
STATE OFFICE OF RISK MANAGEMENT (SORM)

Workers' Compensation, Self-Insurance Program

Actuarial Valuation of Liabilities as of August 31, 2022

February 16, 2023



Rudd and Wisdom, Inc.

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February 17, 2023

Mr. Stephen Vollbrecht
State Risk Manager and Executive Director
State Office of Risk Management
Post Office Box 13777
Austin, Texas 78711-3777

Re: Liability for Unpaid Workers' Compensation
Claims as of August 31, 2022

Dear Mr. Vollbrecht:

I, Charles V. Faerber, am associated with the firm of Rudd and Wisdom, Inc. I am a member of the American Academy of Actuaries and an Associate of the Casualty Actuarial Society. As such, I meet the Academy's qualification standards to render the actuarial opinion contained herein.

Please note that on certain exhibits that the values for the earlier years are not displayed. We have done this in an effort to focus on the years that contribute to the calculations being made and to allow the exhibits to fit more efficiently on their pages.

At your request, we have performed an actuarial analysis of the State of Texas' workers' compensation program administered by the State Office of Risk Management (SORM). This study has been based mainly on the experience of the State's workers' compensation claims incurred between September 1, 1975 and August 31, 2022. The purpose of this analysis is to determine the State's liability for unpaid workers' compensation claims as of August 31, 2022. As a result of this study, we estimate that the ultimate value of claims incurred, as of August 31, 2022, is approximately \$1.77 billion. Given that approximately \$1.71 billion has been paid through that date, the liability for unpaid claims is approximately \$56.5 million. Included in these amounts is a provision for IBNR. IBNR is the common term for claims, which have been incurred but not reported. This provision is equal to approximately \$630,600.

We were also asked to provide estimates at 50%, 60%, 75%, and 90% confidence levels and to discount the liabilities. In prior studies, we have used all of the Program's history from 1975 through 2022 to derive the statistics needed to determine these confidence levels. Those statistics displayed a higher level of

volatility and produced higher liability values. For this study, we have limited the experience to the most recent 19 years. We believe that the more recent experience better represents the current state of the Program and the exposures it insures. We have discounted these amounts at 2%, 3%, and 4%. We believe that the “Indicated Amounts” are our best estimate of the program’s anticipated future experience. The table below summarizes the results of our analysis:

Summary of Incurred Claims as of August 31, 2022
Amounts in Thousands of Dollars

<i>Description</i>	<i>Undiscounted Amounts</i>	<i>Discounted @ 2%</i>	<i>Discounted @ 3%</i>	<i>Discounted @ 4%</i>
Ultimate Incurred Claims	\$1,770,943			
Claims Paid	<u>1,714,438</u>			
Liability for Unpaid Claims				
- Indicated Amount	\$ 56,505	\$ 52,255	\$ 50,429	\$ 48,768
- 50% Confidence	119,461	111,677	108,323	105,265
- 60% Confidence	131,247	122,540	118,786	115,364
- 75% Confidence	151,068	140,806	136,380	132,344
- 90% Confidence	180,559	167,981	162,555	157,607

At this time, last year, we projected that the fiscal year ending August 31, 2022 would produce approximately \$35.71 million in claim payments. Actual payments proved to be less than expected at \$33.66 million. We now anticipate approximately \$34.11 million in claim payments for the fiscal year ending August 31, 2023, approximately \$35.34 million in claim payments for the fiscal year ending August 31, 2024, and approximately \$36.11 million in claim payments for the fiscal year ending August 31, 2025.

The table below reveals that our current cash flow projections are somewhat lower than the corresponding estimates at this time in 2021. The claim payment projection is influenced by the new claims expected to be incurred in the 2023 and 2024 fiscal years. These values are a function of covered payroll. The payroll has increased approximately 4.7% over the last five years. Claim cost trends have been negative over that period. Claim costs are generally expressed in terms of claim dollars per \$100 of payroll.

There are two significant changes that have been implemented in the past 25 years. The 77th Legislature in 2001 authorized the Workers Compensation Cost Allocation Program, which is having the effect of reducing the number of claims and lowering total paid expenditures on these claims. It appears that the allocation program is giving agencies an incentive to make their working environments safer. The second modification to the program occurred when the SORM staff implemented claims

auditing and adjusting procedures that have prevented and eliminated payments on claims that are unreasonable or not medically necessary. It appears that these two actions have had a dramatic effect on the workers' compensation program over the past 25 years. The cost allocation program and SORM's investment in the claim auditing process are paying dividends in the form of fewer claims and lower-than-expected claim payments.

The last three years have seen a reduced claim frequency. The 6,451 claims that were incurred in the 2020 fiscal year was the fewest claims in the 37 years to that point. In fiscal year 2021 there were only 5,958 claims incurred. For the 2022 fiscal year there have been only 5,766 claims reported to this point. The 2020 claim count is approximately 2.1% lower in total than what was incurred in the prior two years. The 5,958 claims in the 2021 fiscal year are approximately 7.6% fewer than the 6,451 claims incurred in FY2020. The 5,766 claims reported in Fiscal Year 2022 represents another 3.2% decrease from the 2021 fiscal year.

Summary of Paid Claim Estimates as of August 31, 2022
Amounts in Thousands of Dollars

<i>Claim Payments</i>	<i>Fiscal Year Ending 8/31/22</i>	<i>Fiscal Year Ending 8/31/23</i>	<i>Fiscal Year Ending 8/31/24</i>	<i>Fiscal Year Ending 8/31/25</i>
<i>Estimate From 8/31/21 Actuarial Analysis</i>	\$ 36,677	\$ 36,382	\$ 37,066	N/A
<i>Actual Claims Paid</i>	\$ 33,655			
<i>Estimate From 8/31/22 Actuarial Analysis</i>		\$ 34,209	\$ 35,336	\$ 36,113

We were asked to forecast incurred claims and recommend funding levels for the fiscal years ending August 31 of 2023, 2024, and 2025. The values displayed below are forecasts of future workers' compensation claim costs. These values represent the anticipated ultimate incurred value of claims to be incurred during the three years cited above. However, they do not contain any provision for administrative expenses or for allocated or unallocated loss adjustment expenses. We expect approximately 90% of the claim payments to occur within five years of the claims' occurrence. We also expect payments on the remaining 10% to extend for 20 years or more. We expect future payroll to grow 2% per year. Future indemnity claim costs are assumed to increase 2% per year and future medical claim costs are assumed to increase 3% per year. A summary of these results is displayed in the table below:

Projection of Future Incurred Claims

<i>Fiscal Year Ending</i>	<i>Projected Payroll (000)</i>	<i>Projected Loss Rate Per \$100 Payroll</i>			<i>Projected Incurred Claims (000)</i>
		<i>Indemnity</i>	<i>Medical</i>	<i>Total</i>	
August 31, 2023	\$9,231,210	\$0.1800	\$ 0.2000	\$0.3800	\$35,079
August 31, 2024	9,415,834	0.1800	0.2020	0.3820	35,965
August 31, 2025	9,604,151	0.1800	0.2039	0.3839	36,874

The projected loss rate for FY 2023 is the same as we projected 2021 report. Much of this is attributable to payroll increases that have been greater than the 2% annual growth we have assumed in the past. Note that payroll is the denominator in the calculation of these claim cost rates. While these projections are coming in lower than the corresponding values from last year, they nevertheless represent increases in the claim cost rates from their current levels. Both indemnity and medical costs have increased moderately with medical care costs increasing slightly more than indemnity costs. It is fair to say that medical costs are generally higher for all types of health insurance plans. Workers' compensation plans have not been immune to these cost increases. Because of the cost allocation program and the claim audits, SORM's workers' compensation claim costs have generally decreased since FY 2002. The FY 2008 claim cost is higher than its counterparts from other years since 2006, but still lower than the corresponding values from FY 2005 and earlier years. The early indication for FY2022 is that claim costs will be higher than expected for indemnity claims, lower than expected for medical claims, and lower than expected for claims in total. However, that data is new and may not develop as indicated. While the experience has been good, it is not prudent to count on decreasing claim costs to continue indefinitely.

Data

We have relied on claim, employee, and financial data provided by the SORM staff. While we have not verified or audited the data, we did perform some checks for reasonableness. These tests revealed some anomalies, which we will address here.

Claims

The claim data appeared to be reasonably good. The information provided is reasonably consistent with the claim data used for the 2021 actuarial study. Exhibit 10 displays a summary comparison of the claim data used for the current and prior studies. Exhibit 12 shows a distribution of the State's claims by size. The State has had only 11 claims, which have exceeded \$1 million and 72 other claims, which have exceeded \$500,000. Since there were so few of these large claims, we did not believe that they would distort the results. Thus, we have not treated them differently from the other claims and have included them in the study. The claim data did have

some minor inconsistencies. These inconsistencies were also present in the prior fiscal year data. Their effects are immaterial to the projections made and will have a diminishing impact upon future year projections. These problems were treated as described below:

1. There are approximately 29,813 claims that are coded as “Opened in Error” or “Denied.” Payments have been made on four of these claims. For purposes of this study, we have excluded all of these claims.
2. A number of claims had injury dates, which were blank or inconsistent with the payment data (i.e., there were payments prior to the injury date). For the injury dates that were blank, we used the report date. For the claims with inconsistent data, we assumed that the injury occurred in the same period as the first payment.

Payroll

We received covered payroll data from two sources. For fiscal years 1990 through 1996, we were provided Texas State Employee Workers’ Compensation Unit Statistical Reports. For fiscal years 1996 through 2022, we used payroll files by agency provided by the SORM staff. We were able to compare the two sources for the 1996 fiscal year. The Unit Statistical Reports do not report payroll for all covered agencies. For the 1996 fiscal year, the payroll from the Unit Statistical Report is approximately 9% less than that from the payroll list. Therefore, we have adjusted the payroll upward for the 1990 through 1995 fiscal years to compensate for the apparent understatement in the Unit Statistical Reports

Methodology

Paid Claim Development

We have used a paid claim development methodology to determine the reserves for unpaid workers' compensation claims reported as of August 31, 2022. Our analysis is based on claims data provided by the SORM staff. Briefly, the paid claim development methodology is used to determine the amount by which ultimate incurred claims can be expected to differ from the paid amounts as of August 31, 2022. This determination is made by analyzing the actual periodic changes (measured at annual intervals) in the paid amounts for each State of Texas claim reported through August 31, 2022. The purpose of this approach is to take advantage of our knowledge of historical payment patterns to estimate the value of incurred but unpaid claims. The selection of paid claim development factors is displayed in Exhibits 17, 18 and 19. The claim development factors are applied to paid losses in Exhibit 5.

Expected Losses

In Exhibit 6 the Bornheutter-Ferguson Method relies on an initial estimate of expected incurred losses by claim year. For this study, we have used the Selected Ultimate Incurred values from Exhibit 2 of the previous actuarial report. The

columns from which those values are taken are labeled "Indicated Amounts." So, the Selected Loss Rate for all years through 8/31/2021 is determined by dividing the Expected Ultimate Loss in Column 3 by the Payroll in Column 1. For the 2022 claim year, I have used the projected claim costs from Exhibit 6 of that prior-year report for the Selected Loss Rate. The Expected Ultimate Loss in Column 3 is then the product of multiplying the Payroll in Column 1 times the Selected Loss Rate in Column 2.

Paid Bornheutter-Ferguson Method

This approach relies on the estimate of expected losses discussed above. For this method, the inverse of a paid loss development factor ($1/LDF$) represents an estimate of the percentage of the expected losses paid to date. The complement of this number [$1-(1/LDF)$] is the estimate of the unpaid percentage. This unpaid factor multiplied by the expected loss yields the estimated Unpaid Loss. The sum of the actual Paid Loss with the estimated Unpaid Loss produces this method's estimate of ultimate incurred loss and ALAE. Exhibit 6 displays this work.

Selection of Ultimate Incurred Losses

The selection of Ultimate Incurred Losses is displayed in Exhibit 4. The Ultimate Incurred Losses are the average of the results obtained from the Paid Claim Development Method in Exhibit 5 and the Bornheutter-Ferguson Method in Exhibit 6.

