

STATE OF NORTH CAROLINA DEPARTMENT OF INSURANCE ON BEHALF OF OFFICE OF THE STATE FIRE MARSHAL

**Volunteer Safety Workers' Compensation Reserve & Funding Study
as of June 30, 2025**



Commitment Beyond Numbers



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May 11, 2026

Natalie Pollard
Program Manager
Office of the State Fire Marshal
1202 Mail Service Center
Raleigh, North Carolina 27699

[delivered via email to natalie.pollard@ncdoi.gov]

Dear Ms. Pollard:

Attached is Pinnacle Actuarial Resources, Inc.'s report on the unpaid loss and loss adjustment expense amounts and indicated funding amounts for the Volunteer Workers' Compensation Fund's exposures as of June 30, 2025.

Attention is called to the section of the report entitled *Distribution*, which sets out the limits on distribution of the report.

The author of this report is a member of the American Academy of Actuaries and meets its qualification standards to render the actuarial opinion contained herein.

We have enjoyed working with you in the preparation of this report. Please let me know if you have any questions.

Best regards,

A handwritten signature in blue ink that reads "Christopher J. Schubert".

Christopher J. Schubert, FCAS, MAAA
Senior Consulting Actuary

cc: Kyle Heuser. Latarsha Silver – Office of State Fire Marshal
Neal Cazel – Sedgwick

Commitment Beyond Numbers

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State of North Carolina Department of Insurance on Behalf of Office of the State Fire Marshall

Volunteer Safety Workers' Compensation Reserve and Funding Study as of June 30, 2025

PURPOSE & SCOPE

Pinnacle Actuarial Resources, Inc. (Pinnacle), has been retained by the State of North Carolina Department of Insurance (NC DOI) to provide an estimate of indicated loss and loss adjustment expense (LAE) reserves for the Office of State Fire Marshal's Volunteer Safety Workers' Compensation Fund (The Fund) exposures as of June 30, 2025. We have provided an actuarial central estimate of indicated loss reserves on a gross basis, however there is no outward ceded reinsurance. Therefore, gross liabilities equal net liabilities.

Pinnacle also was asked to compute recommended funding for the 2025/2026 through 2029/2030 fiscal years. We were asked to perform the following scenario analyses to evaluate the various sources of funding for these estimates and the overall impact on the net position, or surplus, of The Fund:

1. The Fund receives ten percent (10%) of the net proceeds from the tax collected under G.S. 105-228.5(d)(3)
2. Member premiums do not change from the prior year
3. Member premiums fully fund the Fund without any State support

This report was prepared for the internal use of The Fund's management to present our findings with respect to this analysis. It is our understanding that The Fund's management will consider our findings for the purposes of establishing liability estimates for internal management reporting and our funding estimates for internal budgeting and determination of member premiums.

The applicable accounting standards are generally accepted accounting principles (GAAP).

Our report is not intended or necessarily suitable for any other purpose.

The exhibits attached in support of our conclusions are an integral part of this report. This section has been prepared so that our actuarial assumptions and judgments are documented. Judgments about the analysis and findings presented in this report should be made only after considering the report in its entirety. Our projections are predicated on a number of assumptions as to future conditions and

events. These assumptions are documented in subsequent sections of this report, and should be understood in order to place the actuarial estimates in their appropriate context. In addition, these projections are subject to a number of reliances and limitations, as described in subsequent sections of this report.

We are available to answer any questions that may arise regarding this report. We assume that the user of this report will seek such explanation on any matter in question.

In this report, we develop an actuarial central estimate of The Fund's unpaid loss and LAE as of June 30, 2025. In addition, we have developed estimates above and below the actuarial central estimate. As such, the derivation of this estimate does not reflect extreme events believed to have a remote possibility of occurring. The higher and lower estimates are intended to present measures of the Fund's unpaid loss and LAE that consider outcomes that may be considered unlikely, but that are not remote. We consider the actuarial central estimate and the higher and lower estimates presented herein suitable for use in financial reporting contexts.

The scope does not include quantification of the uncertainty in our estimates. However, our report includes commentary on this uncertainty to assist in understanding the financial implications of our results.

For the purposes of our report, the "accounting date" of June 30, 2025 is the date used to separate paid and unpaid claim amounts in The Fund's financial statement. Transactions through the "valuation date" of June 30, 2025 are included in the data used in our analysis. No account has been taken in the projections of developments subsequent to the "review date" of April 3, 2026.

All loss and LAE amounts are stated on an undiscounted basis as regards future investment income.

Throughout this report, the use of the term *loss* without modification includes indemnity, medical and ALAE expenses. ALAE amounts included in our estimates include only those categories of loss adjustment expenses (e.g., claims defense, cost containment) that are reflected in the historical data provided to us. We have also included in our estimates a provision for ULAE expenses.

Also, references to *Fiscal Year (FY)* denote the policy issuance period commencing on July 1 of the noted year.

DISTRIBUTION & USE

This report is intended solely for the internal use of the Fund and their service providers (e.g. auditors, brokers, excess insurers, and regulatory authorities). Distribution to other third parties as required by law is granted on the condition that the entire report be distributed rather than excerpts. These third parties should recognize that the furnishing of this report is not a substitute for their own due diligence and should place no reliance on this report or the data contained herein that would result in the creation of any duty or liability by Pinnacle to the third party. Any further use or distribution is authorized solely to comply with the Chapter 132 of the North Carolina General Statutes and N.C.G.S. 58-87-10(f). This document is not authorized for automated summarization or AI processing.

The exhibits attached in support of our findings are an integral part of this report. These sections have been prepared so that our actuarial assumptions and judgments are documented. Judgments as to conclusions, recommendations, methods, and data contained in this report should be made only after studying the report in its entirety.

Our conclusions are predicated on a number of assumptions as to future conditions and events. Those assumptions, which are documented in subsequent sections of this report, must be understood in order to place our conclusions in their appropriate context. In addition, our work is subject to inherent limitations which are also discussed in this report.

BACKGROUND

The Fund “is an interest-bearing, non-reverting fund created in the NC DOI and administered by the Office of the State Fire Marshal.” The Fund was created and began operations on July 1, 1996. The Fund provides workers’ compensation coverage to smaller size fire departments, rescue squads, and EMS Units, a majority of which are volunteers.

Claims are managed by Sedwick Claims Management Services (Sedgwick).

Based on discussions with The Fund’s management, we are not aware of any significant recent changes in its claims, excess insurance, or any other aspect of The Fund’s operation or business environment that would be expected to materially affect the methods or assumptions used in this analysis.

METHODOLOGY

Reserve Methodology

The Fund's loss experience, valued as of June 30, 2025, was provided for the Fund's retained workers compensation (WC) exposures. Historical loss exposures (headcount) were also provided.

Six methodologies were used to develop estimates of ultimate losses and indicated reserves for their WC coverage.

The first two estimates were calculated by dividing the actual current paid and incurred losses by an estimate of the expected percentage of ultimate losses paid or reported, respectively, at that age of maturity. Paid and incurred loss development percentages are based upon a Pinnacle analysis of The Fund's and industry payment and reporting patterns for WC. These two methods are shown in Exhibit 5.

The third method is a case reserve development method. The case reserve development method produces an estimate of the IBNR based on the current case reserves which is added to paid loss to estimate ultimate loss. For fiscal years with no current case reserves, the estimated ultimate loss is the same as the current reported loss. We have used the same development patterns discussed in the paid and incurred development methods above. Details related to this method can be found in Exhibit 5.

The fourth estimation technique blends paid losses to date with an *a priori* estimate of expected losses. The purpose of this method, called the Bornhuetter-Ferguson or B-F method, is to add stability to ultimate loss estimates in years where a substantial amount of development on paid losses is generally expected or where a small portion of the expected ultimate loss has emerged. In these situations, the timing of the emergence of a large loss can dramatically change the estimates produced by the first three methods.

If we define:

- A = Paid Losses
- B = Expected Percentage of Ultimate Losses Paid
- C = Expected Losses

then the estimated ultimate loss using the B-F method is:

$$A + [C \times (1 - B)].$$

The expected losses are derived from Pinnacle's review of The Fund's historical loss experience at retention. More details on this method can be found in Exhibit 3.

The fifth method is the incurred B-F method. It is calculated in the same manner as the paid B-F method, replacing paid losses and development patterns with incurred losses and development patterns. Again, details of this method can be found in Exhibit 3.

The sixth method is known as the expected loss method. This is simply the expected loss component of the B-F methods mentioned above.

Once the estimates of ultimate losses have been calculated, a judgmental selection of the ultimate losses is made for each fiscal year. The intended measure of this approach is an actuarial central estimate of ultimate losses and, therefore, indicated loss and allocated loss adjustment expense reserves. We have been careful not to use assumptions that are too optimistic nor too pessimistic, but each within a reasonable range of possible selections. In addition, we have been careful to avoid stringing together assumptions that are successively optimistic or pessimistic.

Finally, a provision for unallocated loss adjustment expense (ULAE) reserves are computed using an industry benchmark derived from the total U.S. Property & Casualty insurance industry specific to the WC line of business and The Fund's historical experience, or 4.5%. A commonly used assumption when computing indicated ULAE reserves is that one-half the full cost of claims adjustment expenses is paid when the file is opened and the remaining one-half is paid out over the life of the claim until it is closed. Using this assumption, the estimation of ULAE reserve commonly applies a full ULAE provision to the IBNR reserve component but only a half provision to case reserves.

Funding Methodology

For the prospective funding and scenario analysis, we have leveraged our estimated ultimate losses from the reserve analysis. To project the expected payments during fiscal years 2025/2026 through 2029/2030, we have performed a roll-forward calculation.

For the occurrences prior to June 30, 2025, projections are calculated from the payment patterns developed in the reserve analysis and are applied to loss reserves to determine fiscal year payments.

For anticipated occurrences after June 30, 2025, we must first determine the forecasted ultimate loss estimates by fiscal year. To determine this, we first take our expected loss estimate for the 2024/2025 fiscal year discussed in the reserve methodology divided by the 2024/2025 exposures, or head count,

to produce an expected loss cost. This loss cost is then adjusted by an annual trend factor of 2.0% to reflect the change in claims cost over time. This trend factor is selected based on industry data and The Fund's historical experience. This loss cost is multiplied by the estimated exposures by fiscal year to produce an ultimate loss estimate. We can then, similar to occurrences prior to June 30, 2025, project expected payments using the payment patterns developed in our reserve analysis. These projected payment streams and forecasted ultimate losses by fiscal year can be found in Exhibit 1.

The forecasted ultimate losses for fiscal years 25/26 through 29/30 are then loaded for the expected ULAE and operating expenses for The Fund. Combined, these components are referred to as total gross fund expenses.

A further adjustment was made to recognize that the loss, LAE, and expense provisions can be offset by investment returns from The Fund's assets. The investment return rate of 2.0% are based on discussions with the Fund's management.

The total gross fund expenses, net of investment income, are applied to three requested scenarios by The Fund:

1. The Fund receives ten percent (10%) of the net proceeds from the tax collected under G.S. 105-228.5(d)(3)
2. Member premiums do not change from the prior year
3. Member premiums fully fund the Fund without any State support

More discussion on the impacts of each scenario can be found in the Findings section of this report.

FINDINGS

The total retained loss and LAE reserves indicated for The Fund's exposures as of June 30, 2025 are \$19,696,621, composed of \$10,880,751 in case reserves, \$8,201,965 in IBNR reserves, and \$613,905 in ULAE Reserves. Additionally, as shown on Exhibit 2, we estimate the range of reserves to be \$17,726,959 - \$21,666,283, which is plus/minus 10% of the central estimate noted above.

This analysis is detailed in the attached exhibits and summarized by fiscal year as follows:

Fiscal Year	Selected Ultimate Losses	Paid Losses	Case Reserves	Reported Losses	IBNR Reserves	ULAE Reserves	Indicated Total Reserves
Prior	92,457,370	92,013,392	278,646	92,292,038	165,332		
7/15 - 6/16	7,814,696	6,908,604	566,696	7,475,301	339,395		
7/16 - 6/17	5,382,406	5,286,532	0	5,286,532	95,874		
7/17 - 6/18	10,096,227	9,255,797	611,255	9,867,052	229,174		
7/18 - 6/19	4,910,964	4,611,916	93,466	4,705,382	205,582		
7/19 - 6/20	10,264,011	7,918,590	1,866,824	9,785,414	478,597		
7/20 - 6/21	6,950,015	5,950,970	575,625	6,526,595	423,419		
7/21 - 6/22	7,744,893	6,340,951	889,678	7,230,630	514,263		
7/22 - 6/23	6,415,877	5,047,915	591,324	5,639,240	776,638		
7/23 - 6/24	8,052,508	5,291,870	1,384,684	6,676,554	1,375,954		
7/24 - 6/25	10,400,091	2,779,804	4,022,551	6,802,355	3,597,736		
Total	170,489,057	151,406,341	10,880,751	162,287,093	8,201,965	613,905	19,696,621

For the funding estimates and scenario analysis, we were asked to evaluate three scenarios:

1. The Fund receives ten percent (10%) of the net proceeds from the tax collected under G.S. 105-228.5(d)(3)
2. Member premiums do not change from the prior year
3. Member premiums fully fund the Fund without any State support

For scenario 1, The Fund receives 10% of net tax proceeds, the impact on the net position of The Fund is shown in the table below:

Scenario 1

The Fund Receives 10% of Net Tax Proceeds

Year End	Beginning Net Position	Total Revenue	Total Fund Expenses	Net Income	Ending Net Position
6/30/2025					33,347,389
6/30/2026	33,347,389	5,414,177	10,903,243	(5,489,066)	27,858,323
6/30/2027	27,858,323	5,518,665	11,131,929	(5,613,264)	22,245,058
6/30/2028	22,245,058	5,635,664	11,365,508	(5,729,844)	16,515,214
6/30/2029	16,515,214	5,763,268	11,604,087	(5,840,819)	10,674,396
6/30/2030	10,674,396	5,899,828	11,847,777	(5,947,949)	4,726,447

Under this scenario, while The Fund does maintain a positive net position, the surplus of the fund is deteriorating in each of the next five fiscal years. If we continue to expand on this projection under the same parameters, it is expected that The Fund would enter into a negative net position, requiring increased funding on required capital to continue to meet its obligations.

