ (53)	\$ (69)	\$ (47)	\$ (90)	\$ 58	\$ 119	\$ (209)	\$ (74)
Covered payroll	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Contributions as a percentage of covered employee payroll	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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. The assumptions shown below are those used in the July 1, 2021 actuarial valuation to calculate the FY 2023 ADC. Assumptions used to determine contributions in the past may not have been the same.

Methods and assumptions used to determine contribution rates:

Actuarial cost method	Entry Age
Amortization method	Level Dollar
Remaining amortization period	N/A; plan projected to be in surplus position as of July 1, 2022
Asset valuation method	Market Value
Inflation	2.5%
Salary increases	N/A
COLA for members in receipt of benefits	2.0%
Investment rate of return	6.5%, net of pension plan investment expense, including inflation
Retirement age	N/A
Mortality	<u>Healthy retirees</u> : Pub-2010 Safety Retirees Amount-Weighted Mortality Table with generational projection from the 2010 base year using Scale MP-2020 <u>Disabled retirees</u> : Pub-2010 Safety Disabled Retirees Amount-Weighted Mortality Table with generational projection from the 2010 base year using Scale MP-2020 <u>Beneficiaries</u> : Pub-2010 Contingent Survivors Amount-Weighted Mortality Table with generational projection from the 2010 base year using Scale MP-2020

City of Dover, Delaware Police Pension Plan
Actuarial Information to Include in the Financial Statements
for the June 30, 2023 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.

Increase (Decrease) in Pension Expense Arising from the Recognition of Differences between Projected and Actual Earnings on Plan Investments											
Year	Differences between Projected and Actual Earnings on Pension Plan Investments	Recognition Period (Years)	2019	2020	2021	2022	2023	2024	2025	2026	2027
Prior*			\$ 74,761	(39,298)	(141,583)	(11,157)					
2019	70,157	5	\$ 14,031	14,031	14,031	14,031	14,033				
2020	473,633	5		\$ 94,727	94,727	94,727	94,727	94,725			
2021	(2,909,118)	5			\$ (581,824)	(581,824)	(581,824)	(581,824)	(581,822)		
2022	3,570,439	5				\$ 714,088	714,088	714,088	714,088	714,087	
2023	(51,716)	5					\$ (10,343)	(10,343)	(10,343)	(10,343)	(10,344)
Net increase (decrease) in pension expense			<u>\$ 88,792</u>	<u>\$ 69,460</u>	<u>\$ (614,649)</u>	<u>\$ 229,865</u>	<u>\$ 230,681</u>	<u>\$ 216,646</u>	<u>\$ 121,923</u>	<u>\$ 703,744</u>	<u>\$ (10,344)</u>

*This 'Prior' line may contain multiple amortization layers. Amounts presented in this row represent the sum of the applicable amortization amounts for bases that were established prior to the first year presented in this column. They have been included in this row so that the correct sum is displayed for the recognition columns representing years prior to the year ending on the measurement date.

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

Year	Investment Earnings Less than Projected (a)	Investment Earnings Greater Than Projected (b)	Amounts Recognized in Pension Expense Through June 30, 2023 (c)	Balances at June 30, 2023	
				Deferred Outflows of Resources (a) - (c)	Deferred Inflows of Resources (b) - (c)
2019	70,157	-	70,157	-	-
2020	473,633	-	378,908	94,725	-
2021	-	2,909,118	1,745,472	-	1,163,646
2022	3,570,439	-	1,428,176	2,142,263	-
2023	-	51,716	10,343	-	41,373
				<u>\$ 2,236,988</u>	<u>\$ 1,205,019</u>

City of Dover, Delaware Police Pension Plan
Actuarial Information to Include in the Financial Statements
for the June 30, 2023 Measurement Date

Schedule of Differences between Expected and Actual Experience

In conformity with paragraph 33a of Statement 68, the effects of differences between projected and actual experience are recognized in pension expense, beginning in the current reporting period, using a systematic and rational method over a closed period equal to the average of the remaining service lives of all employees that are provided with pensions through the pension plan (active and inactive employees), determined as of the beginning of the measurement period. The following table illustrates the application of this requirement.

Increase (Decrease) in Pension Expense Arising from the Recognition of Differences between Projected and Actual Experience														
Year	Differences between Expected and Actual Experience	Recognition Period (Years)	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Thereafter
Prior*			-	-	-	-	-	-	-	-	-	-	-	-
2018	-	1	\$ -											
2019	(157,200)	1		\$ (157,200)										
2020	206,546	1			\$ 206,546									
2021	-	1				\$ -								
2022	(245,905)	1					\$ (245,905)							
2023	(329,618)	1						\$ (329,618)						
Net increase (decrease) in pension expense			\$ -	\$ (157,200)	\$ 206,546	\$ -	\$ (245,905)	\$ (329,618)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

*This 'Prior' line may contain multiple amortization layers. Amounts presented in this row represent the sum of the applicable amortization amounts for bases that were established prior to the first year presented in this column. They have been included in this row so that the correct sum is displayed for the recognition columns representing years prior to the year ending on the measurement date.

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)	Balances at June 30, 2023	
				Deferred Outflows of Resources (a) - (c)	Deferred Inflows of Resources (b) - (c)
2018	-	-	-	-	-
2019	-	157,200	157,200	-	-
2020	206,546	-	206,546	-	-
2021	-	-	-	-	-
2022	-	245,905	245,905	-	-
2023	-	329,618	329,618	-	-
				\$ -	\$ -

City of Dover, Delaware Police Pension Plan
 Actuarial Information to Include in the Financial Statements
 for the June 30, 2023 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.

Year	Changes of Assumptions	Recognition Period (Years)	Increase (Decrease) in Pension Expense Arising from the Effects of Changes of Assumptions												
			2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Thereafter	
Prior*			-	-	-	-	-	-	-	-	-	-	-	-	
2018	(44,440)	1	\$ (44,440)												
2019	(87,912)	1		\$ (87,912)											
2020	632,937	1			\$ 632,937										
2021	(134,232)	1				\$ (134,232)									
2022	47,967	1					\$ 47,967								
2023	-	1						\$ -							
Net increase (decrease) in pension expense			\$ (44,440)	\$ (87,912)	\$ 632,937	\$ (134,232)	\$ 47,967	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

*This 'Prior' line may contain multiple amortization layers. Amounts presented in this row represent the sum of the applicable amortization amounts for bases that were established prior to the first year presented in this column. They have been included in this row so that the correct sum is displayed for the recognition columns representing years prior to the year ending on the measurement date.

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

Year	Increases in the Total Pension Liability (a)	Decreases in the Total Pension Liability (b)	Amounts Recognized in Pension Expense Through June 30, 2023 (c)	Balances at June 30, 2023	
				Deferred Outflows of Resources (a) - (c)	Deferred Inflows of Resources (b) - (c)
2018	-	44,440	44,440	-	-
2019	-	87,912	87,912	-	-
2020	632,937	-	632,937	-	-
2021	-	134,232	134,232	-	-
2022	47,967	-	47,967	-	-
2023	-	-	-	-	-
				\$ -	\$ -