Estimates at 50%, 60%, 75%, and 90% Confidence

To determine the 50%, 60%, 75%, and 90% confidence levels of the liabilities for unpaid claims we calculated the mean and standard deviation of the age-to-ultimate development factors at all durations for the most recent 19 years. Using Student's t-Distribution we obtained 50%, 60%, 75%, and 90% probability factors to apply to the standard deviations. These factors indicate the number of standard deviations above the mean that represent the various confidence levels. Application of these adjusted development factors to paid claims yields a value of ultimate incurred claims that we believe will not be exceeded 50%, 60%, 75% and 90% of the time. These calculations are also displayed in Exhibits 17, 18 and 19.

Projections of Incurred Claims and Claim Payments

Exhibit 3 displays a summary of the claim payments expected to be made during the fiscal years ending August 31 of 2023, 2024, and 2025. These projections are derived from the paid claim development factors used to perform the actuarial valuation:

1. Paid losses are developed to ultimate as selected in Exhibit 4.

2. The ultimate incurred losses for each claim year are divided by payroll (Exhibit 8) to derive historical loss (i.e., claim cost) rates. These loss rates are trended to February 28, 2023, the midpoint of the 2022-23 fiscal year. These trended loss rates are then used to select appropriate loss rates for Fiscal Years 2023 through 2025. Derivation of the appropriate trend rates is accomplished in Exhibit 9. For Fiscal Year 2023, the value of indemnity claims is assumed to increase 2.00%, and the value of medical claims is expected to increase 3.00%. We have assumed that the State's payroll will increase 2% per year.

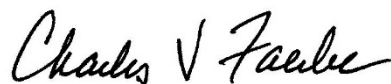
Exhibit 3 reveals that we expect the State to pay approximately \$34.2 million in the 2022–23 fiscal year, \$35.3 million in the 2023–24 fiscal year and \$36.1 million in the 2024–25 fiscal year.

Other Considerations

It should be noted that these estimates do not include a provision for either defense and cost containment (DCCE) or adjusting and other expenses (AOE). The State does not keep records of DCCE in its claim database. DCCE are direct settlement expenses attributable to specific claims. These are primarily legal expenses. DCCE normally accounts for 10% to 20% of incurred claims. Most insurance companies, which are regulated in a conservative manner by the State, hold a reserve for AOE, which is the anticipated administrative expense needed to run off claims should the operation shut down. Most self-insured entities, however, do not make a provision for AOE. For those that do make a provision for AOE, we believe that 10% to 20% of the claim reserve is adequate.

I have enjoyed working with you on this project. I look forward to any comments or questions you may have regarding this report.

Sincerely,



Charles V. Faerber, F.S.A., A.C.A.S.

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Enclosures

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Exhibit 1

State Office of Risk Management

Workers Compensation Program

Summary of Unpaid Claims (000's) as of 8/31/22

Indemnity and Medical Claims Valued Separately

Fiscal Year Ending	Total Claims												Undiscounted Liability for Unpaid Claims						Liability for Unpaid Claims Discounted @ 2%					
	Ultimate Incurred Amounts																							
	08/31/22 Paid Amounts	Indicated Amounts	50% Confidence	60% Confidence	75% Confidence	90% Confidence	Indicated Amounts	50% Confidence	60% Confidence	75% Confidence	90% Confidence	Indicated Amounts	50% Confidence	60% Confidence	75% Confidence	90% Confidence	Indicated Amounts	50% Confidence	60% Confidence	75% Confidence	90% Confidence			
FY 75 - 83	73,718	73,718	73,719	73,719	73,719	73,719	0	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0		
8/31/84	21,826	21,826	21,826	21,826	21,826	21,826	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8/31/85	23,186	23,186	23,186	23,186	23,186	23,186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8/31/86	29,513	29,513	29,513	29,513	29,513	29,513	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8/31/87	32,968	32,968	32,968	32,968	32,968	32,968	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8/31/88	49,038	49,038	49,038	49,038	49,038	49,038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8/31/89	51,492	51,492	51,492	51,492	51,492	51,492	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8/31/90	59,725	59,725	59,725	59,725	59,725	59,725	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8/31/91	52,535	52,535	52,535	52,535	52,535	52,535	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8/31/92	54,091	54,091	54,091	54,091	54,091	54,091	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8/31/93	50,249	50,249	50,249	50,249	50,249	50,249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8/31/94	55,141	55,141	55,141	55,141	55,141	55,141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8/31/95	55,770	55,770	55,770	55,770	55,770	55,770	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8/31/96	54,317	54,317	54,317	54,317	54,317	54,317	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8/31/97	57,110	57,110	57,110	57,110	57,110	57,110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8/31/98	57,260	57,260	57,260	57,260	57,260	57,260	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8/31/99	59,934	59,934	59,934	59,934	59,934	59,934	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8/31/00	64,101	64,101	64,101	64,101	64,101	64,101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8/31/01	62,226	62,389	63,411	63,800	64,452	65,421	163	1,185	1,574	2,226	3,195	161	1,174	1,558	2,204	3,164	0	0	0	0	0	0		
8/31/02	60,430	60,766	61,708	62,119	62,807	63,830	336	1,278	1,689	2,377	3,400	330	1,254	1,656	2,331	3,335	0	0	0	0	0	0		
8/31/03	63,784	64,333	65,160	65,592	66,317	67,395	549	1,376	1,808	2,533	3,611	533	1,337	1,757	2,461	3,509	0	0	0	0	0	0		
8/31/04	40,984	41,497	42,441	42,948	43,799	45,065	513	1,457	1,964	2,815	4,081	495	1,405	1,895	2,715	3,937	0	0	0	0	0	0		
8/31/05	41,251	41,948	42,514	42,844	43,397	44,219	697	1,263	1,592	2,145	2,968	667	1,209	1,524	2,053	2,840	0	0	0	0	0	0		
8/31/06	32,602	33,260	33,778	34,137	34,738	35,633	657	1,176	1,535	2,136	3,031	622	1,114	1,453	2,022	2,870	0	0	0	0	0	0		
8/31/07	34,689	35,441	35,660	35,816	36,079	36,469	752	970	1,127	1,389	1,780	701	905	1,051	1,296	1,660	0	0	0	0	0	0		
8/31/08	38,321	39,229	39,564	39,760	40,089	40,579	907	1,242	1,439	1,768	2,257	836	1,144	1,325	1,628	2,078	0	0	0	0	0	0		
8/31/09	35,454	36,388	36,858	37,119	37,557	38,209	934	1,404	1,665	2,103	2,755	851	1,279	1,517	1,916	2,510	0	0	0	0	0	0		
8/31/10	39,461	40,603	41,143	41,434	41,923	42,651	1,142	1,682	1,973	2,462	3,190	1,030	1,516	1,779	2,220	2,876	0	0	0	0	0	0		
8/31/11	38,995	40,258	40,933	41,294	41,900	42,802	1,264	1,938	2,300	2,906	3,807	1,132	1,736	2,059	2,602	3,410	0	0	0	0	0	0		
8/31/12	32,486	33,697	34,418	34,811	35,471	36,452	1,211	1,932	2,325	2,985	3,966	1,079	1,722	2,072	2,660	3,535	0	0	0	0	0	0		
8/31/13	31,464	32,740	33,386	33,754	34,397	35,353	1,277	1,922	2,290	2,933	3,889	1,127	1,696	2,021	2,588	3,432	0	0	0	0	0	0		
8/31/14	33,215	34,730	35,531	35,950	36,685	37,779	1,514	2,315	2,735	3,470	4,564	1,330	2,035	2,403	3,049	4,010	0	0	0	0	0	0		
8/31/15	33,070	34,763	35,631	36,127	36,958	38,195	1,693	2,562	3,057	3,888	5,125	1,482	2,243	2,677	3,404	4,487	0	0	0	0	0	0		
8/31/16	36,654	38,875	39,820	40,337	41,203	42,493	2,222	3,166	3,683	4,550	5,839	1,950	2,779	3,232	3,992	5,124	0	0	0	0	0	0		
8/31/17	31,782	34,086	35,236	35,866	36,922	38,493	2,303	3,454	4,084	5,140	6,711	2,026	3,039	3,593	4,521	5,903	0	0	0	0	0	0		
8/31/18	30,393	32,966	34,128	34,764	35,831	37,417	2,573	3,735	4,371	5,438	7,024	2,263	3,285	3,844	4,782	6,178	0	0	0	0	0	0		
8/31/19	29,880	33,003	34,533	35,257	36,469	38,273	3,122	4,653	5,376	6,589	8,393	2,760	4,114	4,753	5,825	7,420	0	0	0	0	0	0		
8/31/20	28,504	32,816	35,340	36,182	37,594	39,694	4,312	6,836	7,678	9,090	11,190	3,884	6,157	6,916	8,188	10,080	0	0	0	0	0	0		
8/31/21	25,901	34,333	40,964	41,987	43,703	46,255	8,432	15,063	16,086	17,802	20,354	7,862	14,044	14,998	16,598	18,978	0	0	0	0	0	0		
8/31/22	10,915	30,846	69,764	71,809	75,238	80,340	19,932	58,850	60,895	64,324	69,426	19,133	56,492	58,455	61,747	66,644	0	0	0	0	0	0		
Totals	\$ 1,714,438	\$ 1,770,943	\$ 1,833,898	\$ 1,845,685	\$ 1,865,506	\$ 1,894,996	\$ 56,505	\$ 119,461	\$ 131,247	\$ 151,068	\$ 180,559	\$ 52,255	\$ 111,677	\$ 122,540	\$ 140,806	\$ 167,981								