For scenario 2, member premiums remaining unchanged from the prior year, the impact on the net position of The Fund is shown in the table below:

Scenario 2

Member Premiums Remain Unchanged

Year End	Beginning Net Position	Total Revenue	Total Fund Expenses	Net Income	Ending Net Position
6/30/2025					33,347,389
6/30/2026	33,347,389	1,059,002	10,903,243	(9,844,241)	23,503,148
6/30/2027	23,503,148	858,629	11,131,929	(10,273,301)	13,229,848
6/30/2028	13,229,848	653,780	11,365,508	(10,711,728)	2,518,120
6/30/2029	2,518,120	441,668	11,604,087	(11,162,419)	(8,644,299)
6/30/2030	(8,644,299)	0	11,847,777	(11,847,777)	(20,492,076)

Under this scenario, The Fund has a negative net position as of 6/30/2029. While we have continued to expand on this projection for the entire five-year outlook, increased funding or required capital would be required in order for The Fund to meet its obligations.

For scenario 3, member premiums fully funding the program, the impact on the net position of The Fund is shown in the table below:

Scenario 3

Member Premiums Fully Fund the Program

Year End	Beginning Net Position	Total Revenue	Total Fund Expenses	Net Income	Ending Net Position
6/30/2025					33,347,389
6/30/2026	33,347,389	10,903,243	10,903,243	0	33,347,389
6/30/2027	33,347,389	11,131,929	11,131,929	0	33,347,389
6/30/2028	33,347,389	11,365,508	11,365,508	0	33,347,389
6/30/2029	33,347,389	11,604,087	11,604,087	0	33,347,389
6/30/2030	33,347,389	11,847,777	11,847,777	0	33,347,389

Under this scenario, The Fund's net position remains unchanged across the five-year projection, as member premiums and anticipated investment income exactly offset The Fund's expenses.

A comparison of each scenario's reserve-to-surplus ratio is shown in the table below:

Scenario	Year End	Year Ending Surplus	Loss & LAE Reserves	Reserve to Surplus Ratio
Scenario 1	6/30/2026	27,858,323	19,508,836	0.70
	6/30/2027	22,245,058	19,347,732	0.87
	6/30/2028	16,515,214	19,570,614	1.19
	6/30/2029	10,674,396	19,559,934	1.83
	6/30/2030	4,726,447	19,699,898	4.17
Scenario 2	6/30/2026	23,503,148	19,508,836	0.83
	6/30/2027	13,229,848	19,347,732	1.46
	6/30/2028	2,518,120	19,570,614	7.77
	6/30/2029	(8,644,299)	19,559,934	(2.26)
	6/30/2030	(20,492,076)	19,699,898	(0.96)
Scenario 3	6/30/2026	33,347,389	19,508,836	0.59
	6/30/2027	33,347,389	19,347,732	0.58
	6/30/2028	33,347,389	19,570,614	0.59
	6/30/2029	33,347,389	19,559,934	0.59
	6/30/2030	33,347,389	19,699,898	0.59

This table reiterates the concerns discussed above related to scenario 1 and scenario 2. Generally, a reserve-to-surplus ratio exceeding 1.50 indicates a potentially leveraged financial position.

CHANGE FROM PRIOR ANALYSIS

This is Pinnacle's first year providing this analysis. We reviewed the prior actuarial report and there have been no significant changes in the actuarial methods and assumptions from those previously employed.

As the table below indicates, our ultimate loss estimates decreased overall compared to the prior study as of June 30, 2024. Ultimate loss estimates decreased by \$1.56 million (shown in Exhibit 6). The favorable development is primarily driven by the 2020/2021 and 2022/2023 through 2023/2024 fiscal years. The favorable development in these years is further illustrated in the expected vs actual exhibits for paid and reported losses, as shown in Exhibit 7.

North Carolina Volunteer Safety Workers' Compensation Fund
 Comparison from Prior Analysis - FY 23/24 & Prior

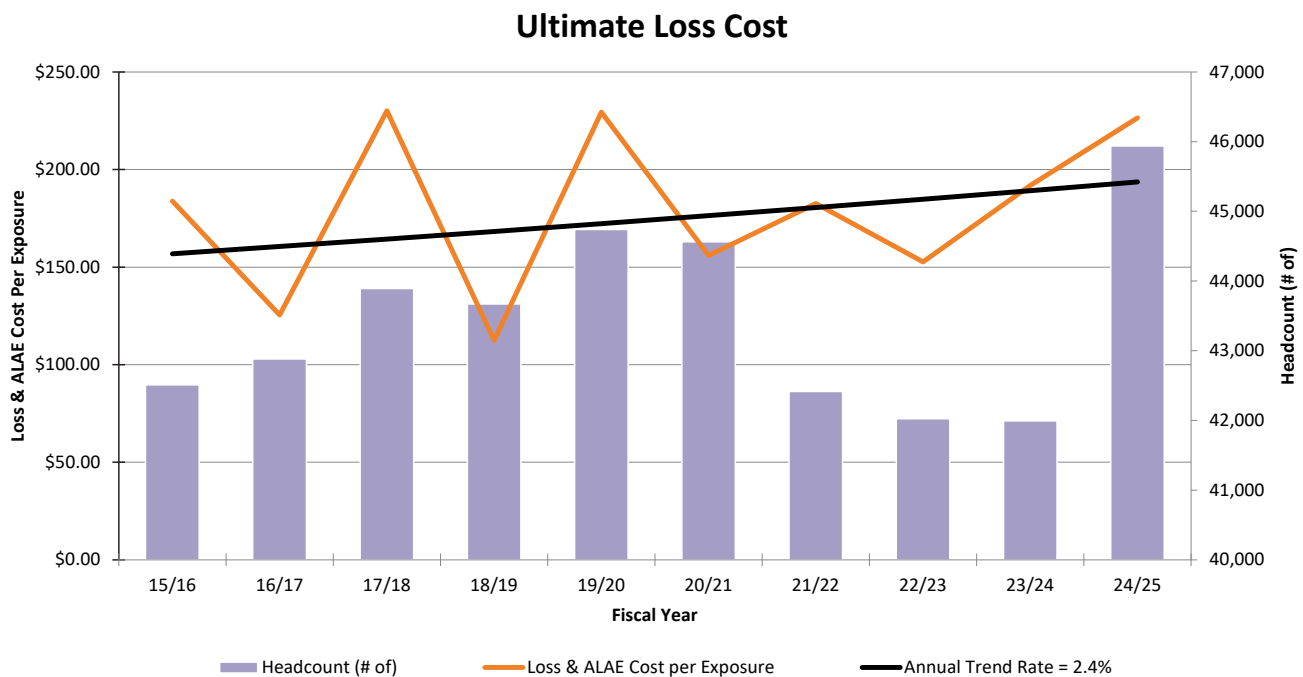
Fiscal Year	Evaluation Date		Change	Percent Change
	6/30/2024	6/30/2025		
Prior	75,236,991	75,093,229	(143,762)	-0.2%
7/14 - 6/15	6,450,000	6,187,940	(262,060)	-4.1%
7/15 - 6/16	7,848,000	7,814,696	(33,304)	-0.4%
7/16 - 6/17	5,285,807	5,382,406	96,599	1.8%
7/17 - 6/18	9,743,000	10,096,227	353,227	3.6%
7/18 - 6/19	5,039,000	4,910,964	(128,036)	-2.5%
7/19 - 6/20	10,312,000	10,264,011	(47,989)	-0.5%
7/20 - 6/21	7,666,000	6,950,015	(715,985)	-9.3%
7/21 - 6/22	7,518,000	7,744,893	226,893	3.0%
7/22 - 6/23	6,686,000	6,415,877	(270,123)	-4.0%
7/23 - 6/24	8,683,000	8,052,508	(630,492)	-7.3%
Total	150,467,798	148,912,765	(1,555,033)	-1.0%

*Excludes FY 03/04 - 04/05

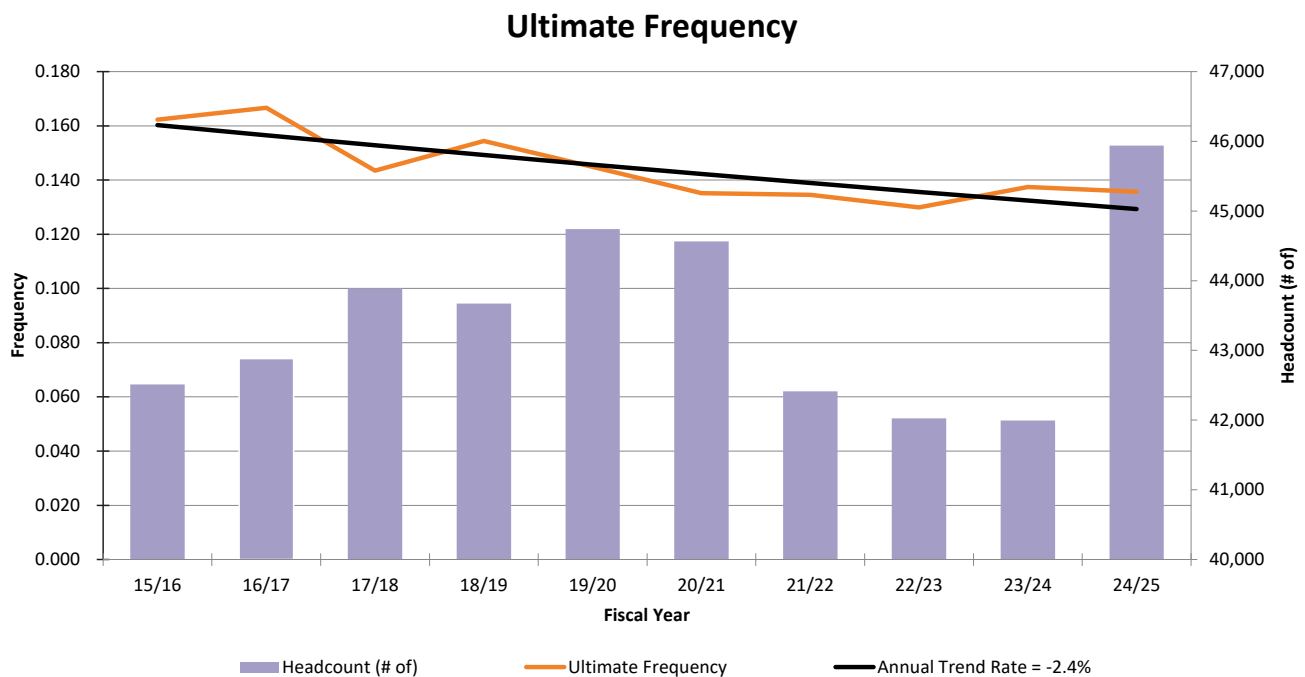
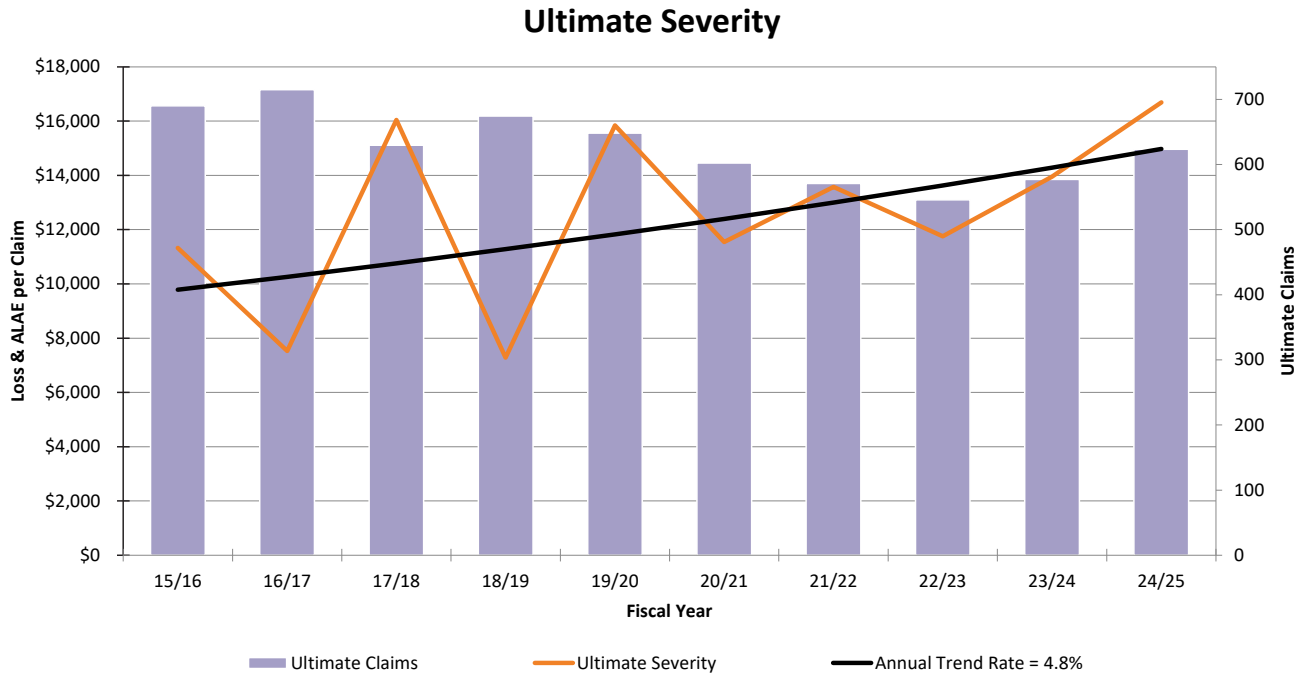
ULTIMATE LOSS INDICATIONS

The graphs below provide insight into the Fund's claims experience in recent years. The loss and claim details underlying these graphs are presented in Exhibit 8.