Exhibit 1

State Office of Risk Management

Workers Compensation Program

Summary of Unpaid Claims (000's) as of 8/31/22

Indemnity and Medical Claims Valued Separately

Fiscal Year Ending	Total Claims																		
	08/31/22 Paid Amounts	Ultimate Incurred Amounts						Liability for Unpaid Claims Discounted @ 3%						Liability for Unpaid Claims Discounted @ 4%					
		Indicated Amounts	50% Confidence	60% Confidence	75% Confidence	90% Confidence		Indicated Amounts	50% Confidence	60% Confidence	75% Confidence	90% Confidence	Indicated Amounts	50% Confidence	60% Confidence	75% Confidence	90% Confidence		
FY 75 - 83	73,718	73,719	73,719	73,719	73,719	73,719	0	0	0	0	0	0	0	0	0	0	0	0	
8/31/84	21,826	21,826	21,826	21,826	21,826	21,826	0	0	0	0	0	0	0	0	0	0	0	0	
8/31/85	23,186	23,186	23,186	23,186	23,186	23,186	0	0	0	0	0	0	0	0	0	0	0	0	
8/31/86	29,513	29,513	29,513	29,513	29,513	29,513	0	0	0	0	0	0	0	0	0	0	0	0	
8/31/87	32,968	32,968	32,968	32,968	32,968	32,968	0	0	0	0	0	0	0	0	0	0	0	0	
8/31/88	49,038	49,038	49,038	49,038	49,038	49,038	0	0	0	0	0	0	0	0	0	0	0	0	
8/31/89	51,492	51,492	51,492	51,492	51,492	51,492	0	0	0	0	0	0	0	0	0	0	0	0	
8/31/90	59,725	59,725	59,725	59,725	59,725	59,725	0	0	0	0	0	0	0	0	0	0	0	0	
8/31/91	52,535	52,535	52,535	52,535	52,535	52,535	0	0	0	0	0	0	0	0	0	0	0	0	
8/31/92	54,091	54,091	54,091	54,091	54,091	54,091	0	0	0	0	0	0	0	0	0	0	0	0	
8/31/93	50,249	50,249	50,249	50,249	50,249	50,249	0	0	0	0	0	0	0	0	0	0	0	0	
8/31/94	55,141	55,141	55,141	55,141	55,141	55,141	0	0	0	0	0	0	0	0	0	0	0	0	
8/31/95	55,770	55,770	55,770	55,770	55,770	55,770	0	0	0	0	0	0	0	0	0	0	0	0	
8/31/96	54,317	54,317	54,317	54,317	54,317	54,317	0	0	0	0	0	0	0	0	0	0	0	0	
8/31/97	57,110	57,110	57,110	57,110	57,110	57,110	0	0	0	0	0	0	0	0	0	0	0	0	
8/31/98	57,260	57,260	57,260	57,260	57,260	57,260	0	0	0	0	0	0	0	0	0	0	0	0	
8/31/99	59,934	59,934	59,934	59,934	59,934	59,934	0	0	0	0	0	0	0	0	0	0	0	0	
8/31/00	64,101	64,101	64,101	64,101	64,101	64,101	0	0	0	0	0	0	0	0	0	0	0	0	
8/31/01	62,226	62,389	63,411	63,800	64,452	65,421	161	1,168	1,551	2,193	3,149	160	1,162	1,543	2,183	3,133			
8/31/01	60,430	60,766	61,708	62,119	62,807	63,830	327	1,242	1,641	2,309	3,304	324	1,231	1,626	2,288	3,273			
8/31/01	63,784	64,333	65,160	65,592	66,317	67,395	526	1,319	1,733	2,427	3,460	519	1,300	1,709	2,393	3,412			
8/31/01	40,984	41,497	42,441	42,948	43,799	45,065	487	1,381	1,862	2,668	3,868	478	1,357	1,830	2,622	3,802			
8/31/01	41,251	41,948	42,514	42,844	43,397	44,219	653	1,183	1,492	2,010	2,780	639	1,159	1,461	1,968	2,723			
8/31/01	32,602	33,260	33,778	34,137	34,738	35,633	606	1,084	1,415	1,969	2,794	591	1,057	1,379	1,919	2,723			
8/31/07	34,689	35,441	35,660	35,816	36,079	36,469	678	875	1,016	1,253	1,605	656	847	983	1,212	1,553			
8/31/08	38,321	39,229	39,564	39,760	40,089	40,579	803	1,099	1,272	1,564	1,997	772	1,057	1,223	1,503	1,920			
8/31/09	35,454	36,388	36,858	37,119	37,557	38,209	814	1,223	1,451	1,832	2,400	779	1,170	1,388	1,753	2,297			
8/31/10	39,461	40,603	41,143	41,434	41,923	42,651	980	1,442	1,693	2,112	2,736	933	1,374	1,612	2,012	2,606			
8/31/11	38,995	40,258	40,933	41,294	41,900	42,802	1,073	1,646	1,953	2,468	3,234	1,019	1,564	1,855	2,344	3,072			
8/31/12	32,486	33,697	34,418	34,811	35,471	36,452	1,022	1,630	1,962	2,518	3,347	969	1,546	1,860	2,388	3,173			
8/31/13	31,464	32,740	33,386	33,754	34,397	35,353	1,062	1,598	1,904	2,439	3,234	1,002	1,509	1,798	2,303	3,053			
8/31/14	33,215	34,730	35,531	35,950	36,685	37,779	1,252	1,914	2,260	2,868	3,772	1,180	1,804	2,131	2,704	3,556			
8/31/15	33,070	34,763	35,631	36,127	36,958	38,195	1,392	2,107	2,514	3,198	4,215	1,311	1,984	2,368	3,012	3,969			
8/31/16	36,654	38,875	39,820	40,337	41,203	42,493	1,834	2,614	3,041	3,757	4,821	1,731	2,467	2,869	3,544	4,549			
8/31/17	31,782	34,086	35,236	35,866	36,922	38,493	1,909	2,863	3,386	4,261	5,563	1,805	2,706	3,200	4,027	5,258			
8/31/18	30,393	32,966	34,128	34,764	35,831	37,417	2,133	3,096	3,623	4,507	5,823	2,017	2,927	3,426	4,261	5,505			
8/31/19	29,880	33,003	34,533	35,257	36,469	38,273	2,609	3,888	4,492	5,505	7,013	2,474	3,686	4,259	5,220	6,649			
8/31/20	28,504	32,816	35,340	36,182	37,594	39,694	3,705	5,873	6,597	7,810	9,615	3,544	5,619	6,311	7,472	9,199			
8/31/21	25,901	34,333	40,964	41,987	43,703	46,255	7,621	13,613	14,538	16,088	18,395	7,403	13,224	14,122	15,628	17,869			
8/31/22	10,915	30,846	69,764	71,809	75,238	80,340	18,785	55,463	57,391	60,622	65,431	18,464	54,516	56,411	59,587	64,313			
Totals	\$ 1,714,438	\$ 1,770,943	\$ 1,833,898	\$ 1,845,685	\$ 1,865,506	\$ 1,894,996	\$ 50,429	\$ 108,323	\$ 118,786	\$ 136,380	\$ 162,555	\$ 48,768	\$ 105,265	\$ 115,364	\$ 132,344	\$ 157,607			

Exhibit 1

State Office of Risk Management

Workers Compensation Program

Summary of Unpaid Claims (000's) as of 8/31/22

Indemnity and Medical Claims Valued Together

Fiscal Year Ending	Total Claims												Undiscounted Liability for Unpaid Claims												Liability for Unpaid Claims Discounted @ 2%																	
	08/31/20						Ultimate Incurred Amounts						Indicated						50%						60%						75%						90%					
	Paid Amounts	Indicated Amounts	Confidence	Confidence	Confidence	Confidence	Indicated Amounts	Confidence	Confidence	Confidence	Confidence	Indicated Amounts	Confidence	Confidence	Confidence	Confidence	Indicated Amounts	Confidence	Confidence	Confidence	Confidence	Indicated Amounts	Confidence	Confidence	Confidence	Confidence	Indicated Amounts	Confidence	Confidence	Confidence	Confidence											
FY 75 - 83	73,718	73,718	73,718	73,718	73,718	73,718	73,718	73,718	73,718	73,718	73,718	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8/31/84	21,826	21,826	21,826	21,826	21,826	21,826	21,826	21,826	21,826	21,826	21,826	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8/31/85	23,186	23,186	23,186	23,186	23,186	23,186	23,186	23,186	23,186	23,186	23,186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8/31/86	29,513	29,513	29,513	29,513	29,513	29,513	29,513	29,513	29,513	29,513	29,513	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8/31/87	32,968	32,968	32,968	32,968	32,968	32,968	32,968	32,968	32,968	32,968	32,968	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8/31/88	49,038	49,038	49,038	49,038	49,038	49,038	49,038	49,038	49,038	49,038	49,038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8/31/89	51,492	51,492	51,492	51,492	51,492	51,492	51,492	51,492	51,492	51,492	51,492	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8/31/90	59,725	59,725	59,725	59,725	59,725	59,725	59,725	59,725	59,725	59,725	59,725	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8/31/91	52,535	52,535	52,535	52,535	52,535	52,535	52,535	52,535	52,535	52,535	52,535	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8/31/92	54,091	54,091	54,091	54,091	54,091	54,091	54,091	54,091	54,091	54,091	54,091	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8/31/93	50,249	50,249	50,249	50,249	50,249	50,249	50,249	50,249	50,249	50,249	50,249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8/31/94	55,141	55,141	55,141	55,141	55,141	55,141	55,141	55,141	55,141	55,141	55,141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8/31/95	55,770	55,770	55,770	55,770	55,770	55,770	55,770	55,770	55,770	55,770	55,770	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8/31/96	54,317	54,317	54,317	54,317	54,317	54,317	54,317	54,317	54,317	54,317	54,317	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8/31/97	57,110	57,110	57,110	57,110	57,110	57,110	57,110	57,110	57,110	57,110	57,110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8/31/98	57,260	57,260	57,260	57,260	57,260	57,260	57,260	57,260	57,260	57,260	57,260	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8/31/99	59,934	59,934	59,934	59,934	59,934	59,934	59,934	59,934	59,934	59,934	59,934	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8/31/00	64,101	64,101	64,101	64,101	64,101	64,101	64,101	64,101	64,101	64,101	64,101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8/31/01	62,226	62,556	63,478	63,767	64,252	64,974	331	1,252	1,541	2,026	2,748	327	1,240	1,526	2,006	2,721	327	1,240	1,526	2,006	2,721	327	1,240	1,526	2,006	2,721	327	1,240	1,526	2,006	2,721											
8/31/02	60,430	60,932	61,570	61,861	62,348	63,072	502	1,140	1,431	1,917	2,642	491	1,115	1,399	1,875	2,583	491	1,115	1,399	1,875	2,583	491	1,115	1,399	1,875	2,583	491	1,115	1,399	1,875	2,583											
8/31/03	63,784	64,500	65,065	65,377	65,900	66,679	716	1,281	1,593	2,116	2,895	692	1,238	1,540	2,046	2,798	692	1,238	1,540	2,046	2,798	692	1,238	1,540	2,046	2,798	692	1,238	1,540	2,046	2,798											
8/31/04	40,984	41,623	42,299	42,651	43,241	44,120	639	1,315	1,667	2,257	3,136	613	1,262	1,599	2,166	3,009	613	1,262	1,599	2,166	3,009	613	1,262	1,599	2,166	3,009	613	1,262	1,599	2,166	3,009											
8/31/05	41,251	42,088	42,499	42,748	43,164	43,783	837	1,248	1,496	1,912	2,532	796	1,188	1,424	1,820	2,410	796	1,188	1,424	1,820	2,410	796	1,188	1,424	1,820	2,410	796	1,188	1,424	1,820	2,410											
8/31/06	32,602	33,378	33,759	34,034	34,494	35,180	776	1,157	1,432	1,892	2,578	731	1,089	1,348	1,781	2,427	731	1,089	1,348	1,781	2,427	731	1,089	1,348	1,781	2,427	731	1,089	1,348	1,781	2,427											
8/31/07	34,689	35,667	35,831	35,959	36,175	36,495	978	1,141	1,270	1,485	1,806	913	1,065	1,185	1,386	1,685	913	1,065	1,185	1,386	1,685	913	1,065	1,185	1,386	1,685	913	1,065	1,185	1,386	1,685											
8/31/08	38,321	39,571	39,772	39,939	40,218	40,634	1,250	1,451	1,617	1,897	2,312	1,156	1,342	1,496	1,754	2,139	1,156	1,342	1,496	1,754	2,139	1,156	1,342	1,496	1,754	2,139	1,156	1,342	1,496	1,754	2,139											
8/31/09	35,454	36,785	37,044	37,264	37,632	38,181	1,331	1,590	1,809	2,178	2,727	1,221	1,458	1,660	1,998	2,502	1,221	1,458	1,660	1,998	2,502	1,221	1,458	1,660	1,998	2,502	1,221	1,458	1,660	1,998	2,502											
8/31/10	39,461	41,046	41,346	41,591	42,003	42,616	1,585	1,885	2,130	2,542	3,155	1,434	1,706	1,928	2,301	2,856	1,434	1,706	1,928	2,301	2,856	1,434	1,706	1,928	2,301	2,856	1,434	1,706	1,928	2,301	2,856											
8/31/11	38,995	40,693	41,097	41,386	41,871	42,594	1,698	2,102	2,392	2,877	3,600	1,520	1,882	2,141	2,576	3,223	1,520	1,882	2,141	2,576	3,223	1,520	1,882	2,141	2,576	3,223	1,520	1,882	2,141	2,576	3,223											
8/31/12	32,486	34,069	34,556	34,872	35,403	36,193	1,583	2,070	2,386	2,917	3,707	1,406	1,840	2,121	2,592	3,294	1,406	1,840	2,121	2,592	3,294	1,406	1,840	2,121	2,592	3,294	1,406	1,840	2,121	2,592	3,294											
8/31/13	31,464	33,121	33,575	33,872	34,370	35,111	1,658	2,111	2,408	2,906	3,648	1,458	1,857	2,118	2,556	3,208	1,458	1,857	2,118	2,556	3,208	1,458	1,857	2,118	2,556	3,208	1,458	1,857	2,118	2,556	3,208											
8/31/14	33,215	35,112	35,679	36,003	36,548	37,359	1,897	2,463	2,788	3,333	4,143	1,654	2,148	2,431	2,906	3,613	1,654	2,148	2,431	2,906	3,613	1,654	2,148	2,431	2,906	3,613	1,654	2,148	2,431	2,906	3,613											
8/31/15	33,070	35,162	35,903	36,290	36,938	37,904	2,092	2,833	3,220	3,868	4,834	1,815	2,458	2,794	3,357	4,195	1,815	2,458	2,794	3,357	4,195	1,815	2,458	2,794	3,357	4,195	1,815	2,458	2,794	3,357	4,195											
8/31/16	36,654	39,314	40,100	40,499	41,168	42,164	2,660	3,447	3,845	4,514	5,510	2,308	2,990	3,336	3,916	4,780	2,308	2,990	3,336	3,916	4,780	2,308	2,990	3,336	3,916	4,780	2,308	2,990	3,336	3,916	4,780											
8/31/17	31,782	34,442	35,400	35,899	36,737	37,983	2,660	3,618	4,117	4,954	6,201	2,307	3,138	3,571	4,297	5,379	2,307	3,138	3,571	4,297	5,379	2,307	3,138	3,571	4,297	5,379	2,307	3,138	3,571	4,297	5,379											
8/31/18	30,393	33,302	34,342	34,864	35,739	37,042	2,909	3,949	4,471	5,346	6,649	2,521	3,422	3,874	4,632	5,761	2,521	3,422	3,874	4,632	5,761	2,521	3,422	3,874	4,632	5,761	2,521	3,422	3,874	4,632	5,761											
8/31/19	29,880	33,294	34,636	35,208	36,167	37,594	3,414	4,756	5,327	6,286	7,714	2,971	4,139	4,637	5,471	6,714	2,971	4,139	4,637	5,471	6,714	2,971	4,139	4,637	5,471	6,714	2,971	4,139	4,637	5,471	6,714											
8/31/20	28,504	33,005	35,312	35,963	37,054	38,678	4,501	6,809	7,459	8,550	10,174	3,995	6,043	6,620	7,588	9,030	3,995	6,043	6,620	7,588	9,030	3,995	6,043	6,620	7,588	9,030	3,995	6,043	6,620	7,588	9,030											
8/31/21	25,901	34,123	40,363	41,288	42,841	45,152	8,222	14,462	15,387	16,940	19,251	7,586	13,343	14,197	15,629	17,762	7,586	13,343	1																							