Since 2015/2016, ultimate loss per exposure (i.e., loss cost) has had an average annual increase of 2.4%. We have selected a trend of 2.0% in our analysis, which gives partial weight to industry trend indications. The industry indications have been favorable both in North Carolina and industrywide. It should also be noted that exposures decreased by 4.8% from 2020/2021 to 2021/2022, and decreased in the subsequent two years. However, exposures increased by 9.4% from 2023/2024 to 2024/2025.



Since fiscal year 2015/2016, severity has had an average annual trend of 4.8% and the claim frequency has trended downward at an average rate of 2.4% since 2015/2016. The next two graphs show the trends in the ultimate severity and ultimate frequency.



RELIANCES & LIMITATIONS

Throughout our analysis, we have relied, without audit or verification, on historical data and qualitative information supplied by The Fund. To the extent that any subsequent changes are noted that have a material impact on our analysis, it is the responsibility of The Fund to notify us of these changes so that they may be properly reflected. We have also relied, without audit or verification, on information and data from insurance industry sources when a sufficient volume of The Fund's experience was lacking.

Our understanding of the insurance program is discussed in the **Background** section. Any material discrepancies between the actual coverage provided by the program and our assumptions may have a significant impact on our findings. The loss reserve and funding estimates contained in this report are on a gross basis. It is our understanding that there is no excess insurance, and therefore gross basis equals net.

Loss reserve estimates are subject to potential errors of estimation due to the fact that the ultimate liability for claims is subject to the outcome of events yet to occur, e.g., jury decisions and attitudes of claimants with respect to settlements. Thus, no assurance can be given as to the adequacy of the recommended reserve level.

Furthermore, the projection of expected losses for the upcoming fiscal years involves estimates of future events. As such, the estimates are subject to economic and statistical variation. No assurances can be offered that actual loss emergence will be identical to expected losses. It is possible that the historical loss development data for the Fund will not be predictive of its future loss emergence.

We have not anticipated any extraordinary changes in the legal, social or economic environment, which might affect the cost and frequency of claims.

Consistent with the purpose of our engagement, the focus of the reserve analysis was on The Fund's overall reserves for unpaid claims. As such, projections shown in this report for each fiscal year should be viewed in the context of the entire portfolio of liabilities, not necessarily as best estimates for an individual fiscal year.

Our conclusions are predicated on a number of assumptions as to future conditions and events including reserve estimates, projected growth, projected exposures, incurred losses, projected expense levels and projected investment income. While we believe our assumptions to be reasonable, it should be understood that there is a high degree of uncertainty involved in projecting future events and that actual results may differ significantly from the projected results.

This report does not express any opinions or recommendations with respect to accounting, legal, taxation nor any items reported in any statements filed and/or representations made by the Fund. The sole purpose of this report is to present reasonable estimates of loss and LAE reserves and funding amounts for the retained WC exposures of the Fund as of the date on this report. Other reliances and limitations and specific assumptions and data adjustments are cited on the attached exhibits which are an integral part of this report.

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<i>Exhibit</i>		<i>Description</i>
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North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Scenario Analysis: Fund Receives 10% Net Tax Proceeds

Scenario Analysis

Page 1

Year End	Beginning Net Position	Revenue During Calendar Year				Total Fund Expenses	Net Income	Ending Net Position
		Member Contributions	NC State Tax Revenue Proceeds	Investment Income	Total Revenue			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
6/30/2025								33,347,389
6/30/2026	33,347,389	0	4,355,174	1,059,002	5,414,177	10,903,243	(5,489,066)	27,858,323
6/30/2027	27,858,323	0	4,572,933	945,732	5,518,665	11,131,929	(5,613,264)	22,245,058
6/30/2028	22,245,058	0	4,801,580	834,085	5,635,664	11,365,508	(5,729,844)	16,515,214
6/30/2029	16,515,214	0	5,041,659	721,610	5,763,268	11,604,087	(5,840,819)	10,674,396
6/30/2030	10,674,396	0	5,293,742	606,086	5,899,828	11,847,777	(5,947,949)	4,726,447

Notes:

- (2) Prior (9)
- (3) Provided by Client
- (4) Estimated by Pinnacle based on historical North Carolina state support
- (5) Scenario Analysis, Page 4 , Col (6)
- (6) (3) + (4) + (5)
- (7) Scenario Analysis, Col (9)
- (8) (6) - (7)
- (9) (2) + (8); Year end 6/30/2025 provided by Client

North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Scenario Analysis: Member Premiums Remain Unchanged

Scenario Analysis

Page 2

Year End	Beginning Net Position	Revenue During Calendar Year				Total Fund Expenses	Net Income	Ending Net Position
		Member Contributions	NC State Tax Revenue Proceeds	Investment Income	Total Revenue			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
6/30/2025								33,347,389
6/30/2026	33,347,389	0	0	1,059,002	1,059,002	10,903,243	(9,844,241)	23,503,148
6/30/2027	23,503,148	0	0	858,629	858,629	11,131,929	(10,273,301)	13,229,848
6/30/2028	13,229,848	0	0	653,780	653,780	11,365,508	(10,711,728)	2,518,120
6/30/2029	2,518,120	0	0	441,668	441,668	11,604,087	(11,162,419)	(8,644,299)
6/30/2030	(8,644,299)	0	0	0	0	11,847,777	(11,847,777)	(20,492,076)

Notes:

- (2) Prior (9)
- (3) Provided by Client
- (4) Provided by Client
- (5) Scenario Analysis, Page 4 , Col (6)
- (6) (3) + (4) + (5)
- (7) Scenario Analysis, Col (9)
- (8) (6) - (7)
- (9) (2) + (8); Year end 6/30/2025 provided by Client

North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Scenario Analysis: Member Premiums Fully Fund the Program

Scenario Analysis

Page 3

Year End	Beginning Net Position	Revenue During Calendar Year				Total Fund Expenses	Net Income	Ending Net Position
		Member Contributions	NC State Tax Revenue Proceeds	Investment Income	Total Revenue			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
6/30/2025								33,347,389
6/30/2026	33,347,389	9,844,241	0	1,059,002	10,903,243	10,903,243	0	33,347,389
6/30/2027	33,347,389	10,076,416	0	1,055,513	11,131,929	11,131,929	0	33,347,389
6/30/2028	33,347,389	10,309,377	0	1,056,131	11,365,508	11,365,508	0	33,347,389
6/30/2029	33,347,389	10,545,834	0	1,058,253	11,604,087	11,604,087	0	33,347,389
6/30/2030	33,347,389	10,788,230	0	1,059,546	11,847,777	11,847,777	0	33,347,389

Notes:

- (2) Prior (9)
- (3) Scenario Analysis, Page 6, Col (11)
- (4) Provided by Client
- (5) Scenario Analysis, Page 4 , Col (6)
- (6) (3) + (4) + (5)
- (7) Scenario Analysis, Col (9)
- (8) (6) - (7)
- (9) (2) + (8); Year end 6/30/2025 provided by Client

North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Scenario Analysis: Derivation of Investment Income

Scenario Analysis

Page 4

Scenario	Year End	Prior Ending Surplus	Average Loss & ALAE Reserves	Investable Assets	Investment Income
(1)	(2)	(3)	(4)	(5)	(6)
Scenario 1	6/30/2026	33,347,389	19,602,729	52,950,118	1,059,002
	6/30/2027	27,858,323	19,428,284	47,286,607	945,732
	6/30/2028	22,245,058	19,459,173	41,704,231	834,085
	6/30/2029	16,515,214	19,565,274	36,080,489	721,610
	6/30/2030	10,674,396	19,629,916	30,304,312	606,086
Scenario 2	6/30/2026	33,347,389	19,602,729	52,950,118	1,059,002
	6/30/2027	23,503,148	19,428,284	42,931,433	858,629
	6/30/2028	13,229,848	19,459,173	32,689,021	653,780
	6/30/2029	2,518,120	19,565,274	22,083,394	441,668
	6/30/2030	(8,644,299)	19,629,916	10,985,617	0
Scenario 3	6/30/2026	33,347,389	19,602,729	52,950,118	1,059,002
	6/30/2027	33,347,389	19,428,284	52,775,673	1,055,513
	6/30/2028	33,347,389	19,459,173	52,806,562	1,056,131
	6/30/2029	33,347,389	19,565,274	52,912,663	1,058,253
	6/30/2030	33,347,389	19,629,916	52,977,305	1,059,546

Notes:

- (3) Scenario Analysis, Col (9)
- (4) Average of the current year and prior year: Summary, Col (2) + Summary, Col (4)
- (5) (3) + (4)
- (6) (3) x assumed investment return of 2.0%; \$0 if Prior Ending Surplus is negative

North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Scenario Analysis: Reserve to Surplus Ratio

Scenario Analysis

Page 5

Scenario	Year End	Year Ending Surplus	Year Ending Loss & ALAE Reserves	ULAE Reserves	Loss & LAE Reserves	Reserve to Surplus Ratio
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Scenario 1	6/30/2026	27,858,323	18,900,784	608,052	19,508,836	0.70
	6/30/2027	22,245,058	18,744,701	603,031	19,347,732	0.87
	6/30/2028	16,515,214	18,960,636	609,978	19,570,614	1.19
	6/30/2029	10,674,396	18,950,289	609,645	19,559,934	1.83
	6/30/2030	4,726,447	19,085,890	614,007	19,699,898	4.17
Scenario 2	6/30/2026	23,503,148	18,900,784	608,052	19,508,836	0.83
	6/30/2027	13,229,848	18,744,701	603,031	19,347,732	1.46
	6/30/2028	2,518,120	18,960,636	609,978	19,570,614	7.77
	6/30/2029	(8,644,299)	18,950,289	609,645	19,559,934	(2.26)
	6/30/2030	(20,492,076)	19,085,890	614,007	19,699,898	(0.96)
Scenario 3	6/30/2026	33,347,389	18,900,784	608,052	19,508,836	0.59
	6/30/2027	33,347,389	18,744,701	603,031	19,347,732	0.58
	6/30/2028	33,347,389	18,960,636	609,978	19,570,614	0.59
	6/30/2029	33,347,389	18,950,289	609,645	19,559,934	0.59
	6/30/2030	33,347,389	19,085,890	614,007	19,699,898	0.59

Notes:

- (3) Scenario Analysis, Col (9)
- (4) Exhibit 1, Col (8)
- (5) (4) x ULAE provision based on Exhibit 2, Col (14) / Exhibit 2, Col (13)
- (6) (4) + (5)
- (7) (6) / (3)



North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Scenario Analysis: Fiscal Year Expenses

Scenario Analysis

Page 6

Fiscal Year		Selected Ultimate Loss & ALAE	Selected Ultimate ULAE	Selected Ultimate Loss & LAE	Admin Services	Agent Commissions	Other Expenses	Total Operating Expenses	Total Gross Fund Expenses	Investment Income	Total Net Fund Expenses
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
7/1/25	- 6/30/26	9,417,290	423,778	9,841,068	664,007	361,568	36,600	1,062,175	10,903,243	1,059,002	9,844,241
7/1/26	- 6/30/27	9,605,636	432,254	10,037,889	683,927	372,415	37,698	1,094,040	11,131,929	1,055,513	10,076,416
7/1/27	- 6/30/28	9,797,749	440,899	10,238,647	704,445	383,587	38,829	1,126,861	11,365,508	1,056,131	10,309,377
7/1/28	- 6/30/29	9,993,703	449,717	10,443,420	725,578	395,095	39,994	1,160,667	11,604,087	1,058,253	10,545,834
7/1/29	- 6/30/30	10,193,578	458,711	10,652,289	747,346	406,948	41,194	1,195,488	11,847,777	1,059,546	10,788,230
Total		49,007,955	2,205,358	51,213,313	3,525,303	1,919,613	194,315	5,639,231	56,852,544	5,288,446	51,564,098

Notes:

- (2) Exhibit 1, Col (2)
- (3) (2) x Exhibit 2, Col (14)
- (4) (2) + (3)
- (5) - (8) Provided by Client
- (9) (4) + (8)
- (10) Scenario Analysis, Page 4, Col (6)
- (11) (9) - (10)



North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Expected Calendar Year Payments

Exhibit 1

Page 1

Fiscal Year	As of 6/30/2025				Expected as of 6/30/2026		
	Selected	Paid	Total	Estimated	Incremental	Cumulative	Total
	Ultimate Loss & ALAE	Loss & ALAE	Loss & ALAE Reserves		Paid Loss & ALAE	Paid Loss & ALAE	Loss & ALAE Reserves
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
7/1/02 - 6/30/03	5,465,234	5,465,234	0	100.0%	0	5,465,234	0
7/1/03 - 6/30/04	5,710,967	5,710,967	0	100.0%	0	5,710,967	0
7/1/04 - 6/30/05	5,063,110	5,013,177	49,933	99.5%	49,933	5,063,110	0
7/1/05 - 6/30/06	5,787,570	5,787,570	0	99.5%	0	5,787,570	0
7/1/06 - 6/30/07	6,885,034	6,885,034	0	99.5%	0	6,885,034	0
7/1/07 - 6/30/08	7,717,863	7,660,552	57,311	99.4%	9,544	7,670,096	47,767
7/1/08 - 6/30/09	6,723,592	6,698,844	24,748	99.3%	3,530	6,702,373	21,218
7/1/09 - 6/30/10	9,138,639	9,138,639	0	99.2%	0	9,138,639	0
7/1/10 - 6/30/11	10,701,210	10,643,209	58,001	99.1%	6,426	10,649,635	51,575
7/1/11 - 6/30/12	9,098,737	9,098,737	0	99.0%	0	9,098,737	0
7/1/12 - 6/30/13	7,617,145	7,363,160	253,986	98.9%	22,995	7,386,155	230,990
7/1/13 - 6/30/14	6,360,328	6,360,328	0	98.7%	0	6,360,328	0
7/1/14 - 6/30/15	6,187,940	6,187,940	0	98.5%	0	6,187,940	0
7/1/15 - 6/30/16	7,814,696	6,908,604	906,091	98.0%	224,627	7,133,232	681,464
7/1/16 - 6/30/17	5,382,406	5,286,532	95,874	97.0%	32,121	5,318,653	63,753
7/1/17 - 6/30/18	10,096,227	9,255,797	840,430	96.7%	86,367	9,342,164	754,063
7/1/18 - 6/30/19	4,910,964	4,611,916	299,048	95.5%	80,094	4,692,010	218,954
7/1/19 - 6/30/20	10,264,011	7,918,590	2,345,421	94.4%	437,842	8,356,432	1,907,579
7/1/20 - 6/30/21	6,950,015	5,950,970	999,044	91.0%	379,059	6,330,029	619,986
7/1/21 - 6/30/22	7,744,893	6,340,951	1,403,941	85.4%	539,046	6,879,997	864,895
7/1/22 - 6/30/23	6,415,877	5,047,915	1,367,962	77.6%	480,782	5,528,697	887,180
7/1/23 - 6/30/24	8,052,508	5,291,870	2,760,639	61.6%	1,147,783	6,439,652	1,612,856
7/1/24 - 6/30/25	10,400,091	2,779,804	7,620,287	25.7%	3,682,539	6,462,343	3,937,748
7/1/25 - 6/30/26	9,417,290	0	0	0.0%	2,416,534	2,416,534	7,000,756
Total	179,906,347	151,406,341	19,082,716		9,599,222	161,005,563	18,900,784