Summary of Unpaid Claims (000's) as of 8/31/22

Total Claims

SUMM0822-SORM.xlsx - Unpaid Summary

Exhibit 2

State Office of Risk Management

Workers Compensation Program

Summary of Incurred Claims (000's) as of 8/31/22

Fiscal Year Ending	Indemnity and Medical Claims Valued Separately									
	Indemnity Claims					Medical Claims				
	08/31/22 Paid Amounts	Liability for Unpaid	Ultimate Incurred Amounts			08/31/22 Paid Amounts	Liability for Unpaid	Ultimate Incurred Amounts		
			Indicated Amounts	Confidence	90% Confidence			Indicated Amounts	Confidence	90% Confidence
FY 75 - 83	42,738	0	42,738	42,738	42,738	30,980	0	30,980	30,982	30,982
8/31/84	11,867	0	11,867	11,867	11,867	9,959	0	9,959	9,959	9,959
8/31/85	13,266	0	13,266	13,266	13,266	9,920	0	9,920	9,920	9,920
8/31/86	17,327	0	17,327	17,327	17,327	12,187	0	12,187	12,187	12,187
8/31/87	18,003	0	18,003	18,003	18,003	14,966	0	14,966	14,966	14,966
8/31/88	22,542	0	22,542	22,542	22,542	26,496	0	26,496	26,496	26,496
8/31/89	27,736	0	27,736	27,736	27,736	23,756	0	23,756	23,756	23,756
8/31/90	32,881	0	32,881	32,881	32,881	26,844	0	26,844	26,844	26,844
8/31/91	24,424	0	24,424	24,424	24,424	28,111	0	28,111	28,111	28,111
8/31/92	22,403	0	22,403	22,403	22,403	31,688	0	31,688	31,688	31,688
8/31/93	21,352	0	21,352	21,352	21,352	28,897	0	28,897	28,897	28,897
8/31/94	23,876	0	23,876	23,876	23,876	31,265	0	31,265	31,265	31,265
8/31/95	24,470	0	24,470	24,470	24,470	31,300	0	31,300	31,300	31,300
8/31/96	20,990	0	20,990	20,990	20,990	33,327	0	33,327	33,327	33,327
8/31/97	22,487	0	22,487	22,487	22,487	34,622	0	34,622	34,622	34,622
8/31/98	23,226	0	23,226	23,226	23,226	34,034	0	34,034	34,034	34,034
8/31/99	24,394	0	24,394	24,394	24,394	35,539	0	35,539	35,539	35,539
8/31/00	28,472	0	28,472	28,472	28,472	35,629	0	35,629	35,629	35,629
8/31/01	24,557	62	24,618	24,961	25,213	37,669	101	37,770	38,450	39,238
8/31/02	23,896	113	24,009	24,244	24,453	36,534	223	36,757	37,464	38,354
8/31/03	21,979	150	22,130	22,301	22,485	41,805	399	42,203	42,860	43,223
8/31/04	17,360	159	17,519	17,628	17,777	23,623	355	23,978	24,813	25,264
8/31/05	17,841	216	18,057	18,133	18,263	23,411	480	23,891	24,381	25,134
8/31/06	14,215	216	14,431	14,507	14,651	18,387	442	18,829	19,271	19,576
8/31/07	15,685	283	15,968	16,004	16,047	19,004	469	19,473	19,656	19,769
8/31/08	17,075	368	17,443	17,499	17,551	21,246	539	21,786	22,064	22,209
8/31/09	15,987	413	16,400	16,455	16,518	19,467	521	19,988	20,403	20,601
8/31/10	17,190	523	17,713	17,755	17,930	22,271	619	22,890	23,388	23,614
8/31/11	17,605	627	18,232	18,268	18,479	21,389	637	22,026	22,665	22,947
8/31/12	13,938	592	14,530	14,559	14,799	18,548	619	19,167	19,858	20,162
8/31/13	12,233	604	12,836	12,836	13,039	19,231	673	19,904	20,549	20,851
8/31/14	14,341	813	15,154	15,154	15,341	18,874	701	19,575	20,377	20,738
8/31/15	13,723	937	14,660	14,685	14,957	19,346	756	20,103	20,946	21,340
8/31/16	15,377	1,287	16,664	16,751	17,026	21,277	934	22,211	23,069	23,483
8/31/17	13,826	1,428	15,254	15,457	15,808	17,956	875	18,832	19,779	20,278
8/31/18	13,297	1,604	14,901	15,105	15,450	17,096	970	18,065	19,023	19,530
8/31/19	13,378	2,004	15,383	15,744	16,138	16,502	1,118	17,620	18,790	19,366
8/31/20	13,264	2,858	16,121	17,050	17,596	15,240	1,454	16,694	18,289	18,927
8/31/21	11,853	5,890	17,743	21,481	21,993	14,048	2,543	16,590	19,482	20,314
8/31/22	4,420	12,159	16,579	42,379	44,657	6,495	7,773	14,268	27,385	28,579
Totals	\$ 765,498	\$ 33,303	\$ 798,801	\$ 831,414	\$ 834,186	\$ 948,940	\$ 23,202	\$ 972,142	\$ 1,002,485	\$ 1,011,498
					\$ 838,890			\$ 1,026,616		\$ 1,049,122

Exhibit 2

State Office of Risk Management

Workers Compensation Program

Summary of Incurred Claims (000's) as of 8/31/22

Fiscal Year Ending	Indemnity and Medical Claims Valued Separately										Indemnity and Medical Claims Combined									
	Total Claims										Total Claims									
	08/31/22 Paid Amounts	Liability for Unpaid	Indicated Amounts	Ultimate Incurred Amounts						Incurred Amounts	Liability for Unpaid	08/31/22 Paid Amounts	Incurred Amounts	Ultimate Incurred Amounts						
				50%	60%	75%	90%	Confidence	50%					60%	75%	90%	Confidence			
FY 75 - 83	73,718	0	73,718	73,719	73,719	73,719	73,719	73,719	73,719	0	73,718	73,718	73,718	73,718	73,718	73,718	73,718	73,718	73,718	
8/31/84	21,826	0	21,826	21,826	21,826	21,826	21,826	21,826	21,826	0	21,826	21,826	21,826	21,826	21,826	21,826	21,826	21,826	21,826	
8/31/85	23,186	0	23,186	23,186	23,186	23,186	23,186	23,186	23,186	0	23,186	23,186	23,186	23,186	23,186	23,186	23,186	23,186	23,186	
8/31/86	29,513	0	29,513	29,513	29,513	29,513	29,513	29,513	29,513	0	29,513	29,513	29,513	29,513	29,513	29,513	29,513	29,513	29,513	
8/31/87	32,968	0	32,968	32,968	32,968	32,968	32,968	32,968	32,968	0	32,968	32,968	32,968	32,968	32,968	32,968	32,968	32,968	32,968	
8/31/88	49,038	0	49,038	49,038	49,038	49,038	49,038	49,038	49,038	0	49,038	49,038	49,038	49,038	49,038	49,038	49,038	49,038	49,038	
8/31/89	51,492	0	51,492	51,492	51,492	51,492	51,492	51,492	51,492	0	51,492	51,492	51,492	51,492	51,492	51,492	51,492	51,492	51,492	
8/31/90	59,725	0	59,725	59,725	59,725	59,725	59,725	59,725	59,725	0	59,725	59,725	59,725	59,725	59,725	59,725	59,725	59,725	59,725	
8/31/91	52,535	0	52,535	52,535	52,535	52,535	52,535	52,535	52,535	0	52,535	52,535	52,535	52,535	52,535	52,535	52,535	52,535	52,535	
8/31/92	54,091	0	54,091	54,091	54,091	54,091	54,091	54,091	54,091	0	54,091	54,091	54,091	54,091	54,091	54,091	54,091	54,091	54,091	
8/31/93	50,249	0	50,249	50,249	50,249	50,249	50,249	50,249	50,249	0	50,249	50,249	50,249	50,249	50,249	50,249	50,249	50,249	50,249	
8/31/94	55,141	0	55,141	55,141	55,141	55,141	55,141	55,141	55,141	0	55,141	55,141	55,141	55,141	55,141	55,141	55,141	55,141	55,141	
8/31/95	55,770	0	55,770	55,770	55,770	55,770	55,770	55,770	55,770	0	55,770	55,770	55,770	55,770	55,770	55,770	55,770	55,770	55,770	
8/31/96	54,317	0	54,317	54,317	54,317	54,317	54,317	54,317	54,317	0	54,317	54,317	54,317	54,317	54,317	54,317	54,317	54,317	54,317	
8/31/97	57,110	0	57,110	57,110	57,110	57,110	57,110	57,110	57,110	0	57,110	57,110	57,110	57,110	57,110	57,110	57,110	57,110	57,110	
8/31/98	57,260	0	57,260	57,260	57,260	57,260	57,260	57,260	57,260	0	57,260	57,260	57,260	57,260	57,260	57,260	57,260	57,260	57,260	
8/31/99	59,934	0	59,934	59,934	59,934	59,934	59,934	59,934	59,934	0	59,934	59,934	59,934	59,934	59,934	59,934	59,934	59,934	59,934	
8/31/00	64,101	0	64,101	64,101	64,101	64,101	64,101	64,101	64,101	0	64,101	64,101	64,101	64,101	64,101	64,101	64,101	64,101	64,101	
8/31/01	62,226	163	62,389	63,411	63,800	64,452	65,421	331	62,226	331	62,556	63,478	63,767	64,252	64,974	64,974	64,974	64,974	64,974	
8/31/01	60,430	336	60,766	61,708	62,119	62,807	63,830	502	60,430	502	60,932	61,570	61,861	62,348	63,072	63,072	63,072	63,072	63,072	
8/31/01	63,784	549	64,333	65,160	65,592	66,317	67,395	716	63,784	716	64,500	65,065	65,377	65,900	66,679	66,679	66,679	66,679	66,679	
8/31/01	40,984	513	41,497	42,441	42,948	43,799	45,065	639	40,984	639	41,623	42,299	42,651	43,241	44,120	44,120	44,120	44,120	44,120	
8/31/01	41,251	697	41,948	42,514	42,844	43,397	44,219	837	41,251	837	42,088	42,499	42,748	43,164	43,783	43,783	43,783	43,783	43,783	
8/31/01	32,602	657	33,260	33,778	34,137	34,738	35,633	776	32,602	776	33,378	33,759	34,034	34,494	35,180	35,180	35,180	35,180	35,180	
8/31/07	34,689	752	35,441	35,660	35,816	36,079	36,469	978	34,689	978	35,667	35,831	35,959	36,175	36,495	36,495	36,495	36,495	36,495	
8/31/08	38,321	907	39,229	39,564	39,760	40,089	40,579	1,250	38,321	1,250	39,571	39,772	39,939	40,218	40,634	40,634	40,634	40,634	40,634	
8/31/09	35,454	934	36,388	36,858	37,119	37,557	38,209	1,331	35,454	1,331	36,785	37,044	37,264	37,632	38,181	38,181	38,181	38,181	38,181	
8/31/10	39,461	1,142	40,603	41,143	41,434	41,923	42,651	1,585	39,461	1,585	41,046	41,346	41,591	42,003	42,616	42,616	42,616	42,616	42,616	
8/31/11	38,995	1,264	40,258	40,933	41,294	41,900	42,802	1,698	38,995	1,698	40,693	41,097	41,386	41,871	42,594	42,594	42,594	42,594	42,594	
8/31/12	32,486	1,211	33,697	34,418	34,811	35,471	36,452	1,583	32,486	1,583	34,069	34,556	34,872	35,403	36,193	36,193	36,193	36,193	36,193	
8/31/13	31,464	1,277	32,740	33,386	33,754	34,397	35,353	1,658	31,464	1,658	33,121	33,575	33,872	34,370	35,111	35,111	35,111	35,111	35,111	
8/31/14	33,215	1,514	34,730	35,531	35,950	36,685	37,779	1,897	33,215	1,897	35,112	35,679	36,003	36,548	37,359	37,359	37,359	37,359	37,359	
8/31/15	33,070	1,693	34,763	35,631	36,127	36,958	38,195	2,092	33,070	2,092	35,162	35,903	36,290	36,938	37,904	37,904	37,904	37,904	37,904	
8/31/16	36,654	2,222	38,875	39,820	40,337	41,203	42,493	2,660	36,654	2,660	39,314	40,100	40,499	41,168	42,164	42,164	42,164	42,164	42,164	
8/31/17	31,782	2,303	34,086	35,236	35,866	36,922	38,493	2,660	31,782	2,660	34,442	35,400	35,899	36,737	37,983	37,983	37,983	37,983	37,983	
8/31/18	30,393	2,573	32,966	34,128	34,764	35,831	37,417	2,909	30,393	2,909	33,302	34,342	34,864	35,739	37,042	37,042	37,042	37,042	37,042	
8/31/19	29,880	3,122	33,003	34,533	35,257	36,469	38,273	3,414	29,880	3,414	33,294	34,636	35,208	36,167	37,594	37,594	37,594	37,594	37,594	
8/31/20	28,504	4,312	32,816	35,340	36,182	37,594	39,694	4,501	28,504	4,501	33,005	35,312	35,963	37,054	38,678	38,678	38,678	38,678	38,678	
8/31/21	25,901	8,432	34,333	40,964	41,987	43,703	46,255	8,222	25,901	8,222	34,123	40,363	41,288	42,841	45,152	45,152	45,152	45,152	45,152	
8/31/22	10,915	19,932	30,846	69,764	71,809	75,238	80,340	19,116	10,915	19,116	30,030	63,553	65,168	67,876	71,908	71,908	71,908	71,908	71,908	
Totals	\$ 1,714,438	\$ 56,505	\$ 1,770,943	\$ 1,833,898	\$ 1,845,685	\$ 1,865,506	\$ 1,894,996	\$ 61,352	\$ 1,714,438	\$ 61,352	\$ 1,775,790	\$ 1,829,156	\$ 1,838,478	\$ 1,854,113	\$ 1,877,391					

Exhibit 3

State Office of Risk Management

Workers Compensation Program

Summary of Paid Claims Projection (000's) as of 8/31/22

Claims Incurred in Fiscal Year Ending	Total Claims: Sum of Indemnity and Medical Claims							
	Liability for Unpaid Claims @ 8/31/22	To Be Paid Between 9/1/22 and 8/31/23		To Be Paid Between 9/1/23 and 8/31/24		To Be Paid Between 9/1/24 and 8/31/25		
		Percent of Unpaid	Dollars	Percent of Unpaid	Dollars	Percent of Unpaid	Dollars	
8/31/01	163	100.00%	163	0.00%	0	0.00%	0	
8/31/02	336	52.72%	177	47.28%	159	0.00%	0	
8/31/03	549	34.84%	191	34.62%	190	30.55%	168	
8/31/04	513	32.15%	165	23.37%	120	23.35%	120	
8/31/05	697	25.71%	179	23.83%	166	17.36%	121	
8/31/06	657	16.39%	108	21.49%	141	19.90%	131	
8/31/07	752	7.51%	56	15.24%	115	19.84%	149	
8/31/08	907	8.19%	74	6.82%	62	13.98%	127	
8/31/09	934	9.76%	91	7.46%	70	6.21%	58	
8/31/10	1,142	8.83%	101	8.75%	100	6.65%	76	
8/31/11	1,264	10.45%	132	8.07%	102	7.97%	101	
8/31/12	1,211	12.52%	152	8.99%	109	6.88%	83	
8/31/13	1,277	8.46%	108	11.28%	144	8.01%	102	
8/31/14	1,514	9.51%	144	7.99%	121	10.35%	157	
8/31/15	1,693	11.44%	194	8.31%	141	6.97%	118	
8/31/16	2,222	14.29%	317	9.89%	220	7.16%	159	
8/31/17	2,303	14.25%	328	12.35%	284	8.63%	199	
8/31/18	2,573	13.25%	341	12.38%	319	10.72%	276	
8/31/19	3,122	16.63%	519	11.05%	345	10.40%	325	
8/31/20	4,312	27.12%	1,169	12.14%	524	8.05%	347	
8/31/21	8,432	45.71%	3,855	14.73%	1,242	6.60%	557	
8/31/22	19,932	60.21%	12,001	18.20%	3,627	5.86%	1,168	
8/31/23	35,079	*	38.89%	13,642	37.14%	13,029	10.93%	3,835
8/31/24	35,965	*		38.95%	14,008	37.13%	13,353	
8/31/25	36,874	*				39.01%	14,384	
Totals	\$ 164,423		\$ 34,209		\$ 35,336		\$ 36,113	

*Amounts expected to be incurred for fiscal years ending 8/31/23, 8/31/24 and 8/31/25, respectively

Exhibit 3

State Office of Risk Management

Workers Compensation Program

Summary of Paid Claims Projection (000's) as of 8/31/22

<i>Claims Incurred in Fiscal Year Ending</i>	<i>Indemnity Claims</i>						
	<i>Liability for Unpaid Claims @ 8/31/22</i>	<i>To Be Paid Between 9/1/22 and 8/31/23</i>		<i>To Be Paid Between 9/1/23 and 8/31/24</i>		<i>To Be Paid Between 9/1/24 and 8/31/25</i>	
		<i>Percent of Unpaid</i>	<i>Dollars</i>	<i>Percent of Unpaid</i>	<i>Dollars</i>	<i>Percent of Unpaid</i>	<i>Dollars</i>
8/31/01	62	100.00%	62	0.00%	0	0.00%	\$ 0
8/31/02	113	46.84%	53	53.16%	60	0.00%	0
8/31/03	150	30.63%	46	32.49%	49	36.88%	55
8/31/04	159	24.95%	40	22.99%	36	24.38%	39
8/31/05	216	24.29%	53	18.89%	41	17.40%	38
8/31/06	216	20.04%	43	19.42%	42	15.11%	33
8/31/07	283	15.56%	44	16.92%	48	16.40%	46
8/31/08	368	16.29%	60	13.02%	48	14.16%	52
8/31/09	413	16.06%	66	13.67%	56	10.93%	45
8/31/10	523	14.83%	78	13.68%	72	11.65%	61
8/31/11	627	14.37%	90	12.70%	80	11.71%	73
8/31/12	592	15.10%	89	12.20%	72	10.78%	64
8/31/13	604	12.84%	78	13.16%	79	10.63%	64
8/31/14	813	12.78%	104	11.20%	91	11.48%	93
8/31/15	937	16.85%	158	10.63%	100	9.32%	87
8/31/16	1,287	16.97%	219	13.99%	180	8.83%	114
8/31/17	1,428	17.36%	248	14.03%	200	11.56%	165
8/31/18	1,604	13.37%	214	15.04%	241	12.15%	195
8/31/19	2,004	17.25%	346	11.06%	222	12.44%	249
8/31/20	2,858	27.41%	783	12.52%	358	8.03%	229
8/31/21	5,890	46.88%	2,761	14.56%	857	6.65%	392
8/31/22	12,159	54.13%	6,582	21.50%	2,614	6.68%	812
8/31/23	16,616	*	4,317	40.07%	6,658	15.92%	2,645
8/31/24	16,949	*		25.98%	4,403	40.07%	6,791
8/31/25	17,287	*				25.98%	4,491
Totals	\$ 84,155		\$ 16,532		\$ 16,608		\$ 16,834

*Amounts expected to be incurred for fiscal years ending 8/31/23, 8/31/24 and 8/31/25, respectively

Exhibit 3

State Office of Risk Management

Workers Compensation Program

Summary of Paid Claims Projection (000's) as of 8/31/22

<i>Claims Incurred in Fiscal Year Ending</i>	<i>Medical Claims</i>						
	<i>Liability for Unpaid Claims @ 8/31/22</i>	<i>To Be Paid Between 9/1/22 and 8/31/23</i>		<i>To Be Paid Between 9/1/23 and 8/31/24</i>		<i>To Be Paid Between 9/1/24 and 8/31/25</i>	
		<i>Percent of Unpaid</i>	<i>Dollars</i>	<i>Percent of Unpaid</i>	<i>Dollars</i>	<i>Percent of Unpaid</i>	<i>Dollars</i>
8/31/01	101	100.00%	101	0.00%	\$ 0	0.00%	\$ 0
8/31/02	223	55.71%	124	44.29%	99	0.00%	\$ 0
8/31/03	399	36.43%	145	35.42%	141	28.16%	112
8/31/04	355	35.37%	125	23.54%	84	22.89%	81
8/31/05	480	26.35%	127	26.05%	125	17.34%	83
8/31/06	442	14.62%	65	22.50%	99	22.24%	98
8/31/07	469	2.66%	12	14.23%	67	21.90%	103
8/31/08	539	2.66%	14	2.59%	14	13.85%	75
8/31/09	521	4.77%	25	2.53%	13	2.46%	13
8/31/10	619	3.76%	23	4.59%	28	2.44%	15
8/31/11	637	6.59%	42	3.51%	22	4.29%	27
8/31/12	619	10.05%	62	5.93%	37	3.16%	20
8/31/13	673	4.53%	31	9.59%	65	5.66%	38
8/31/14	701	5.71%	40	4.27%	30	9.05%	63
8/31/15	756	4.75%	36	5.44%	41	4.07%	31
8/31/16	934	10.58%	99	4.25%	40	4.86%	45
8/31/17	875	9.18%	80	9.61%	84	3.86%	34
8/31/18	970	13.06%	127	7.98%	77	8.36%	81
8/31/19	1,118	15.52%	173	11.03%	123	6.74%	75
8/31/20	1,454	26.57%	386	11.40%	166	8.10%	118
8/31/21	2,543	43.01%	1,094	15.14%	385	6.49%	165
8/31/22	7,773	69.72%	5,420	13.02%	1,012	4.58%	356
8/31/23	18,462	*	9,325	34.51%	6,371	6.44%	1,190
8/31/24	19,016	*		50.51%	9,605	34.51%	6,562
8/31/25	19,587	*				50.51%	9,893
Totals	\$ 80,268		\$ 17,677		\$ 18,728		\$ 19,279

*Amounts expected to be incurred for fiscal years ending 8/31/23, 8/31/24 and 8/31/25, respectively