Notes:

- (2) Exhibit 2, Col (11); 7/1/2025 is based on Exhibit 3, Col (8) selected, adjusted for trend
- (3) Exhibit 5, Col (2)
- (4) (2) - (3)
- (5) Based on Appendix A, Page 2
- (6) $[\text{Prior (5) - (5)}] / [1 - (5)] \times [(2) - (3)] + (3)$
- (7) (3) + (6)
- (8) (2) - (7)

North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Expected Calendar Year Payments

Exhibit 1

Page 2

Fiscal Year		Estimated as of 6/30/2026				Expected as of 6/30/2027		
		Selected	Paid	Total	Estimated % Paid	Incremental	Cumulative	Total
		Ultimate Loss & ALAE	Loss & ALAE	Loss & ALAE Reserves		Paid Loss & ALAE	Paid Loss & ALAE	Loss & ALAE Reserves
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
7/1/02	- 6/30/03	5,465,234	5,465,234	0	99.9%	0	5,465,234	0
7/1/03	- 6/30/04	5,710,967	5,710,967	0	99.9%	0	5,710,967	0
7/1/04	- 6/30/05	5,063,110	5,063,110	0	99.8%	0	5,063,110	0
7/1/05	- 6/30/06	5,787,570	5,787,570	0	99.5%	0	5,787,570	0
7/1/06	- 6/30/07	6,885,034	6,885,034	0	99.5%	0	6,885,034	0
7/1/07	- 6/30/08	7,717,863	7,670,096	47,767	99.5%	0	7,670,096	47,767
7/1/08	- 6/30/09	6,723,592	6,702,373	21,218	99.4%	3,533	6,705,907	17,685
7/1/09	- 6/30/10	9,138,639	9,138,639	0	99.3%	0	9,138,639	0
7/1/10	- 6/30/11	10,701,210	10,649,635	51,575	99.2%	6,432	10,656,067	45,143
7/1/11	- 6/30/12	9,098,737	9,098,737	0	99.1%	0	9,098,737	0
7/1/12	- 6/30/13	7,617,145	7,386,155	230,990	99.0%	23,018	7,409,173	207,972
7/1/13	- 6/30/14	6,360,328	6,360,328	0	98.9%	0	6,360,328	0
7/1/14	- 6/30/15	6,187,940	6,187,940	0	98.7%	0	6,187,940	0
7/1/15	- 6/30/16	7,814,696	7,133,232	681,464	98.5%	90,300	7,223,532	591,164
7/1/16	- 6/30/17	5,382,406	5,318,653	63,753	98.0%	15,805	5,334,458	47,948
7/1/17	- 6/30/18	10,096,227	9,342,164	754,063	97.0%	252,640	9,594,804	501,423
7/1/18	- 6/30/19	4,910,964	4,692,010	218,954	96.7%	22,501	4,714,511	196,453
7/1/19	- 6/30/20	10,264,011	8,356,432	1,907,579	95.5%	510,906	8,867,338	1,396,673
7/1/20	- 6/30/21	6,950,015	6,330,029	619,986	94.4%	115,739	6,445,768	504,247
7/1/21	- 6/30/22	7,744,893	6,879,997	864,895	91.0%	328,160	7,208,157	536,736
7/1/22	- 6/30/23	6,415,877	5,528,697	887,180	85.4%	340,634	5,869,332	546,545
7/1/23	- 6/30/24	8,052,508	6,439,652	1,612,856	77.6%	566,852	7,006,505	1,046,004
7/1/24	- 6/30/25	10,400,091	6,462,343	3,937,748	61.6%	1,637,186	8,099,529	2,300,562
7/1/25	- 6/30/26	9,417,290	2,416,534	7,000,756	25.7%	3,383,148	5,799,682	3,617,608
7/1/26	- 6/30/27	9,605,636	0	0	0.0%	2,464,865	2,464,865	7,140,771
Total		189,511,983	161,005,563	18,900,784		9,761,719	170,767,282	18,744,701

Notes:

- (2) Exhibit 1, Page 1, Col (2); 7/1/2026 is based on Exhibit 3, Col (8) selected, adjusted for trend
- (3) Exhibit 1, Page 1, Col (7)
- (4) (2) - (3)
- (5) Based on Appendix A, Page 2
- (6) $[\text{Prior (5) - (5)}] / [1 - (5)] \times [(2) - (3)] + (3)$
- (7) (3) + (6)
- (8) (2) - (7)

North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Expected Calendar Year Payments

Exhibit 1

Page 3

Fiscal Year		Estimated as of 6/30/2027				Expected as of 6/30/2028		
		Selected	Paid	Total	Estimated % Paid	Incremental	Cumulative	Total
		Ultimate Loss & ALAE	Loss & ALAE	Loss & ALAE Reserves		Paid Loss & ALAE	Paid Loss & ALAE	Loss & ALAE Reserves
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
7/1/02	- 6/30/03	5,465,234	5,465,234	0	100.0%	0	5,465,234	0
7/1/03	- 6/30/04	5,710,967	5,710,967	0	99.9%	0	5,710,967	0
7/1/04	- 6/30/05	5,063,110	5,063,110	0	99.9%	0	5,063,110	0
7/1/05	- 6/30/06	5,787,570	5,787,570	0	99.8%	0	5,787,570	0
7/1/06	- 6/30/07	6,885,034	6,885,034	0	99.5%	0	6,885,034	0
7/1/07	- 6/30/08	7,717,863	7,670,096	47,767	99.5%	0	7,670,096	47,767
7/1/08	- 6/30/09	6,723,592	6,705,907	17,685	99.5%	0	6,705,907	17,685
7/1/09	- 6/30/10	9,138,639	9,138,639	0	99.4%	0	9,138,639	0
7/1/10	- 6/30/11	10,701,210	10,656,067	45,143	99.3%	6,439	10,662,506	38,704
7/1/11	- 6/30/12	9,098,737	9,098,737	0	99.2%	0	9,098,737	0
7/1/12	- 6/30/13	7,617,145	7,409,173	207,972	99.1%	23,041	7,432,215	184,931
7/1/13	- 6/30/14	6,360,328	6,360,328	0	99.0%	0	6,360,328	0
7/1/14	- 6/30/15	6,187,940	6,187,940	0	98.9%	0	6,187,940	0
7/1/15	- 6/30/16	7,814,696	7,223,532	591,164	98.7%	90,481	7,314,012	500,683
7/1/16	- 6/30/17	5,382,406	5,334,458	47,948	98.5%	6,354	5,340,811	41,594
7/1/17	- 6/30/18	10,096,227	9,594,804	501,423	98.0%	124,307	9,719,111	377,116
7/1/18	- 6/30/19	4,910,964	4,714,511	196,453	97.0%	65,819	4,780,330	130,634
7/1/19	- 6/30/20	10,264,011	8,867,338	1,396,673	96.7%	143,529	9,010,867	1,253,144
7/1/20	- 6/30/21	6,950,015	6,445,768	504,247	95.5%	135,052	6,580,820	369,195
7/1/21	- 6/30/22	7,744,893	7,208,157	536,736	94.4%	100,198	7,308,355	436,538
7/1/22	- 6/30/23	6,415,877	5,869,332	546,545	91.0%	207,371	6,076,703	339,175
7/1/23	- 6/30/24	8,052,508	7,006,505	1,046,004	85.4%	401,615	7,408,120	644,389
7/1/24	- 6/30/25	10,400,091	8,099,529	2,300,562	77.6%	808,553	8,908,081	1,492,010
7/1/25	- 6/30/26	9,417,290	5,799,682	3,617,608	61.6%	1,504,082	7,303,764	2,113,526
7/1/26	- 6/30/27	9,605,636	2,464,865	7,140,771	25.7%	3,450,811	5,915,675	3,689,960
7/1/27	- 6/30/28	9,797,749	0	0	0.0%	2,514,162	2,514,162	7,283,586
Total		199,309,732	170,767,282	18,744,701		9,581,813	180,349,095	18,960,636

Notes:

- (2) Exhibit 1, Page 2, Col (2); 7/1/2027 is based on Exhibit 3, Col (8) selected, adjusted for trend
- (3) Exhibit 1, Page 2, Col (7)
- (4) (2) - (3)
- (5) Based on Appendix A, Page 2
- (6) $[\text{Prior (5)} - (5)] / [1 - (5)] \times [(2) - (3)] + (3)$
- (7) (3) + (6)
- (8) (2) - (7)

North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Expected Calendar Year Payments

Exhibit 1

Page 4

Fiscal Year		Estimated as of 6/30/2028				Expected as of 6/30/2029		
		Selected	Paid	Total	Estimated % Paid	Incremental	Cumulative	Total
		Ultimate Loss & ALAE	Loss & ALAE	Loss & ALAE Reserves		Paid Loss & ALAE	Paid Loss & ALAE	Loss & ALAE Reserves
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
7/1/02	- 6/30/03	5,465,234	5,465,234	0	100.0%	0	5,465,234	0
7/1/03	- 6/30/04	5,710,967	5,710,967	0	100.0%	0	5,710,967	0
7/1/04	- 6/30/05	5,063,110	5,063,110	0	99.9%	0	5,063,110	0
7/1/05	- 6/30/06	5,787,570	5,787,570	0	99.9%	0	5,787,570	0
7/1/06	- 6/30/07	6,885,034	6,885,034	0	99.8%	0	6,885,034	0
7/1/07	- 6/30/08	7,717,863	7,670,096	47,767	99.5%	23,854	7,693,950	23,913
7/1/08	- 6/30/09	6,723,592	6,705,907	17,685	99.5%	0	6,705,907	17,685
7/1/09	- 6/30/10	9,138,639	9,138,639	0	99.5%	0	9,138,639	0
7/1/10	- 6/30/11	10,701,210	10,662,506	38,704	99.4%	6,445	10,668,951	32,259
7/1/11	- 6/30/12	9,098,737	9,098,737	0	99.3%	0	9,098,737	0
7/1/12	- 6/30/13	7,617,145	7,432,215	184,931	99.2%	23,064	7,455,279	161,866
7/1/13	- 6/30/14	6,360,328	6,360,328	0	99.1%	0	6,360,328	0
7/1/14	- 6/30/15	6,187,940	6,187,940	0	99.0%	0	6,187,940	0
7/1/15	- 6/30/16	7,814,696	7,314,012	500,683	98.9%	45,331	7,359,343	455,353
7/1/16	- 6/30/17	5,382,406	5,340,811	41,594	98.7%	6,366	5,347,178	35,228
7/1/17	- 6/30/18	10,096,227	9,719,111	377,116	98.5%	49,971	9,769,082	327,145
7/1/18	- 6/30/19	4,910,964	4,780,330	130,634	98.0%	32,385	4,812,715	98,249
7/1/19	- 6/30/20	10,264,011	9,010,867	1,253,144	97.0%	419,851	9,430,718	833,293
7/1/20	- 6/30/21	6,950,015	6,580,820	369,195	96.7%	37,940	6,618,760	331,255
7/1/21	- 6/30/22	7,744,893	7,308,355	436,538	95.5%	116,918	7,425,272	319,620
7/1/22	- 6/30/23	6,415,877	6,076,703	339,175	94.4%	63,317	6,140,020	275,858
7/1/23	- 6/30/24	8,052,508	7,408,120	644,389	91.0%	244,495	7,652,614	399,894
7/1/24	- 6/30/25	10,400,091	8,908,081	1,492,010	85.4%	572,860	9,480,941	919,150
7/1/25	- 6/30/26	9,417,290	7,303,764	2,113,526	77.6%	742,817	8,046,581	1,370,709
7/1/26	- 6/30/27	9,605,636	5,915,675	3,689,960	61.6%	1,534,164	7,449,839	2,155,796
7/1/27	- 6/30/28	9,797,749	2,514,162	7,283,586	25.7%	3,519,827	6,033,989	3,763,760
7/1/28	- 6/30/29	9,993,703	0	0	0.0%	2,564,445	2,564,445	7,429,258
Total		209,303,435	180,349,095	18,960,636		10,004,051	190,353,146	18,950,289

Notes:

- (2) Exhibit 1, Page 3, Col (2); 7/1/2028 is based on Exhibit 3, Col (8) selected, adjusted for trend
- (3) Exhibit 1, Page 3, Col (7)
- (4) (2) - (3)
- (5) Based on Appendix A, Page 2
- (6) [Prior (5) - (5)] / [1 - (5)] x [(2) - (3)] + (3)
- (7) (3) + (6)
- (8) (2) - (7)

North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Expected Calendar Year Payments

Exhibit 1

Page 5

Fiscal Year		Estimated as of 6/30/2029				Expected as of 6/30/2030		
		Selected	Paid	Total	Estimated % Paid	Incremental	Cumulative	Total
		Ultimate Loss & ALAE	Loss & ALAE	Loss & ALAE Reserves		Paid Loss & ALAE	Paid Loss & ALAE	Loss & ALAE Reserves
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
7/1/02	- 6/30/03	5,465,234	5,465,234	0	100.0%	0	5,465,234	0
7/1/03	- 6/30/04	5,710,967	5,710,967	0	100.0%	0	5,710,967	0
7/1/04	- 6/30/05	5,063,110	5,063,110	0	100.0%	0	5,063,110	0
7/1/05	- 6/30/06	5,787,570	5,787,570	0	99.9%	0	5,787,570	0
7/1/06	- 6/30/07	6,885,034	6,885,034	0	99.9%	0	6,885,034	0
7/1/07	- 6/30/08	7,717,863	7,693,950	23,913	99.8%	11,949	7,705,899	11,964
7/1/08	- 6/30/09	6,723,592	6,705,907	17,685	99.5%	8,831	6,714,738	8,853
7/1/09	- 6/30/10	9,138,639	9,138,639	0	99.5%	0	9,138,639	0
7/1/10	- 6/30/11	10,701,210	10,668,951	32,259	99.5%	0	10,668,951	32,259
7/1/11	- 6/30/12	9,098,737	9,098,737	0	99.4%	0	9,098,737	0
7/1/12	- 6/30/13	7,617,145	7,455,279	161,866	99.3%	23,087	7,478,367	138,779
7/1/13	- 6/30/14	6,360,328	6,360,328	0	99.2%	0	6,360,328	0
7/1/14	- 6/30/15	6,187,940	6,187,940	0	99.1%	0	6,187,940	0
7/1/15	- 6/30/16	7,814,696	7,359,343	455,353	99.0%	45,376	7,404,720	409,976
7/1/16	- 6/30/17	5,382,406	5,347,178	35,228	98.9%	3,189	5,350,367	32,039
7/1/17	- 6/30/18	10,096,227	9,769,082	327,145	98.7%	50,071	9,819,153	277,074
7/1/18	- 6/30/19	4,910,964	4,812,715	98,249	98.5%	13,019	4,825,734	85,230
7/1/19	- 6/30/20	10,264,011	9,430,718	833,293	98.0%	206,580	9,637,297	626,713
7/1/20	- 6/30/21	6,950,015	6,618,760	331,255	97.0%	110,983	6,729,743	220,272
7/1/21	- 6/30/22	7,744,893	7,425,272	319,620	96.7%	32,846	7,458,118	286,775
7/1/22	- 6/30/23	6,415,877	6,140,020	275,858	95.5%	73,883	6,213,903	201,975
7/1/23	- 6/30/24	8,052,508	7,652,614	399,894	94.4%	74,652	7,727,266	325,242
7/1/24	- 6/30/25	10,400,091	9,480,941	919,150	91.0%	348,745	9,829,686	570,405
7/1/25	- 6/30/26	9,417,290	8,046,581	1,370,709	85.4%	526,286	8,572,868	844,422
7/1/26	- 6/30/27	9,605,636	7,449,839	2,155,796	77.6%	757,673	8,207,513	1,398,123
7/1/27	- 6/30/28	9,797,749	6,033,989	3,763,760	61.6%	1,564,847	7,598,836	2,198,912
7/1/28	- 6/30/29	9,993,703	2,564,445	7,429,258	25.7%	3,590,223	6,154,669	3,839,035
7/1/29	- 6/30/30	10,193,578	0	0	0.0%	2,615,734	2,615,734	7,577,843
Total		219,497,013	190,353,146	18,950,289		10,057,977	200,411,123	19,085,890

Notes:

- (2) Exhibit 1, Page 4, Col (2); 7/1/2029 is based on Exhibit 3, Col (8) selected, adjusted for trend
- (3) Exhibit 1, Page 4, Col (7)
- (4) (2) - (3)
- (5) Based on Appendix A, Page 2
- (6) [Prior (5) - (5)] / [1 - (5)] x [(2) - (3)] + (3)
- (7) (3) + (6)
- (8) (2) - (7)

North Carolina Volunteer Safety Workers' Compensation Fund
As of 6/30/2025
Development of Indicated Total Reserves

Exhibit 2

Fiscal Year		Paid Loss & ALAE	Case Reserves	Incurred Loss & ALAE	Estimated Ultimate Loss & ALAE						Selected Ultimate Loss & ALAE	Total IBNR Reserves	Total Loss & ALAE Reserves	ULAE Reserves	Total Reserves
					Expected Loss Method	Paid Dev. Method	Incurred Dev. Method	Case Dev. Method	Paid B-F Method	Incurred B-F Method					
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
7/1/02	- 6/30/03	5,465,234	0	5,465,234	4,653,034	5,465,234	5,465,234	5,465,234	5,465,234	5,465,234	5,465,234	0	0		
7/1/03	- 6/30/04	5,710,967	0	5,710,967	4,797,204	5,710,967	5,710,967	5,710,967	5,710,967	5,710,967	5,710,967	0	0		
7/1/04	- 6/30/05	5,013,177	34,789	5,047,966	4,984,126	5,038,243	5,063,110	5,100,410	5,037,974	5,062,874	5,063,110	15,144	49,933		
7/1/05	- 6/30/06	5,787,570	0	5,787,570	5,145,197	5,816,508	5,804,933	5,787,570	5,813,168	5,802,959	5,787,570	0	0		
7/1/06	- 6/30/07	6,885,034	0	6,885,034	5,366,710	6,919,460	6,905,690	6,885,034	6,911,734	6,901,086	6,885,034	0	0		
7/1/07	- 6/30/08	7,660,552	28,594	7,689,146	5,574,887	7,706,554	7,712,213	7,717,863	7,693,829	7,705,820	7,717,863	28,717	57,311		
7/1/08	- 6/30/09	6,698,844	14,116	6,712,960	5,772,584	6,745,809	6,733,099	6,723,592	6,739,033	6,730,226	6,723,592	10,632	24,748		
7/1/09	- 6/30/10	9,138,639	0	9,138,639	5,955,523	9,211,913	9,166,055	9,138,639	9,186,011	9,156,453	9,138,639	0	0		
7/1/10	- 6/30/11	10,643,209	32,149	10,675,358	6,318,817	10,739,275	10,718,091	10,701,210	10,699,732	10,700,551	10,701,210	25,852	58,001		
7/1/11	- 6/30/12	9,098,737	0	9,098,737	6,702,336	9,190,043	9,144,294	9,098,737	9,165,327	9,132,128	9,098,737	0	0		
7/1/12	- 6/30/13	7,363,160	168,998	7,532,158	6,731,697	7,444,487	7,577,442	7,736,256	7,436,700	7,572,387	7,617,145	84,987	253,986		
7/1/13	- 6/30/14	6,360,328	0	6,360,328	6,824,053	6,443,440	6,411,364	6,360,328	6,448,349	6,414,649	6,360,328	0	0		
7/1/14	- 6/30/15	6,187,940	0	6,187,940	6,850,486	6,281,337	6,250,068	6,187,940	6,289,799	6,256,036	6,187,940	0	0		
7/1/15	- 6/30/16	6,908,604	566,696	7,475,301	6,941,908	7,047,943	7,573,005	8,539,770	7,045,846	7,564,862	7,814,696	339,395	906,091		
7/1/16	- 6/30/17	5,286,532	0	5,286,532	7,149,434	5,448,522	5,382,406	5,286,532	5,499,092	5,413,881	5,382,406	95,874	95,874		
7/1/17	- 6/30/18	9,255,797	611,255	9,867,052	7,486,205	9,573,012	10,096,227	11,196,405	9,503,863	10,036,982	10,096,227	229,174	840,430		
7/1/18	- 6/30/19	4,611,916	93,466	4,705,382	7,634,010	4,830,535	4,910,964	5,857,546	4,957,414	5,024,956	4,910,964	205,582	299,048		
7/1/19	- 6/30/20	7,918,590	1,866,824	9,785,414	8,012,868	8,385,189	10,264,011	19,439,167	8,364,471	10,159,043	10,264,011	478,597	2,345,421		
7/1/20	- 6/30/21	5,950,970	575,625	6,526,595	8,189,531	6,537,137	6,914,264	7,487,155	6,685,303	6,985,766	6,950,015	423,419	999,044		
7/1/21	- 6/30/22	6,340,951	889,678	7,230,630	7,986,655	7,421,112	7,736,718	7,956,838	7,503,428	7,753,067	7,744,893	514,263	1,403,941		
7/1/22	- 6/30/23	5,047,915	591,324	5,639,240	8,091,634	6,508,655	6,320,431	6,185,560	6,863,924	6,511,324	6,415,877	776,638	1,367,962		
7/1/23	- 6/30/24	5,291,870	1,384,684	6,676,554	8,265,380	8,592,725	8,009,994	7,735,531	8,466,977	8,052,508	8,052,508	1,375,954	2,760,639		
7/1/24	- 6/30/25	2,779,804	4,022,551	6,802,355	9,232,637	10,832,959	10,854,023	10,859,474	9,643,290	10,248,780	10,400,091	3,597,736	7,620,287		
Total		151,406,341	10,880,751	162,287,093	154,666,918	167,891,058	170,724,600	183,157,758	167,131,466	170,362,540	170,489,057	8,201,965	19,082,716	613,905	19,696,621

Low Estimate = 90% of Total 17,174,444 552,515 17,726,959
High Estimate = 110% of Total 20,990,988 675,296 21,666,283

Notes:

- (2) - (4) Provided by Client
(5) Exhibit 3, Col (10)
(6) Exhibit 5, Col (4)
(7) Exhibit 5, Col (7)
(8) Exhibit 5, Col (10)
(9) Exhibit 3, Col (11)
(10) Exhibit 3, Col (12)
(11) Judgmental selection based on (5) through (10)
(12) (11) - (4)
(13) (3) + (12)
(14) $[0.5 \times (3) + (12)] \times 4.5\%$; where 4.5% is the estimated ULAE ratio based on Pinnacle's review of industry data
(15) (13) + (14)

North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Bornhuetter-Ferguson (B-F) Method

Exhibit 3

Fiscal Year	Exposure	Initial Expected Loss & ALAE	Initial Expected Loss Cost	NCCI Benefit Level	Trend Factor	Retention Adjustment	Indicated Loss Cost	Selected Loss Cost	Expected Loss Method	Paid B-F Method	Incurred B-F Method
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
7/1/02 - 6/30/03	41,732	5,465,234	130.96	1.021	1.577	1.142	240.78	111.50	4,653,034	5,465,234	5,465,234
7/1/03 - 6/30/04	41,951	5,710,967	136.13	1.016	1.546	1.142	244.05	114.35	4,797,204	5,710,967	5,710,967
7/1/04 - 6/30/05	42,539	5,067,255	119.12	1.011	1.516	1.142	208.42	117.17	4,984,126	5,037,974	5,062,874
7/1/05 - 6/30/06	42,988	5,787,570	134.63	1.010	1.486	1.142	230.59	119.69	5,145,197	5,813,168	5,802,959
7/1/06 - 6/30/07	43,829	6,885,034	157.09	1.007	1.457	1.142	263.00	122.45	5,366,710	6,911,734	6,901,086
7/1/07 - 6/30/08	44,480	7,712,210	173.39	1.003	1.428	1.142	283.59	125.33	5,574,887	7,693,829	7,705,820
7/1/08 - 6/30/09	45,042	6,734,167	149.51	1.001	1.400	1.142	239.15	128.16	5,772,584	6,739,033	6,730,226
7/1/09 - 6/30/10	45,422	9,138,639	201.19	0.998	1.373	1.142	314.57	131.12	5,955,523	9,186,011	9,156,453
7/1/10 - 6/30/11	45,860	10,719,525	233.74	0.995	1.346	1.110	347.77	137.78	6,318,817	10,699,732	10,700,551
7/1/11 - 6/30/12	43,477	9,098,737	209.28	1.008	1.319	1.000	278.30	154.16	6,702,336	9,165,327	9,132,128
7/1/12 - 6/30/13	42,799	7,586,061	177.25	1.008	1.294	1.000	231.02	157.29	6,731,697	7,436,700	7,572,387
7/1/13 - 6/30/14	42,787	6,360,328	148.65	1.013	1.268	1.000	191.07	159.49	6,824,053	6,448,349	6,414,649
7/1/14 - 6/30/15	42,492	6,187,940	145.63	1.023	1.243	1.000	185.17	161.22	6,850,486	6,289,799	6,256,036
7/1/15 - 6/30/16	42,512	7,720,239	181.60	1.030	1.219	1.000	227.98	163.29	6,941,908	7,045,846	7,564,862
7/1/16 - 6/30/17	42,882	5,286,532	123.28	1.029	1.195	1.000	151.58	166.72	7,149,434	5,499,092	5,413,881
7/1/17 - 6/30/18	43,891	10,288,548	234.41	1.026	1.172	1.000	281.74	170.56	7,486,205	9,503,863	10,036,982
7/1/18 - 6/30/19	43,672	5,199,682	119.06	1.021	1.149	1.000	139.63	174.80	7,634,010	4,957,414	5,024,956
7/1/19 - 6/30/20	44,739	12,696,122	283.78	1.016	1.126	1.000	324.82	179.10	8,012,868	8,364,471	10,159,043
7/1/20 - 6/30/21	44,562	6,979,519	156.62	1.010	1.104	1.000	174.71	183.78	8,189,531	6,685,303	6,985,766
7/1/21 - 6/30/22	42,414	7,704,889	181.66	1.006	1.082	1.000	197.77	188.30	7,986,655	7,503,428	7,753,067
7/1/22 - 6/30/23	42,024	6,338,215	150.82	1.003	1.061	1.000	160.58	192.55	8,091,634	6,863,924	6,511,324
7/1/23 - 6/30/24	41,995	8,112,750	193.18	1.001	1.040	1.000	201.21	196.82	8,265,380	8,466,977	8,052,508
7/1/24 - 6/30/25	45,938	10,848,819	236.16	1.000	1.020	1.000	240.89	200.98	9,232,637	9,643,290	10,248,780
Total	1,000,027	173,628,982	173.62				233.86	154.66	154,666,918	167,131,466	170,362,540