Exhibit 4

State Office of Risk Management

**Workers Compensation Program
Derivation of Ultimate Incurred Claims as of 8/31/22**

Indemnity and Medical Claims Valued Separately

Fiscal Year Ending	Indemnity Claims			Medical Claims			Total Claims		
	Developed	Bornhuetter Ferguson	Ultimate	Developed	Bornhuetter Ferguson	Ultimate	Developed	Bornhuetter Ferguson	Ultimate
	From Paid (1)		Incurred Selected Avg 1 & 2	From Paid (3)		Incurred Selected Avg 3 & 4	From Paid (5)		Incurred Selected Avg 5 & 6
FY 75 - 83	42,738		42,738	30,980		30,980	73,718		73,718
8/31/84	11,867		11,867	9,959		9,959	21,826		21,826
8/31/85	13,266		13,266	9,920		9,920	23,186		23,186
8/31/86	17,327		17,327	12,187		12,187	29,513		29,513
8/31/87	18,003		18,003	14,966		14,966	32,968		32,968
8/31/88	22,542		22,542	26,496		26,496	49,038		49,038
8/31/89	27,736		27,736	23,756		23,756	51,492		51,492
8/31/90	32,881		32,881	26,844		26,844	59,725		59,725
8/31/91	24,424	24,424	24,424	28,111	28,111	28,111	52,535	52,535	52,535
8/31/92	22,403	22,403	22,403	31,688	31,688	31,688	54,091	54,091	54,091
8/31/93	21,352	21,352	21,352	28,897	28,897	28,897	50,249	50,249	50,249
8/31/94	23,876	23,876	23,876	31,265	31,265	31,265	55,141	55,141	55,141
8/31/95	24,470	24,470	24,470	31,300	31,300	31,300	55,770	55,770	55,770
8/31/96	20,990	20,990	20,990	33,327	33,327	33,327	54,317	54,317	54,317
8/31/97	22,487	22,487	22,487	34,622	34,622	34,622	57,110	57,110	57,110
8/31/98	23,226	23,226	23,226	34,034	34,034	34,034	57,260	57,260	57,260
8/31/99	24,394	24,394	24,394	35,539	35,539	35,539	59,934	59,934	59,934
8/31/00	28,472	28,472	28,472	35,629	35,629	35,629	64,101	64,101	64,101
8/31/01	24,618	24,618	24,618	37,770	37,771	37,770	62,389	62,389	62,389
8/31/02	24,009	24,009	24,009	36,756	36,757	36,757	60,765	60,767	60,766
8/31/03	22,130	22,130	22,130	42,206	42,201	42,203	64,336	64,330	64,333
8/31/04	17,519	17,519	17,519	23,976	23,980	23,978	41,495	41,499	41,497
8/31/05	18,057	18,057	18,057	23,888	23,894	23,891	41,945	41,951	41,948
8/31/06	14,431	14,431	14,431	18,827	18,830	18,829	33,259	33,261	33,260
8/31/07	15,968	15,968	15,968	19,472	19,474	19,473	35,440	35,442	35,441
8/31/08	17,444	17,442	17,443	21,785	21,787	21,786	39,229	39,229	39,229
8/31/09	16,401	16,400	16,400	19,985	19,991	19,988	36,386	36,390	36,388
8/31/10	17,715	17,712	17,713	22,887	22,892	22,890	40,602	40,604	40,603
8/31/11	18,236	18,229	18,232	22,025	22,028	22,026	40,260	40,256	40,258
8/31/12	14,529	14,530	14,530	19,163	19,172	19,167	33,692	33,702	33,697
8/31/13	12,832	12,841	12,836	19,899	19,909	19,904	32,731	32,750	32,740
8/31/14	15,153	15,156	15,154	19,571	19,579	19,575	34,724	34,735	34,730
8/31/15	14,668	14,652	14,660	20,098	20,107	20,103	34,766	34,759	34,763
8/31/16	16,670	16,659	16,664	22,206	22,217	22,211	38,876	38,875	38,875
8/31/17	15,258	15,250	15,254	18,823	18,840	18,832	34,081	34,090	34,086
8/31/18	14,913	14,889	14,901	18,052	18,079	18,065	32,965	32,968	32,966
8/31/19	15,394	15,372	15,383	17,606	17,634	17,620	33,000	33,005	33,003
8/31/20	16,182	16,061	16,121	16,663	16,725	16,694	32,845	32,786	32,816
8/31/21	17,946	17,540	17,743	16,524	16,657	16,590	34,470	34,197	34,333
8/31/22	17,014	16,143	16,579	12,858	15,677	14,268	29,872	31,820	30,846
Totals	\$ 799,541	\$ 611,702	\$ 798,801	\$ 970,563	\$ 818,614	\$ 972,142	\$ 1,770,104	\$ 1,430,315	\$ 1,770,943

Exhibit 4**State Office of Risk Management****Workers Compensation Program****Derivation of Ultimate Incurred Claims as of 8/31/22**

Fiscal Year Ending	Indemnity and Medical Claims Combined		
	Developed		Ultimate
	From	Bornhuetter	Incurred
	Paid (7)	Ferguson (8)	Selected (9)
FY 75 - 83	73,718		73,718
8/31/84	21,826		21,826
8/31/85	23,186		23,186
8/31/86	29,513		29,513
8/31/87	32,968		32,968
8/31/88	49,038		49,038
8/31/89	51,492		51,492
8/31/90	59,725		59,725
8/31/91	52,535	52,535	52,535
8/31/92	54,091	54,091	54,091
8/31/93	50,249	50,249	50,249
8/31/94	55,141	55,141	55,141
8/31/95	55,770	55,770	55,770
8/31/96	54,317	54,317	54,317
8/31/97	57,110	57,110	57,110
8/31/98	57,260	57,260	57,260
8/31/99	59,934	59,934	59,934
8/31/00	64,101	64,101	64,101
8/31/01	62,556	62,556	62,556
8/31/02	60,932	60,932	60,932
8/31/03	64,504	64,495	64,500
8/31/04	41,622	41,624	41,623
8/31/05	42,086	42,090	42,088
8/31/06	33,377	33,379	33,378
8/31/07	35,666	35,668	35,667
8/31/08	39,573	39,569	39,571
8/31/09	36,785	36,785	36,785
8/31/10	41,048	41,044	41,046
8/31/11	40,699	40,687	40,693
8/31/12	34,065	34,073	34,069
8/31/13	33,113	33,129	33,121
8/31/14	35,109	35,116	35,112
8/31/15	35,167	35,157	35,162
8/31/16	39,317	39,311	39,314
8/31/17	34,437	34,448	34,442
8/31/18	33,294	33,310	33,302
8/31/19	33,287	33,302	33,294
8/31/20	33,009	33,001	33,005
8/31/21	34,197	34,049	34,123
8/31/22	28,109	31,952	30,030
Totals	\$ 1,773,926	\$ 1,436,187	\$ 1,775,790

Exhibit 5

State Office of Risk Management

Workers Compensation Program Development Factors Applied to Paid Losses

Fiscal Year Ending	Lag Period (1)	Months Since Inception (2)	Indemnity Claims				
			Paid Claims (000) (3)	Claim Develop- ment Factor (4)	Ultimate Incurred Claims (000) (5) = (3)*(4)	Number of Incurred Claims (6)	Average Claim Size (000) (7) = (5) ÷ (6)
FY 75 - 82	40	492	34,937	1.0000	34,937	41,861	0.835
8/31/83	39	480	7,800	1.0000	7,800	6,205	1.257
8/31/84	38	468	11,867	1.0000	11,867	6,642	1.787
8/31/85	37	456	13,266	1.0000	13,266	7,185	1.846
8/31/86	36	444	17,327	1.0000	17,327	7,137	2.428
8/31/87	35	432	18,003	1.0000	18,003	6,826	2.637
8/31/88	34	420	22,542	1.0000	22,542	7,419	3.038
8/31/89	33	408	27,736	1.0000	27,736	8,015	3.461
8/31/90	32	396	32,881	1.0000	32,881	7,998	4.111
8/31/91	31	384	24,424	1.0000	24,424	8,659	2.821
8/31/92	30	372	22,403	1.0000	22,403	9,182	2.440
8/31/93	29	360	21,352	1.0000	21,352	9,192	2.323
8/31/94	28	348	23,876	1.0000	23,876	10,123	2.359
8/31/95	27	336	24,470	1.0000	24,470	10,352	2.364
8/31/96	26	324	20,990	1.0000	20,990	9,527	2.203
8/31/97	25	312	22,487	1.0000	22,487	8,680	2.591
8/31/98	24	300	23,226	1.0000	23,226	8,353	2.781
8/31/99	23	288	24,394	1.0000	24,394	8,294	2.941
8/31/00	22	276	28,472	1.0000	28,472	8,348	3.411
8/31/01	21	264	24,557	1.0025	24,618	8,156	3.018
8/31/02	20	252	23,896	1.0047	24,009	8,549	2.808
8/31/03	19	240	21,979	1.0068	22,130	7,518	2.944
8/31/04	18	228	17,360	1.0091	17,519	7,209	2.430
8/31/05	17	216	17,841	1.0121	18,057	7,424	2.432
8/31/06	16	204	14,215	1.0152	14,431	6,826	2.114
8/31/07	15	192	15,685	1.0180	15,968	7,000	2.281
8/31/08	14	180	17,075	1.0216	17,444	7,312	2.386
8/31/09	13	168	15,987	1.0259	16,401	7,363	2.227
8/31/10	12	156	17,190	1.0305	17,715	7,512	2.358
8/31/11	11	144	17,605	1.0358	18,236	7,648	2.384
8/31/12	10	132	13,938	1.0424	14,529	7,169	2.027
8/31/13	9	120	12,233	1.0490	12,832	7,021	1.828
8/31/14	8	108	14,341	1.0566	15,153	6,899	2.196
8/31/15	7	96	13,723	1.0688	14,668	6,814	2.153
8/31/16	6	84	15,377	1.0841	16,670	6,733	2.476
8/31/17	5	72	13,826	1.1036	15,258	6,883	2.217
8/31/18	4	60	13,297	1.1215	14,913	6,570	2.270
8/31/19	3	48	13,378	1.1506	15,394	6,588	2.337
8/31/20	2	36	13,264	1.2200	16,182	6,451	2.508
8/31/21	1	24	11,853	1.5140	17,946	5,958	3.012
8/31/22	0	12	4,420	3.8492	17,014	5,766	2.951
			\$ 765,498		\$ 799,541		

Exhibit 5

State Office of Risk Management

Workers Compensation Program Development Factors Applied to Paid Losses

Fiscal Year Ending	Lag Period (1)	Months Since Inception (2)	Paid Claims (000) (3)	Claim Develop- ment Factor (4)	Medical Claims		Average Claim Size (000) (7) = (5) ÷ (6)
					Ultimate Incurred Claims (000) (5) = (3)*(4)	Number of Incurred Claims (6)	
FY 75 - 82	40	492	24,563	1.0000	24,563	41,861	0.587
8/31/83	39	480	6,417	1.0000	6,417	6,205	1.034
8/31/84	38	468	9,959	1.0000	9,959	6,642	1.499
8/31/85	37	456	9,920	1.0000	9,920	7,185	1.381
8/31/86	36	444	12,187	1.0000	12,187	7,137	1.708
8/31/87	35	432	14,966	1.0000	14,966	6,826	2.192
8/31/88	34	420	26,496	1.0000	26,496	7,419	3.571
8/31/89	33	408	23,756	1.0000	23,756	8,015	2.964
8/31/90	32	396	26,844	1.0000	26,844	7,998	3.356
8/31/91	31	384	28,111	1.0000	28,111	8,659	3.246
8/31/92	30	372	31,688	1.0000	31,688	9,182	3.451
8/31/93	29	360	28,897	1.0000	28,897	9,192	3.144
8/31/94	28	348	31,265	1.0000	31,265	10,123	3.089
8/31/95	27	336	31,300	1.0000	31,300	10,352	3.024
8/31/96	26	324	33,327	1.0000	33,327	9,527	3.498
8/31/97	25	312	34,622	1.0000	34,622	8,680	3.989
8/31/98	24	300	34,034	1.0000	34,034	8,353	4.074
8/31/99	23	288	35,539	1.0000	35,539	8,294	4.285
8/31/00	22	276	35,629	1.0000	35,629	8,348	4.268
8/31/01	21	264	37,669	1.0027	37,770	8,156	4.631
8/31/02	20	252	36,534	1.0061	36,756	8,549	4.300
8/31/03	19	240	41,805	1.0096	42,206	7,518	5.614
8/31/04	18	228	23,623	1.0149	23,976	7,209	3.326
8/31/05	17	216	23,411	1.0204	23,888	7,424	3.218
8/31/06	16	204	18,387	1.0240	18,827	6,826	2.758
8/31/07	15	192	19,004	1.0246	19,472	7,000	2.782
8/31/08	14	180	21,246	1.0253	21,785	7,312	2.979
8/31/09	13	168	19,467	1.0266	19,985	7,363	2.714
8/31/10	12	156	22,271	1.0277	22,887	7,512	3.047
8/31/11	11	144	21,389	1.0297	22,025	7,648	2.880
8/31/12	10	132	18,548	1.0331	19,163	7,169	2.673
8/31/13	9	120	19,231	1.0348	19,899	7,021	2.834
8/31/14	8	108	18,874	1.0369	19,571	6,899	2.837
8/31/15	7	96	19,346	1.0389	20,098	6,814	2.950
8/31/16	6	84	21,277	1.0437	22,206	6,733	3.298
8/31/17	5	72	17,956	1.0483	18,823	6,883	2.735
8/31/18	4	60	17,096	1.0559	18,052	6,570	2.748
8/31/19	3	48	16,502	1.0669	17,606	6,588	2.672
8/31/20	2	36	15,240	1.0934	16,663	6,451	2.583
8/31/21	1	24	14,048	1.1762	16,524	5,958	2.773
8/31/22	0	12	6,495	1.9799	12,858	5,766	2.230
			\$ 948,940		\$ 970,563		