Notes:

(2)	Provided by Client	All Year	232.97
(3)	Exhibit 4, Col (5)	Last 10	210.09
(4)	(3) / (2)	Last 10 Wtd.	210.81
(5)	Based on data provided in NCCI Annual Statistical Bulletin	Last 5	195.03
(6)	Based on an annual trend factor of 2.0%	Last 5 Wtd.	195.62
(7)	Based on Pinnacle analysis of industry ELPPF data	Selected	205.00
(8)	(4) x (5) x (6) x (7)		
(9)	Judgmental selection based on (8)		
(10)	(2) x (9)		
(11)	(10) x [1 - 1 / Exhibit 5, Col (3)] + Exhibit 5, Col (2)		
(12)	(10) x [1 - 1 / Exhibit 5, Col (6)] + Exhibit 5, Col (5)		

North Carolina Volunteer Safety Workers' Compensation Fund

Exhibit 4

As of 6/30/2025

Development of Initial Expected Losses

	Fiscal Year		Paid Dev. Method	Incurred Dev. Method	Case Dev. Method	Initial Expected Loss & ALAE
	(1)		(2)	(3)	(4)	(5)
7/1/02	-	6/30/03	5,465,234	5,465,234	5,465,234	5,465,234
7/1/03	-	6/30/04	5,710,967	5,710,967	5,710,967	5,710,967
7/1/04	-	6/30/05	5,038,243	5,063,110	5,100,410	5,067,255
7/1/05	-	6/30/06	5,816,508	5,804,933	5,787,570	5,787,570
7/1/06	-	6/30/07	6,919,460	6,905,690	6,885,034	6,885,034
7/1/07	-	6/30/08	7,706,554	7,712,213	7,717,863	7,712,210
7/1/08	-	6/30/09	6,745,809	6,733,099	6,723,592	6,734,167
7/1/09	-	6/30/10	9,211,913	9,166,055	9,138,639	9,138,639
7/1/10	-	6/30/11	10,739,275	10,718,091	10,701,210	10,719,525
7/1/11	-	6/30/12	9,190,043	9,144,294	9,098,737	9,098,737
7/1/12	-	6/30/13	7,444,487	7,577,442	7,736,256	7,586,061
7/1/13	-	6/30/14	6,443,440	6,411,364	6,360,328	6,360,328
7/1/14	-	6/30/15	6,281,337	6,250,068	6,187,940	6,187,940
7/1/15	-	6/30/16	7,047,943	7,573,005	8,539,770	7,720,239
7/1/16	-	6/30/17	5,448,522	5,382,406	5,286,532	5,286,532
7/1/17	-	6/30/18	9,573,012	10,096,227	11,196,405	10,288,548
7/1/18	-	6/30/19	4,830,535	4,910,964	5,857,546	5,199,682
7/1/19	-	6/30/20	8,385,189	10,264,011	19,439,167	12,696,122
7/1/20	-	6/30/21	6,537,137	6,914,264	7,487,155	6,979,519
7/1/21	-	6/30/22	7,421,112	7,736,718	7,956,838	7,704,889
7/1/22	-	6/30/23	6,508,655	6,320,431	6,185,560	6,338,215
7/1/23	-	6/30/24	8,592,725	8,009,994	7,735,531	8,112,750
7/1/24	-	6/30/25	10,832,959	10,854,023	10,859,474	10,848,819
Total			167,891,058	170,724,600	183,157,758	173,628,982

Notes:

- (2) Exhibit 5, Col (4)
- (3) Exhibit 5, Col (7)
- (4) Exhibit 5, Col (10)
- (5) Judgmentally selected based on (2) through (4)



North Carolina Volunteer Safety Workers' Compensation Fund

Exhibit 5

As of 6/30/2025

Loss Development Method

Fiscal Year		Paid Development Method			Incurred Development Method			Case Development Method		
		Paid Loss & ALAE	Loss Dev. Factor	Estimated Ultimate	Incurred Loss & ALAE	Loss Dev. Factor	Estimated Ultimate	Case Reserves	Loss Dev. Factor	Estimated Ultimate
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
7/1/02	- 6/30/03	5,465,234	1.000	5,465,234	5,465,234	1.000	5,465,234	0	1.000	5,465,234
7/1/03	- 6/30/04	5,710,967	1.000	5,710,967	5,710,967	1.000	5,710,967	0	1.000	5,710,967
7/1/04	- 6/30/05	5,013,177	1.005	5,038,243	5,047,966	1.003	5,063,110	34,789	2.507	5,100,410
7/1/05	- 6/30/06	5,787,570	1.005	5,816,508	5,787,570	1.003	5,804,933	0	2.507	5,787,570
7/1/06	- 6/30/07	6,885,034	1.005	6,919,460	6,885,034	1.003	6,905,690	0	2.507	6,885,034
7/1/07	- 6/30/08	7,660,552	1.006	7,706,554	7,689,146	1.003	7,712,213	28,594	2.004	7,717,863
7/1/08	- 6/30/09	6,698,844	1.007	6,745,809	6,712,960	1.003	6,733,099	14,116	1.753	6,723,592
7/1/09	- 6/30/10	9,138,639	1.008	9,211,913	9,138,639	1.003	9,166,055	0	1.603	9,138,639
7/1/10	- 6/30/11	10,643,209	1.009	10,739,275	10,675,358	1.004	10,718,091	32,149	1.804	10,701,210
7/1/11	- 6/30/12	9,098,737	1.010	9,190,043	9,098,737	1.005	9,144,294	0	2.006	9,098,737
7/1/12	- 6/30/13	7,363,160	1.011	7,444,487	7,532,158	1.006	7,577,442	168,998	2.208	7,736,256
7/1/13	- 6/30/14	6,360,328	1.013	6,443,440	6,360,328	1.008	6,411,364	0	2.612	6,360,328
7/1/14	- 6/30/15	6,187,940	1.015	6,281,337	6,187,940	1.010	6,250,068	0	3.017	6,187,940
7/1/15	- 6/30/16	6,908,604	1.020	7,047,943	7,475,301	1.013	7,573,005	566,696	2.878	8,539,770
7/1/16	- 6/30/17	5,286,532	1.031	5,448,522	5,286,532	1.018	5,382,406	0	2.495	5,286,532
7/1/17	- 6/30/18	9,255,797	1.034	9,573,012	9,867,052	1.023	10,096,227	611,255	3.175	11,196,405
7/1/18	- 6/30/19	4,611,916	1.047	4,830,535	4,705,382	1.044	4,910,964	93,466	13.327	5,857,546
7/1/19	- 6/30/20	7,918,590	1.059	8,385,189	9,785,414	1.049	10,264,011	1,866,824	6.171	19,439,167
7/1/20	- 6/30/21	5,950,970	1.098	6,537,137	6,526,595	1.059	6,914,264	575,625	2.669	7,487,155
7/1/21	- 6/30/22	6,340,951	1.170	7,421,112	7,230,630	1.070	7,736,718	889,678	1.816	7,956,838
7/1/22	- 6/30/23	5,047,915	1.289	6,508,655	5,639,240	1.121	6,320,431	591,324	1.924	6,185,560
7/1/23	- 6/30/24	5,291,870	1.624	8,592,725	6,676,554	1.200	8,009,994	1,384,684	1.765	7,735,531
7/1/24	- 6/30/25	2,779,804	3.897	10,832,959	6,802,355	1.596	10,854,023	4,022,551	2.009	10,859,474
Total		151,406,341		167,891,058	162,287,093		170,724,600	10,880,751		183,157,758

Notes:

- (2) Provided by Client
- (3) Based on Appendix A, Page 2
- (4) (2) x (3)
- (5) Provided by Client
- (6) Based on Appendix A, Page 1
- (7) (5) x (6)
- (8) (5) - (2)
- (9) $1 / \{ [1/(6) - 1/(3)] / [1 - 1/(3)] \}$
- (10) (8) x (9) + (2)



North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Comparison from Prior Analysis

Exhibit 6

Page 1

As of 6/30/2025					
Fiscal Year	Paid Loss & ALAE	Case Reserves	Incurred Loss & ALAE	Selected Ultimate Loss & ALAE	Total Indicated Loss & ALAE Reserves
(1)	(2)	(3)	(4)	(5)	(6)
7/1/04 - 6/30/05	5,013,177	34,789	5,047,966	5,063,110	49,933
7/1/05 - 6/30/06	5,787,570	0	5,787,570	5,787,570	0
7/1/06 - 6/30/07	6,885,034	0	6,885,034	6,885,034	0
7/1/07 - 6/30/08	7,660,552	28,594	7,689,146	7,717,863	57,311
7/1/08 - 6/30/09	6,698,844	14,116	6,712,960	6,723,592	24,748
7/1/09 - 6/30/10	9,138,639	0	9,138,639	9,138,639	0
7/1/10 - 6/30/11	10,643,209	32,149	10,675,358	10,701,210	58,001
7/1/11 - 6/30/12	9,098,737	0	9,098,737	9,098,737	0
7/1/12 - 6/30/13	7,363,160	168,998	7,532,158	7,617,145	253,986
7/1/13 - 6/30/14	6,360,328	0	6,360,328	6,360,328	0
7/1/14 - 6/30/15	6,187,940	0	6,187,940	6,187,940	0
7/1/15 - 6/30/16	6,908,604	566,696	7,475,301	7,814,696	906,091
7/1/16 - 6/30/17	5,286,532	0	5,286,532	5,382,406	95,874
7/1/17 - 6/30/18	9,255,797	611,255	9,867,052	10,096,227	840,430
7/1/18 - 6/30/19	4,611,916	93,466	4,705,382	4,910,964	299,048
7/1/19 - 6/30/20	7,918,590	1,866,824	9,785,414	10,264,011	2,345,421
7/1/20 - 6/30/21	5,950,970	575,625	6,526,595	6,950,015	999,044
7/1/21 - 6/30/22	6,340,951	889,678	7,230,630	7,744,893	1,403,941
7/1/22 - 6/30/23	5,047,915	591,324	5,639,240	6,415,877	1,367,962
7/1/23 - 6/30/24	5,291,870	1,384,684	6,676,554	8,052,508	2,760,639
Total	137,450,337	6,858,200	144,308,536	148,912,765	11,462,429

As of 6/30/2024					
Fiscal Year	Paid Loss & ALAE	Case Reserves	Incurred Loss & ALAE	Selected Ultimate Loss & ALAE	Total Indicated Loss & ALAE Reserves
(1)	(7)	(8)	(9)	(10)	(11)
7/1/04 - 6/30/05	5,011,256	36,710	5,047,966	5,098,000	86,744
7/1/05 - 6/30/06	5,787,570	0	5,787,570	5,787,570	0
7/1/06 - 6/30/07	6,885,043	0	6,885,043	6,885,043	0
7/1/07 - 6/30/08	7,664,424	54,734	7,719,158	7,812,000	147,576
7/1/08 - 6/30/09	6,569,031	0	6,569,031	6,569,031	0
7/1/09 - 6/30/10	9,039,101	7,120	9,046,221	9,155,000	115,899
7/1/10 - 6/30/11	10,629,461	51,470	10,680,931	10,820,000	190,539
7/1/11 - 6/30/12	9,098,737	0	9,098,737	9,098,737	0
7/1/12 - 6/30/13	7,347,836	184,322	7,532,158	7,651,000	303,164
7/1/13 - 6/30/14	6,360,610	0	6,360,610	6,360,610	0
7/1/14 - 6/30/15	6,093,990	95,711	6,189,701	6,450,000	356,010
7/1/15 - 6/30/16	6,887,466	587,835	7,475,301	7,848,000	960,534
7/1/16 - 6/30/17	5,285,807	0	5,285,807	5,285,807	0
7/1/17 - 6/30/18	9,104,213	270,227	9,374,440	9,743,000	638,787
7/1/18 - 6/30/19	4,577,525	127,857	4,705,382	5,039,000	461,475
7/1/19 - 6/30/20	7,613,344	2,064,062	9,677,406	10,312,000	2,698,656
7/1/20 - 6/30/21	5,847,979	1,110,663	6,958,642	7,666,000	1,818,021
7/1/21 - 6/30/22	5,791,427	1,089,069	6,880,496	7,518,000	1,726,573
7/1/22 - 6/30/23	4,012,468	1,276,853	5,289,321	6,686,000	2,673,532
7/1/23 - 6/30/24	2,811,128	2,720,618	5,531,746	8,683,000	5,871,872
Total	132,418,416	9,677,251	142,095,667	150,467,798	18,049,382

* See page 2 for notes

North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Comparison from Prior Analysis

Exhibit 6

Page 2

		Difference				
Policy Period		Paid Loss & ALAE	Case Reserves	Incurred Loss & ALAE	Selected Ultimate Loss & ALAE	Total Indicated Loss & ALAE Reserves
(1)		(12)	(13)	(14)	(15)	(16)
7/1/04 - 6/30/05		1,921	(1,921)	0	(34,890)	(36,811)
7/1/05 - 6/30/06		(0)	0	(0)	(0)	0
7/1/06 - 6/30/07		(9)	0	(9)	(9)	0
7/1/07 - 6/30/08		(3,872)	(26,140)	(30,012)	(94,137)	(90,265)
7/1/08 - 6/30/09		129,813	14,116	143,929	154,561	24,748
7/1/09 - 6/30/10		99,538	(7,120)	92,418	(16,361)	(115,899)
7/1/10 - 6/30/11		13,748	(19,321)	(5,573)	(118,790)	(132,538)
7/1/11 - 6/30/12		(0)	0	(0)	(0)	0
7/1/12 - 6/30/13		15,324	(15,324)	0	(33,855)	(49,178)
7/1/13 - 6/30/14		(282)	0	(282)	(282)	0
7/1/14 - 6/30/15		93,950	(95,711)	(1,761)	(262,060)	(356,010)
7/1/15 - 6/30/16		21,138	(21,139)	(0)	(33,304)	(54,443)
7/1/16 - 6/30/17		725	0	725	96,599	95,874
7/1/17 - 6/30/18		151,584	341,028	492,612	353,227	201,643
7/1/18 - 6/30/19		34,391	(34,391)	0	(128,036)	(162,427)
7/1/19 - 6/30/20		305,246	(197,238)	108,008	(47,989)	(353,235)
7/1/20 - 6/30/21		102,991	(535,038)	(432,047)	(715,985)	(818,977)
7/1/21 - 6/30/22		549,524	(199,391)	350,134	226,893	(322,632)
7/1/22 - 6/30/23		1,035,447	(685,529)	349,919	(270,123)	(1,305,570)
7/1/23 - 6/30/24		2,480,742	(1,335,934)	1,144,808	(630,492)	(3,111,233)
Total		5,031,921	(2,819,051)	2,212,869	(1,555,033)	(6,586,953)

Notes:

- (2) Exhibit 5, Col (2)
- (3) (4) - (2)
- (4) Exhibit 5, Col (5)
- (5) Exhibit 1, Page 1, Col (2)
- (6) (5) - (2)
- (7) - (10) Provided by Client
- (11) (10) - (7)
- (12) (2) - (7)
- (13) (3) - (8)
- (14) (4) - (9)
- (15) (5) - (10)
- (16) (6) - (11)

North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Expected vs. Actual Analysis

Exhibit 7

Fiscal Year		As of 6/30/2024							Development between 6/30/2024 and 6/30/2025					
		Sel. Ultimate	Paid	Incurred	Estimated % to Ultimate				Expected		Actual		Difference	
		Loss & ALAE	Loss & ALAE	Loss & ALAE	Paid	Incurred	Unpaid	Unreported	Paid	Incurred	Paid	Incurred	Paid	Incurred
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
7/1/04	- 6/30/05	5,098,000	5,011,256	5,047,966	99.0%	99.0%	86,744	50,034	43,264	24,955	1,921	0	(41,343)	(24,955)
7/1/05	- 6/30/06	5,787,570	5,787,570	5,787,570	99.0%	98.9%	0	0	0	0	(0)	(0)	(0)	(0)
7/1/06	- 6/30/07	6,885,043	6,885,043	6,885,043	99.0%	98.9%	0	0	0	0	(9)	(9)	(9)	(9)
7/1/07	- 6/30/08	7,812,000	7,664,424	7,719,158	99.0%	98.8%	147,576	92,842	0	7,723	(3,872)	(30,012)	(3,872)	(37,736)
7/1/08	- 6/30/09	6,569,031	6,569,031	6,569,031	98.8%	98.8%	0	0	0	0	129,813	143,929	129,813	143,929
7/1/09	- 6/30/10	9,155,000	9,039,101	9,046,221	98.6%	98.8%	115,899	108,779	16,505	0	99,538	92,418	83,033	92,418
7/1/10	- 6/30/11	10,820,000	10,629,461	10,680,931	97.8%	98.7%	190,539	139,069	68,798	10,671	13,748	(5,573)	(55,050)	(16,244)
7/1/11	- 6/30/12	9,098,737	9,098,737	9,098,737	97.1%	98.0%	0	0	0	0	(0)	(0)	(0)	(0)
7/1/12	- 6/30/13	7,651,000	7,347,836	7,532,158	96.3%	97.3%	303,164	118,842	62,870	30,511	15,324	0	(47,547)	(30,511)
7/1/13	- 6/30/14	6,360,610	6,360,610	6,360,610	95.5%	96.7%	0	0	0	0	(282)	(282)	(282)	(282)
7/1/14	- 6/30/15	6,450,000	6,093,990	6,189,701	94.7%	96.0%	356,010	260,299	56,904	43,698	93,950	(1,761)	37,046	(45,459)
7/1/15	- 6/30/16	7,848,000	6,887,466	7,475,301	93.8%	95.3%	960,534	372,699	131,353	53,255	21,138	(0)	(110,214)	(53,255)
7/1/16	- 6/30/17	5,285,807	5,285,807	5,285,807	93.0%	94.7%	0	0	0	0	725	725	725	725
7/1/17	- 6/30/18	9,743,000	9,104,213	9,374,440	92.2%	94.0%	638,787	368,560	67,569	40,484	151,584	492,612	84,015	452,128
7/1/18	- 6/30/19	5,039,000	4,577,525	4,705,382	91.3%	93.4%	461,475	333,618	43,788	32,812	34,391	0	(9,396)	(32,812)
7/1/19	- 6/30/20	10,312,000	7,613,344	9,677,406	87.7%	92.4%	2,698,656	634,594	791,795	77,499	305,246	108,008	(486,550)	30,509
7/1/20	- 6/30/21	7,666,000	5,847,979	6,958,642	84.3%	91.5%	1,818,021	707,358	399,740	76,304	102,991	(432,047)	(296,748)	(508,350)
7/1/21	- 6/30/22	7,518,000	5,791,427	6,880,496	78.2%	88.1%	1,726,573	637,504	482,675	183,735	549,524	350,134	66,849	166,399
7/1/22	- 6/30/23	6,686,000	4,012,468	5,289,321	62.8%	82.2%	2,673,532	1,396,679	1,103,621	459,251	1,035,447	349,919	(68,173)	(109,332)
7/1/23	- 6/30/24	8,683,000	2,811,128	5,531,746	24.9%	59.9%	5,871,872	3,151,254	2,965,639	1,757,269	2,480,742	1,144,808	(484,897)	(612,461)
Total		150,467,798	132,418,416	142,095,667			18,049,382	8,372,131	6,234,521	2,798,166	5,031,921	2,212,869	(1,202,600)	(585,297)

Notes:

- (2) Exhibit 6, Page 1, Col (10)
- (3) Exhibit 6, Page 1, Col (7)
- (4) Exhibit 6, Page 1, Col (9)
- (5) - (6) From prior Allen Consulting actuarial report as of 6/30/2024
- (7) (2) - (3)
- (7) - (10) (2) - (4)
- (9) Expected development over the last 12 months based on Col (5) x Col (7)
- (10) Expected development over the last 12 months based on Col (6) x Col (8)
- (11) Exhibit 6, Page 2, Col (12)
- (12) Exhibit 6, Page 2, Col (14)
- (13) (11) - (9)
- (14) (12) - (10)



North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Diagnostics

Exhibit 8

Page 1

Fiscal Year	Selected Ultimate Loss & ALAE	Exposure (Headcount)	Indicated Ultimate Loss Cost	Indicated Ultimate Claim Counts	Indicated Ultimate Severity
(1)	(2)	(3)	(4)	(5)	(6)
7/1/02 - 6/30/03	5,465,234	41,732	130.96	844	6,475
7/1/03 - 6/30/04	5,710,967	41,951	136.13	849	6,727
7/1/04 - 6/30/05	5,063,110	42,539	119.02	766	6,610
7/1/05 - 6/30/06	5,787,570	42,988	134.63	862	6,714
7/1/06 - 6/30/07	6,885,034	43,829	157.09	821	8,386
7/1/07 - 6/30/08	7,717,863	44,480	173.51	879	8,780
7/1/08 - 6/30/09	6,723,592	45,042	149.27	788	8,532
7/1/09 - 6/30/10	9,138,639	45,422	201.19	877	10,420
7/1/10 - 6/30/11	10,701,210	45,860	233.35	869	12,314
7/1/11 - 6/30/12	9,098,737	43,477	209.28	807	11,275
7/1/12 - 6/30/13	7,617,145	42,799	177.97	746	10,211
7/1/13 - 6/30/14	6,360,328	42,787	148.65	775	8,207
7/1/14 - 6/30/15	6,187,940	42,492	145.63	649	9,535
7/1/15 - 6/30/16	7,814,696	42,512	183.82	690	11,326
7/1/16 - 6/30/17	5,382,406	42,882	125.52	715	7,531
7/1/17 - 6/30/18	10,096,227	43,891	230.03	630	16,037
7/1/18 - 6/30/19	4,910,964	43,672	112.45	674	7,283
7/1/19 - 6/30/20	10,264,011	44,739	229.42	648	15,840
7/1/20 - 6/30/21	6,950,015	44,562	155.96	602	11,543
7/1/21 - 6/30/22	7,744,893	42,414	182.60	571	13,570
7/1/22 - 6/30/23	6,415,877	42,024	152.67	546	11,754
7/1/23 - 6/30/24	8,052,508	41,995	191.75	577	13,950
7/1/24 - 6/30/25	10,400,091	45,938	226.39	623	16,685
Total	170,489,057	1,000,027	170.48	16,808	10,143

Notes:

- (2) Exhibit 2, Col (11)
- (3) Exhibit 3, Col (2)
- (4) (2) / (3)
- (5) Exhibit 8, Page 2, Col (4)
- (6) (2) / (5)

North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Diagnostics - Development of Ultimate Claim Counts

Exhibit 8

Page 2

Fiscal Year	Reported Claim Counts	Loss Dev. Factor	Indicated Ultimate Counts
(1)	(2)	(3)	(4)
7/1/02 - 6/30/03	844	1.000	844
7/1/03 - 6/30/04	849	1.000	849
7/1/04 - 6/30/05	766	1.000	766
7/1/05 - 6/30/06	862	1.000	862
7/1/06 - 6/30/07	821	1.000	821
7/1/07 - 6/30/08	879	1.000	879
7/1/08 - 6/30/09	788	1.000	788
7/1/09 - 6/30/10	877	1.000	877
7/1/10 - 6/30/11	869	1.000	869
7/1/11 - 6/30/12	807	1.000	807
7/1/12 - 6/30/13	746	1.000	746
7/1/13 - 6/30/14	775	1.000	775
7/1/14 - 6/30/15	649	1.000	649
7/1/15 - 6/30/16	690	1.000	690
7/1/16 - 6/30/17	710	1.007	715
7/1/17 - 6/30/18	620	1.015	630
7/1/18 - 6/30/19	660	1.022	674
7/1/19 - 6/30/20	629	1.030	648
7/1/20 - 6/30/21	579	1.040	602
7/1/21 - 6/30/22	543	1.051	571
7/1/22 - 6/30/23	510	1.070	546
7/1/23 - 6/30/24	524	1.102	577
7/1/24 - 6/30/25	503	1.239	623
Total	16,500		16,808

Notes:

- (2) Provided by Client
- (3) Based on Pinnacle analysis of industry data
- (4) (2) x (3)

North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Incurred Loss & ALAE Development - Unlimited

Appendix A

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Fiscal Year	Evaluation Point - Measured in Months																				
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252
2004 - 2005	3,821,218	4,112,200	4,905,966	5,275,063	5,343,269	5,361,769	5,376,990	5,136,175	5,282,607	5,282,607	5,017,140	5,017,566	5,017,566	5,021,066	5,021,066	5,021,066	5,021,339	5,040,056	5,036,933	5,047,966	5,047,966
2005 - 2006	5,757,917	5,264,806	5,937,410	6,153,287	5,606,560	5,615,041	5,792,275	5,768,530	5,768,530	5,768,796	5,768,825	5,787,599	5,787,599	5,787,570	5,787,633	5,787,633	5,787,570	5,787,570	5,787,570	5,787,570	5,787,570
2006 - 2007	4,461,832	6,162,987	6,567,515	6,234,039	6,629,216	6,701,277	8,094,087	8,129,330	8,129,833	8,129,833	7,855,110	7,855,127	7,855,135	7,855,135	7,857,135	7,862,866	7,854,584	7,854,584	7,854,584	7,854,584	7,854,584
2007 - 2008	5,312,951	5,050,042	6,107,314	6,475,209	6,734,186	6,623,026	6,822,580	7,357,047	7,446,259	7,446,476	7,525,509	7,541,070	7,857,781	7,858,981	7,719,158	7,719,158	7,719,158	7,719,158	7,719,158	7,719,158	7,719,158
2008 - 2009	4,839,876	5,598,662	7,995,783	8,242,334	8,349,794	8,198,666	9,728,032	8,894,963	8,147,704	8,147,704	8,147,694	8,147,694	10,098,550	9,862,162	9,878,426	9,878,426	9,878,426	9,878,426	9,878,426	9,878,426	9,878,426
2009 - 2010	7,715,579	8,722,368	10,273,436	10,285,545	10,211,019	12,396,618	12,370,165	12,395,898	11,531,088	11,531,088	11,540,411	11,541,885	11,563,067	11,563,767	11,577,875	11,564,217					
2010 - 2011	6,809,099	8,395,843	9,637,525	11,192,897	13,130,696	12,840,633	12,772,538	12,767,549	12,767,549	12,767,549	12,768,249	12,768,984	12,769,884	12,770,784	12,770,784						
2011 - 2012	5,528,560	7,522,088	8,486,249	9,281,138	9,331,866	9,273,329	9,273,473	9,215,784	9,096,637	9,097,937	9,097,937	9,098,737	9,098,737	9,098,737							
2012 - 2013	5,368,303	9,238,220	9,878,492	9,849,919	9,603,816	9,645,405	9,650,586	9,806,851	7,752,440	7,532,158	7,532,158	7,532,158	7,532,158								
2013 - 2014	4,336,871	5,808,645	6,069,025	5,965,011	6,142,347	6,152,269	6,251,668	6,425,836	6,381,338	6,360,160	6,360,610	6,360,328									
2014 - 2015	4,098,436	4,923,260	5,806,720	5,972,296	5,975,761	6,001,030	6,013,345	6,059,487	6,074,055	6,189,701	6,187,940										
2015 - 2016	5,610,160	6,379,160	6,911,384	6,767,381	7,128,754	7,127,256	7,127,256	7,475,301	7,475,301	7,475,301											
2016 - 2017	3,846,434	4,660,824	5,392,689	5,585,425	5,455,910	5,297,509	5,285,807	5,285,807	5,286,532												
2017 - 2018	6,950,631	8,172,641	8,523,385	8,872,615	9,206,905	9,442,976	9,374,440	9,867,052													
2018 - 2019	3,259,846	4,618,689	4,725,513	4,712,175	4,707,322	4,705,382	4,705,382														
2019 - 2020	5,768,885	8,374,207	9,171,511	9,594,713	9,677,406	9,785,414															
2020 - 2021	4,166,741	5,457,012	6,156,243	6,958,642	6,526,595																
2021 - 2022	4,113,428	6,865,007	6,880,496	7,230,630																	
2022 - 2023	4,947,807	5,282,361	5,639,240																		
2023 - 2024	5,479,523	6,676,554																			
2024 - 2025	6,802,355																				