Exhibit 5

State Office of Risk Management

Workers Compensation Program Development Factors Applied to Paid Losses

Fiscal Year Ending	Lag Period (1)	Months Since Inception (2)	Paid Claims (000) (3)	Claim Develop- ment Factor (4)	Total Claims		Average Claim Size (000) (7) = (5) ÷ (6)
					Incurred Claims (000) (5) = (3)*(4)	Number of Incurred Claims (6)	
FY 75 - 81	40	492	59,500	1.0000	59,500	41,861	1.421
8/31/83	39	480	14,217	1.0000	14,217	6,205	2.291
8/31/84	38	468	21,826	1.0000	21,826	6,642	3.286
8/31/85	37	456	23,186	1.0000	23,186	7,185	3.227
8/31/86	36	444	29,513	1.0000	29,513	7,137	4.135
8/31/87	35	432	32,968	1.0000	32,968	6,826	4.830
8/31/88	34	420	49,038	1.0000	49,038	7,419	6.610
8/31/89	33	408	51,492	1.0000	51,492	8,015	6.424
8/31/90	32	396	59,725	1.0000	59,725	7,998	7.467
8/31/91	31	384	52,535	1.0000	52,535	8,659	6.067
8/31/92	30	372	54,091	1.0000	54,091	9,182	5.891
8/31/93	29	360	50,249	1.0000	50,249	9,192	5.467
8/31/94	28	348	55,141	1.0000	55,141	10,123	5.447
8/31/95	27	336	55,770	1.0000	55,770	10,352	5.387
8/31/96	26	324	54,317	1.0000	54,317	9,527	5.701
8/31/97	25	312	57,110	1.0000	57,110	8,680	6.579
8/31/98	24	300	57,260	1.0000	57,260	8,353	6.855
8/31/99	23	288	59,934	1.0000	59,934	8,294	7.226
8/31/00	22	276	64,101	1.0000	64,101	8,348	7.679
8/31/01	21	264	62,226	1.0053	62,556	8,156	7.670
8/31/02	20	252	60,430	1.0083	60,932	8,549	7.127
8/31/03	19	240	63,784	1.0113	64,504	7,518	8.580
8/31/04	18	228	40,984	1.0156	41,622	7,209	5.774
8/31/05	17	216	41,251	1.0202	42,086	7,424	5.669
8/31/06	16	204	32,602	1.0238	33,377	6,826	4.890
8/31/07	15	192	34,689	1.0282	35,666	7,000	5.095
8/31/08	14	180	38,321	1.0327	39,573	7,312	5.412
8/31/09	13	168	35,454	1.0375	36,785	7,363	4.996
8/31/10	12	156	39,461	1.0402	41,048	7,512	5.464
8/31/11	11	144	38,995	1.0437	40,699	7,648	5.321
8/31/12	10	132	32,486	1.0486	34,065	7,169	4.752
8/31/13	9	120	31,464	1.0524	33,113	7,021	4.716
8/31/14	8	108	33,215	1.0570	35,109	6,899	5.089
8/31/15	7	96	33,070	1.0634	35,167	6,814	5.161
8/31/16	6	84	36,654	1.0727	39,317	6,733	5.839
8/31/17	5	72	31,782	1.0835	34,437	6,883	5.003
8/31/18	4	60	30,393	1.0954	33,294	6,570	5.068
8/31/19	3	48	29,880	1.1140	33,287	6,588	5.053
8/31/20	2	36	28,504	1.1580	33,009	6,451	5.117
8/31/21	1	24	25,901	1.3203	34,197	5,958	5.740
8/31/22	0	12	10,915	2.5754	28,109	5,766	4.875
			\$ 1,714,438		\$ 1,773,926		

Exhibit 6

State Office of Risk Management

Workers Compensation Program Bornheutter-Ferguson Method Development Factors Applied to Paid Losses

Fiscal Year Ending	Exposure Payroll (000) (1)	Selected Loss Rate Per \$100 (2)	Indemnity Claims					
			Expected Ult Loss (000) (3) = (1) x (2)	Loss Develop- ment Factor (4)	Unpaid Loss Factor (5) = 1 - [1/(4)]	Unpaid Loss (000) (6) = (3) x (5)	Paid Loss (000) (7)	Ultimate Loss (000) (8) = (6) + (7)
8/31/91	3,499,122	0.6980	24,424	1.0000	0.0000	0	24,424	24,424
8/31/92	3,857,167	0.5803	22,384	1.0000	0.0000	0	22,403	22,403
8/31/93	4,191,907	0.5091	21,339	1.0000	0.0000	0	21,352	21,352
8/31/94	4,792,296	0.4982	23,876	1.0000	0.0000	0	23,876	23,876
8/31/95	4,887,812	0.4999	24,436	1.0000	0.0000	0	24,470	24,470
8/31/96	5,034,559	0.4169	20,990	1.0000	0.0000	0	20,990	20,990
8/31/97	4,651,803	0.4834	22,487	1.0000	0.0000	0	22,487	22,487
8/31/98	4,901,972	0.4733	23,200	1.0000	0.0000	0	23,226	23,226
8/31/99	4,943,025	0.4930	24,371	1.0000	0.0000	0	24,394	24,394
8/31/00	5,263,935	0.5379	28,313	1.0000	0.0000	0	28,472	28,472
8/31/01	5,407,454	0.4555	24,630	1.0025	0.0025	62	24,557	24,618
8/31/02	5,532,344	0.4349	24,058	1.0047	0.0047	113	23,896	24,009
8/31/03	5,668,640	0.3899	22,103	1.0068	0.0068	150	21,979	22,130
8/31/04	5,442,937	0.3216	17,504	1.0091	0.0091	158	17,360	17,519
8/31/05	5,473,674	0.3306	18,094	1.0121	0.0120	216	17,841	18,057
8/31/06	5,829,323	0.2470	14,401	1.0152	0.0150	215	14,215	14,431
8/31/07	6,247,352	0.2554	15,953	1.0180	0.0177	283	15,685	15,968
8/31/08	6,477,872	0.2681	17,368	1.0216	0.0212	367	17,075	17,442
8/31/09	6,958,328	0.2351	16,357	1.0259	0.0252	412	15,987	16,400
8/31/10	7,194,186	0.2450	17,622	1.0305	0.0296	521	17,190	17,712
8/31/11	7,162,220	0.2519	18,043	1.0358	0.0346	624	17,605	18,229
8/31/12	7,047,697	0.2065	14,554	1.0424	0.0407	592	13,938	14,530
8/31/13	7,325,327	0.1777	13,017	1.0490	0.0467	608	12,233	12,841
8/31/14	7,705,345	0.1974	15,207	1.0566	0.0535	814	14,341	15,156
8/31/15	8,013,889	0.1799	14,419	1.0688	0.0644	929	13,723	14,652
8/31/16	8,461,320	0.1953	16,528	1.0841	0.0776	1,282	15,377	16,659
8/31/17	8,643,615	0.1755	15,172	1.1036	0.0939	1,424	13,826	15,250
8/31/18	8,569,289	0.1715	14,694	1.1215	0.1083	1,592	13,297	14,889
8/31/19	8,767,815	0.1737	15,226	1.1506	0.1309	1,993	13,378	15,372
8/31/20	9,039,964	0.1716	15,509	1.2200	0.1803	2,797	13,264	16,061
8/31/21	9,207,210	0.1819	16,749	1.5140	0.3395	5,687	11,853	17,540
8/31/22	9,050,206	0.1750	15,838	3.8492	0.7402	11,723	4,420	16,143
			\$ 608,868			\$ 32,564	\$ 579,138	\$ 611,702

Exhibit 6

State Office of Risk Management

Workers Compensation Program Bornheutter-Ferguson Method Development Factors Applied to Paid Losses

Medical Claims

Fiscal Year Ending	Exposure Payroll (000) (1)	Selected Loss Rate Per \$100 (2)	Loss					
			Expected Ult Loss (000) (3) = (1) x (2)	Develop- ment Factor (4)	Unpaid Loss Factor (5) = 1 - [1/(4)]	Unpaid Loss (000) (6) = (3) x (5)	Paid Loss (000) (7)	Ultimate Loss (000) (8) = (6) + (7)
8/31/91	3,499,122	0.8034	28,110	1.0000	0.0000	0	28,111	28,111
8/31/92	3,857,167	0.8206	31,652	1.0000	0.0000	0	31,688	31,688
8/31/93	4,191,907	0.6892	28,891	1.0000	0.0000	0	28,897	28,897
8/31/94	4,792,296	0.6523	31,261	1.0000	0.0000	0	31,265	31,265
8/31/95	4,887,812	0.6403	31,295	1.0000	0.0000	0	31,300	31,300
8/31/96	5,034,559	0.6615	33,302	1.0000	0.0000	0	33,327	33,327
8/31/97	4,651,803	0.7442	34,619	1.0000	0.0000	0	34,622	34,622
8/31/98	4,901,972	0.6935	33,994	1.0000	0.0000	0	34,034	34,034
8/31/99	4,943,025	0.7184	35,511	1.0000	0.0000	0	35,539	35,539
8/31/00	5,263,935	0.6784	35,713	1.0000	0.0000	0	35,629	35,629
8/31/01	5,407,454	0.7005	37,880	1.0027	0.0027	101	37,669	37,771
8/31/02	5,532,344	0.6673	36,915	1.0061	0.0060	223	36,534	36,757
8/31/03	5,668,640	0.7344	41,629	1.0096	0.0095	396	41,805	42,201
8/31/04	5,442,937	0.4453	24,240	1.0149	0.0147	357	23,623	23,980
8/31/05	5,473,674	0.4421	24,198	1.0204	0.0200	484	23,411	23,894
8/31/06	5,829,323	0.3247	18,930	1.0240	0.0234	443	18,387	18,830
8/31/07	6,247,352	0.3131	19,558	1.0246	0.0240	470	19,004	19,474
8/31/08	6,477,872	0.3378	21,882	1.0253	0.0247	540	21,246	21,787
8/31/09	6,958,328	0.2902	20,195	1.0266	0.0259	524	19,467	19,991
8/31/10	7,194,186	0.3206	23,064	1.0277	0.0269	622	22,271	22,892
8/31/11	7,162,220	0.3089	22,127	1.0297	0.0288	638	21,389	22,028
8/31/12	7,047,697	0.2760	19,450	1.0331	0.0321	624	18,548	19,172
8/31/13	7,325,327	0.2755	20,181	1.0348	0.0336	678	19,231	19,909
8/31/14	7,705,345	0.2569	19,799	1.0369	0.0356	705	18,874	19,579
8/31/15	8,013,889	0.2538	20,342	1.0389	0.0374	761	19,346	20,107
8/31/16	8,461,320	0.2654	22,459	1.0437	0.0418	940	21,277	22,217
8/31/17	8,643,615	0.2220	19,188	1.0483	0.0461	884	17,956	18,840
8/31/18	8,569,289	0.2165	18,553	1.0559	0.0530	983	17,096	18,079
8/31/19	8,767,815	0.2058	18,044	1.0669	0.0627	1,132	16,502	17,634
8/31/20	9,039,964	0.1924	17,392	1.0934	0.0854	1,485	15,240	16,725
8/31/21	9,207,210	0.1891	17,415	1.1762	0.1498	2,609	14,048	16,657
8/31/22	9,050,206	0.2050	18,553	1.9799	0.4949	9,182	6,495	15,677
			\$ 826,340			\$ 24,781	\$ 793,833	\$ 818,614