Fiscal Year	Report to Report Development Factors																				
	12 24	24 36	36 48	48 60	60 72	72 84	84 96	96 108	108 120	120 132	132 144	144 156	156 168	168 180	180 192	192 204	204 216	216 228	228 240	240 252	252 Ult
2004 - 2005	1.076	1.193	1.075	1.013	1.003	1.003	0.955	1.029	1.000	0.950	1.000	1.000	1.001	1.000	1.000	1.000	1.004	0.999	1.002	1.000	
2005 - 2006	0.914	1.128	1.036	0.911	1.002	1.032	0.996	1.000	1.000	1.000	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2006 - 2007	1.381	1.066	0.949	1.063	1.011	1.208	1.004	1.000	1.000	0.966	1.000	1.000	1.000	1.000	1.001	0.999	1.000	1.000	1.000	1.000	
2007 - 2008	0.951	1.209	1.060	1.040	0.983	1.030	1.078	1.012	1.000	1.011	1.002	1.042	1.000	0.982	1.000	1.000	1.000	1.000	1.000	1.000	
2008 - 2009	1.157	1.428	1.031	1.013	0.982	1.187	0.914	0.916	1.000	1.000	1.000	1.239	0.977	1.002	1.000	1.000	1.000	1.000	1.000	1.000	
2009 - 2010	1.130	1.178	1.001	0.993	1.214	0.998	1.002	0.930	1.000	1.001	1.000	1.002	1.000	1.001	0.999						
2010 - 2011	1.233	1.148	1.161	1.173	0.978	0.995	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000							
2011 - 2012	1.361	1.128	1.094	1.005	0.994	1.000	0.994	0.987	1.000	1.000	1.000	1.000	1.000	1.000							
2012 - 2013	1.721	1.069	0.997	0.975	1.004	1.001	1.016	0.791	0.972	1.000	1.000	1.000									
2013 - 2014	1.339	1.045	0.983	1.030	1.002	1.016	1.028	0.993	0.997	1.000	1.000										
2014 - 2015	1.201	1.179	1.029	1.001	1.004	1.002	1.008	1.002	1.019	1.000											
2015 - 2016	1.137	1.083	0.979	1.053	1.000	1.000	1.049	1.000	1.000												
2016 - 2017	1.212	1.157	1.036	0.977	0.971	0.998	1.000	1.000													
2017 - 2018	1.176	1.043	1.041	1.038	1.026	0.993	1.053														
2018 - 2019	1.417	1.023	0.997	0.999	1.000	1.000															
2019 - 2020	1.452	1.095	1.046	1.009	1.011																
2020 - 2021	1.310	1.128	1.130	0.938																	
2021 - 2022	1.669	1.002	1.051																		
2022 - 2023	1.068	1.068																			
2023 - 2024	1.218																				
Straight Avg	1.256	1.125	1.039	1.014	1.012	1.031	1.007	0.974	0.999	0.993	1.001	1.031	0.997	0.998	1.000	1.000	1.001	1.000	1.001	1.000	
Vol Wtd Avg	1.246	1.120	1.040	1.018	1.016	1.028	1.006	0.966	0.999	0.995	1.000	1.030	0.997	0.998	1.000	1.000	1.001	1.000	1.001	1.000	
7 Yr Vol Wtd	1.310	1.070	1.041	1.004	1.005	1.001	1.022	0.961	0.998	1.000	1.000	1.036	0.996	0.998							
5 Yr Vol Wtd	1.334	1.065	1.054	0.996	1.005	0.998	1.031	0.941	0.997	1.000	1.000	1.040	0.995	0.998	1.000	1.000					
10 Yr Avg	1.286	1.082	1.029	1.002	0.999	1.000	1.006	0.963	0.999	0.998	1.001										
5 Yr Avg	1.343	1.063	1.053	0.992	1.001	0.999	1.027	0.957	0.997	1.000	1.000	1.048	0.995	0.997	1.000	1.000					
3 Yr Avg	1.318	1.066	1.076	0.982	1.012	0.997	1.034	1.001	1.005	1.000	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000			
Benchmark	1.326	1.060	1.025	1.003	1.003	1.003	1.002	1.001	1.001	1.019											
Prior	1.374	1.071	1.039	1.010	1.010	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.001	1.000	1.000	1.001	1.000	1.001	1.010	
Selected	1.330	1.070	1.047	1.010	1.010	1.005	1.020	1.005	1.005	1.003	1.002	1.002	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.003	
LDF to Ult	1.596	1.200	1.121	1.070	1.059	1.049	1.044	1.023	1.018	1.013	1.010	1.008	1.006	1.005	1.004	1.003	1.003	1.003	1.003	1.003	
% to Ult	62.7%	83.4%	89.2%	93.5%	94.4%	95.3%	95.8%	97.7%	98.2%	98.7%	99.0%	99.2%	99.4%	99.5%	99.6%	99.7%	99.7%	99.7%	99.7%	99.7%	

North Carolina Volunteer Safety Workers' Compensation Fund

As of 6/30/2025

Paid Loss & ALAE Development - Unlimited

Appendix A

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Fiscal Year	Evaluation Point - Measured in Months																				
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252
2004 - 2005	1,578,421	3,243,032	4,092,817	4,355,994	4,594,763	4,633,710	4,661,224	4,688,913	4,969,865	4,971,500	4,988,862	4,992,990	4,996,534	4,999,512	5,001,606	5,003,324	5,004,997	5,006,903	5,009,180	5,011,256	5,013,177
2005 - 2006	1,631,098	3,785,585	4,596,408	5,395,679	5,368,506	5,441,810	5,639,270	5,696,877	5,718,169	5,739,139	5,749,785	5,779,410	5,787,570	5,787,570	5,787,570	5,787,570	5,787,570	5,787,570	5,787,570	5,787,570	5,787,570
2006 - 2007	1,610,886	3,579,300	4,490,659	4,932,924	5,540,777	6,099,158	6,411,406	6,650,394	6,830,635	7,070,816	7,702,795	7,728,951	7,755,100	7,781,742	7,807,977	7,835,051	7,854,584	7,854,584	7,854,584		
2007 - 2008	1,877,920	3,629,339	4,178,040	4,739,264	5,507,611	5,892,358	6,033,377	6,148,626	6,270,758	6,391,817	6,581,021	6,699,281	7,697,300	7,725,493	7,612,144	7,637,782	7,664,424	7,690,564			
2008 - 2009	1,924,075	3,600,989	4,367,839	5,154,575	6,284,309	6,333,187	6,411,853	7,571,203	7,596,143	7,597,817	7,613,761	7,834,837	7,697,315	7,462,868	7,473,732	7,473,732	7,491,888				
2009 - 2010	2,720,355	5,470,528	7,129,788	8,201,012	8,493,415	8,704,743	9,116,457	9,195,478	11,500,246	11,500,796	11,508,942	11,510,579	11,563,067	11,563,767	11,570,755	11,564,217					
2010 - 2011	3,063,375	5,726,963	7,719,286	9,145,784	9,758,655	11,814,793	12,570,459	12,594,778	12,618,372	12,637,693	12,658,436	12,678,872	12,699,093	12,719,314	12,738,635						
2011 - 2012	2,276,512	5,734,974	7,027,962	7,858,015	8,588,214	8,724,360	8,845,198	9,091,177	9,096,367	9,097,937	9,097,937	9,098,737	9,098,737	9,098,737							
2012 - 2013	2,227,084	4,692,700	6,048,968	6,607,128	6,817,806	6,947,925	7,028,249	7,115,716	7,161,098	7,304,813	7,332,513	7,347,836	7,363,160								
2013 - 2014	2,059,581	4,375,889	5,409,069	5,747,266	5,858,125	6,021,364	6,095,178	6,163,575	6,207,386	6,360,160	6,360,610	6,360,328									
2014 - 2015	2,013,995	3,991,303	5,013,846	5,422,859	5,947,021	5,962,259	5,975,424	6,006,024	6,049,739	6,093,990	6,187,940										
2015 - 2016	2,090,641	5,224,578	6,612,274	6,629,563	6,757,469	6,786,077	6,822,733	6,862,797	6,887,466	6,908,604											
2016 - 2017	2,004,947	3,851,291	4,427,937	4,689,635	5,273,036	5,288,443	5,285,807	5,285,807	5,286,532												
2017 - 2018	2,416,569	4,919,596	6,659,051	7,310,662	8,173,842	8,490,278	9,104,213	9,255,797													
2018 - 2019	1,395,101	3,343,988	4,285,400	4,490,027	4,529,899	4,577,525	4,611,916														
2019 - 2020	2,410,764	5,886,741	6,696,949	7,138,631	7,613,344	7,918,590															
2020 - 2021	1,268,768	3,843,804	4,821,831	5,847,979	5,950,970																
2021 - 2022	1,628,497	4,452,715	5,791,427	6,340,951																	
2022 - 2023	1,828,236	4,005,507	5,047,915																		
2023 - 2024	2,758,905	5,291,870																			
2024 - 2025	2,779,804																				

Fiscal Year	Report to Report Development Factors																				
	12 24	24 36	36 48	48 60	60 72	72 84	84 96	96 108	108 120	120 132	132 144	144 156	156 168	168 180	180 192	192 204	204 216	216 228	228 240	240 252	252 Ult
2004 - 2005	2.055	1.262	1.064	1.055	1.008	1.006	1.006	1.060	1.000	1.003	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2005 - 2006	2.321	1.214	1.174	0.995	1.014	1.036	1.010	1.004	1.004	1.002	1.005	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2006 - 2007	2.222	1.255	1.098	1.123	1.101	1.051	1.037	1.027	1.035	1.089	1.003	1.003	1.003	1.003	1.003	1.002	1.000	1.000	1.000	1.000	
2007 - 2008	1.933	1.151	1.134	1.162	1.070	1.024	1.019	1.020	1.019	1.030	1.018	1.149	1.004	0.985	1.003	1.003	1.003				
2008 - 2009	1.872	1.213	1.180	1.219	1.008	1.012	1.181	1.003	1.000	1.002	1.029	0.982	0.970	1.001	1.000	1.002					
2009 - 2010	2.011	1.303	1.150	1.036	1.025	1.047	1.009	1.251	1.000	1.001	1.000	1.005	1.000	1.001	0.999						
2010 - 2011	1.869	1.348	1.185	1.067	1.211	1.064	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002							
2011 - 2012	2.519	1.225	1.118	1.093	1.016	1.014	1.028	1.001	1.000	1.000	1.000	1.000	1.000								
2012 - 2013	2.107	1.289	1.092	1.032	1.019	1.012	1.012	1.006	1.020	1.004	1.002	1.002									
2013 - 2014	2.125	1.236	1.063	1.019	1.028	1.012	1.011	1.007	1.025	1.000	1.000										
2014 - 2015	1.982	1.256	1.082	1.097	1.003	1.002	1.005	1.007	1.007	1.015											
2015 - 2016	2.499	1.266	1.003	1.019	1.004	1.005	1.006	1.004	1.003												
2016 - 2017	1.921	1.150	1.059	1.124	1.003	1.000	1.000	1.000													
2017 - 2018	2.036	1.354	1.098	1.118	1.039	1.072	1.017														
2018 - 2019	2.397	1.282	1.048	1.009	1.011	1.008															
2019 - 2020	2.442	1.138	1.066	1.066	1.040																
2020 - 2021	3.030	1.254	1.213	1.018																	
2021 - 2022	2.734	1.301	1.095																		
2022 - 2023	2.191	1.260																			
2023 - 2024	1.918																				
Straight Avg	2.209	1.250	1.107	1.074	1.037	1.024	1.025	1.030	1.010	1.013	1.006	1.016	0.997	0.999	1.001	1.002	1.001	1.000	1.000	1.000	
Vol Wtd Avg	2.174	1.253	1.107	1.071	1.043	1.028	1.023	1.034	1.008	1.012	1.005	1.013	0.998	0.999	1.001	1.002	1.001	1.000	1.000	1.000	
7 Yr Vol Wtd	2.316	1.245	1.080	1.065	1.020	1.019	1.013	1.004	1.006	1.003	1.006	1.015	0.997	0.999							
5 Yr Vol Wtd	2.373	1.237	1.102	1.070	1.022	1.022	1.009	1.005	1.010	1.003	1.001	0.999	0.996	0.999	1.001	1.002					
10 Yr Avg	2.315	1.250	1.082	1.060	1.037	1.024	1.027	1.030	1.011	1.014	1.006										
5 Yr Avg	2.463	1.247	1.104	1.067	1.019	1.017	1.008	1.005	1.011	1.004	1.001	0.998	0.995	0.998	1.001	1.002					
3 Yr Avg	2.281	1.272	1.125	1.031	1.030	1.026	1.008	1.004	1.012	1.006	1.001	1.001	1.001	1.001	1.001	1.003	1.001	1.000			
Benchmark	2.515	1.289	1.103	1.045	1.021	1.011	1.008	1.007	1.007	1.067											
Prior	2.520	1.244	1.078	1.041	1.041	1.009	1.009	1.009	1.009	1.009	1.008	1.008	1.008	1.008	1.002	1.002	1.000	1.000	1.000	1.010	
Selected	2.400	1.259	1.102	1.065	1.037	1.011	1.013	1.004	1.010	1.005	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.005
LDF to Ult	3.897	1.624	1.289	1.170	1.098	1.059	1.047	1.034	1.031	1.020	1.015	1.013	1.011	1.010	1.009	1.008	1.007	1.006	1.005	1.005	
% to Ult	25.7%	61.6%	77.6%	85.4%	91.0%	94.4%	95.5%	96.7%	97.0%	98.0%	98.5%	98.7%	98.9%	99.0%	99.1%	99.2%	99.3%	99.4%	99.5%	99.5%	99.5%