Exhibit 6

State Office of Risk Management

Workers Compensation Program Bornheutter-Ferguson Method Development Factors Applied to Paid Losses

All Claims

Fiscal Year Ending	Exposure Payroll (000) (1)	Selected Loss Rate Per \$100 (2)	Loss					
			Expected Ult Loss (000) (3) = (1) x (2)	Develop- ment Factor (4)	Unpaid Loss Factor (5) = 1 - [1/(4)]	Unpaid Loss (000) (6) = (3) x (5)	Paid Loss (000) (7)	Ultimate Loss (000) (8) = (6) + (7)
8/31/91	3,499,122	1.5014	52,534	1.0000	0.0000	0	52,535	52,535
8/31/92	3,857,167	1.4009	54,036	1.0000	0.0000	0	54,091	54,091
8/31/93	4,191,907	1.1983	50,230	1.0000	0.0000	0	50,249	50,249
8/31/94	4,792,296	1.1506	55,138	1.0000	0.0000	0	55,141	55,141
8/31/95	4,887,812	1.1402	55,731	1.0000	0.0000	0	55,770	55,770
8/31/96	5,034,559	1.0784	54,293	1.0000	0.0000	0	54,317	54,317
8/31/97	4,651,803	1.2276	57,106	1.0000	0.0000	0	57,110	57,110
8/31/98	4,901,972	1.1667	57,194	1.0000	0.0000	0	57,260	57,260
8/31/99	4,943,025	1.2115	59,882	1.0000	0.0000	0	59,934	59,934
8/31/00	5,263,935	1.2164	64,029	1.0000	0.0000	0	64,101	64,101
8/31/01	5,407,454	1.1561	62,513	1.0053	0.0053	330	62,226	62,556
8/31/02	5,532,344	1.1023	60,984	1.0083	0.0082	502	60,430	60,932
8/31/03	5,668,640	1.1242	63,728	1.0113	0.0112	711	63,784	64,495
8/31/04	5,442,937	0.7672	41,761	1.0156	0.0153	640	40,984	41,624
8/31/05	5,473,674	0.7729	42,306	1.0202	0.0198	839	41,251	42,090
8/31/06	5,829,323	0.5739	33,455	1.0238	0.0232	777	32,602	33,379
8/31/07	6,247,352	0.5720	35,737	1.0282	0.0274	979	34,689	35,668
8/31/08	6,477,872	0.6093	39,470	1.0327	0.0316	1,248	38,321	39,569
8/31/09	6,958,328	0.5286	36,783	1.0375	0.0362	1,331	35,454	36,785
8/31/10	7,194,186	0.5691	40,940	1.0402	0.0387	1,583	39,461	41,044
8/31/11	7,162,220	0.5643	40,415	1.0437	0.0419	1,692	38,995	40,687
8/31/12	7,047,697	0.4858	34,239	1.0486	0.0463	1,587	32,486	34,073
8/31/13	7,325,327	0.4564	33,435	1.0524	0.0498	1,666	31,464	33,129
8/31/14	7,705,345	0.4572	35,228	1.0570	0.0539	1,900	33,215	35,116
8/31/15	8,013,889	0.4368	35,002	1.0634	0.0596	2,087	33,070	35,157
8/31/16	8,461,320	0.4637	39,231	1.0727	0.0677	2,657	36,654	39,311
8/31/17	8,643,615	0.4001	34,587	1.0835	0.0771	2,666	31,782	34,448
8/31/18	8,569,289	0.3907	33,478	1.0954	0.0871	2,917	30,393	33,310
8/31/19	8,767,815	0.3813	33,433	1.1140	0.1023	3,421	29,880	33,302
8/31/20	9,039,964	0.3645	32,953	1.1580	0.1365	4,497	28,504	33,001
8/31/21	9,207,210	0.3648	33,587	1.3203	0.2426	8,148	25,901	34,049
8/31/22	9,050,206	0.3800	34,391	2.5754	0.6117	21,037	10,915	31,952
			\$ 1,437,829			\$ 63,216	\$ 1,372,971	\$ 1,436,187

Exhibit 7

State Office of Risk Management

Bornhuetter-Ferguson Method Applied to Fiscal Years 2018 Through 2022

Fiscal Year Ending	Indemnity Claims						
	Loss Rate	On-level		Expected		Liability	Ultimate Loss
	Per \$100 Payroll @ FY23 Level (1)	Cumulative Net Trend (2)	On-level Net Trend (3) = 1 / (2)	Loss Rate Per \$100 Payroll (4) = (1) * (3)	Payroll (000) (5)	Loss (000) (Prior Study) (7)	
8/31/18					8,569,289	0.1083	(8) = (6) * (7) 1,592
8/31/19					8,767,815	0.1309	1,993
8/31/20					9,039,964	0.1803	2,797
8/31/21					9,207,210	0.3395	5,687
8/31/22					9,050,206	0.7402	11,723
					44,634,483		23,792
8/31/23	0.1800	1.0000	1.0000	0.1800	9,231,210	N/A	N/A
8/31/24	0.1800	1.0000	1.0000	0.1800	9,415,834	N/A	N/A
8/31/25	0.1800	1.0000	1.0000	0.1800	9,604,151	N/A	N/A
							80,005
							16,616
							16,949
							17,287

Fiscal Year Ending	Medical Claims						
	Loss Rate	On-level		Expected		Liability	Ultimate Loss
	Per \$100 Payroll @ FY23 Level (1)	Cumulative Net Trend (2)	On-level Net Trend (3) = 1 / (2)	Loss Rate Per \$100 Payroll (4) = (1) * (3)	Payroll (000) (5)	Loss (000) (Prior Study) (7)	
8/31/18					8,569,289	0.0530	983
8/31/19					8,767,815	0.0627	1,132
8/31/20					9,039,964	0.0854	1,485
8/31/21					9,207,210	0.1498	2,609
8/31/22					9,050,206	0.4949	9,182
					44,634,483		15,391
8/31/23	0.2000	1.0000	1.0000	0.2000	9,231,210	N/A	N/A
8/31/24	0.2000	0.9903	1.0098	0.2020	9,415,834	N/A	N/A
8/31/25	0.2000	0.9807	1.0197	0.2039	9,604,151	N/A	N/A
							84,772
							18,462
							19,016
							19,587

Total of Indemnity and Medical Claims							
8/31/23	0.3800	1.0000	1.0000	0.3800	9,231,210	N/A	N/A
8/31/24	0.3800	0.9949	1.0052	0.3820	9,415,834	N/A	N/A
8/31/25	0.3800	0.9897	1.0104	0.3839	9,604,151	N/A	N/A
							35,079
							35,965
							36,874

Exhibit 7

State Office of Risk Management

Bornhuetter-Ferguson Method Applied to Fiscal Years 2018 Through 2022

Fiscal Year Ending	Loss Rate		On-level		Total Claims			Ultimate Loss (000) (10) = (8) + (9)		
	Per \$100 Payroll @ FY23 Level (1)	Cumulative Net Trend (2)	On-level Net Trend (3) = 1 / (2)	Loss Rate Per \$100 Payroll (4) = (1) * (3)	Payroll (000) (5)	Expected Loss (000) (Prior Study)	Unpaid Claims Factor (7)		Liability for Unpaid Claims (8) = (6) * (7)	Paid Loss (000) (9)
8/31/18					8,569,289	33,478	0.0871	2,917	30,393	33,310
8/31/19					8,767,815	33,433	0.1023	3,421	29,880	33,302
8/31/20					9,039,964	32,953	0.1365	4,497	28,504	33,001
8/31/21					9,207,210	33,587	0.2426	8,148	25,901	34,049
8/31/22					9,050,206	34,391	0.6117	21,037	10,915	31,952
					44,634,483	167,843		40,020	125,593	165,614
8/31/23	0.3800	1.0000	1.0000	0.3800	9,231,210	35,079	N/A	N/A	N/A	35,079
8/31/24	0.3800	0.9951	1.0049	0.3819	9,415,834	35,956	N/A	N/A	N/A	35,956
8/31/25	0.3800	0.9903	1.0098	0.3837	9,604,151	36,854	N/A	N/A	N/A	36,854

Notes:

1. Loss Rate per \$100 Payroll @ FY23 Level (Column 1) is the Selected Loss Rate From Exhibit 8.
2. Cumulative Net Trend (Column 2) is derived in Exhibit 9.
3. Unpaid Claims Factors (Column 7) are derived from the Percentage Paid factors in Exhibits 16, 17 and 18.

Exhibit 8

State Office of Risk Management

Derivation of Trended Loss Rates

<i>Fiscal Year Ending</i>	<i>Indemnity Claims</i>				<i>Trended Loss Rate Per \$100 Payroll^c</i>
	<i>Ultimate Incurred Claims (000)</i>	<i>Payroll (000)</i>	<i>Loss Rate Per \$100 Payroll</i>	<i>Net Trend to 2/23^a</i>	
8/31/91	24,424	3,499,122	0.6980	0.7296	0.5093
8/31/92	22,403	3,857,167	0.5808	0.7368	0.4279
8/31/93	21,352	4,191,907	0.5094	0.7441	0.3790
8/31/94	23,876	4,792,296	0.4982	0.7515	0.3744
8/31/95	24,470	4,887,812	0.5006	0.7589	0.3799
8/31/96	20,990	5,034,559	0.4169	0.7664	0.3195
8/31/97	22,487	4,651,803	0.4834	0.7740	0.3742
8/31/98	23,226	4,901,972	0.4738	0.7817	0.3704
8/31/99	24,394	4,943,025	0.4935	0.7894	0.3896
8/31/00	28,472	5,263,935	0.5409	0.7972	0.4312
8/31/01	24,618	5,407,454	0.4553	0.8051	0.3665
8/31/02	24,009	5,532,344	0.4340	0.8131	0.3529
8/31/03	22,130	5,668,640	0.3904	0.8212	0.3206
8/31/04	17,519	5,442,937	0.3219	0.8293	0.2669
8/31/05	18,057	5,473,674	0.3299	0.8375	0.2763
8/31/06	14,431	5,829,323	0.2476	0.8458	0.2094
8/31/07	15,968	6,247,352	0.2556	0.8542	0.2183
8/31/08	17,443	6,477,872	0.2693	0.8626	0.2323
8/31/09	16,400	6,958,328	0.2357	0.8712	0.2053
8/31/10	17,713	7,194,186	0.2462	0.8798	0.2166
8/31/11	18,232	7,162,220	0.2546	0.8885	0.2262
8/31/12	14,530	7,047,697	0.2062	0.8973	0.1850
8/31/13	12,836	7,325,327	0.1752	0.9062	0.1588
8/31/14	15,154	7,705,345	0.1967	0.9151	0.1800
8/31/15	14,660	8,013,889	0.1829	0.9242	0.1691
8/31/16	16,664	8,461,320	0.1969	0.9334	0.1838
8/31/17	15,254	8,643,615	0.1765	0.9426	0.1663
8/31/18	14,901	8,569,289	0.1739	0.9519	0.1655
8/31/19	15,383	8,767,815	0.1754	0.9614	0.1687
8/31/20	16,121	9,039,964	0.1783	0.9709	0.1731
8/31/21	17,743	9,207,210	0.1927	0.9805	0.1889
8/31/22	16,579	9,050,206	0.1832	0.9902	0.1814
Average:			0.3336		0.2740
Three Year Average:			0.1847		0.1812
Five Year Average:			0.1807		0.1755
Selected Loss Rate:					0.1800

Notes:

1. The Net Trend to 2/23 is the factor needed to express prior year loss rates in terms of Fiscal Year 2022-23 dollars.
2. The Trended Loss Rate per \$100 Payroll is the loss rate for each claim year expressed in terms of Fiscal Year 2022-23 dollars. Expressing prior years' loss rates in terms of current dollars allows us to use various averages of prior trended loss rates as a benchmark in estimating the current expected loss rate.

Exhibit 8

State Office of Risk Management

Derivation of Trended Loss Rates

<i>Fiscal Year Ending</i>	<i>Medical Claims</i>				<i>Trended Loss Rate Per \$100 Payroll^c</i>
	<i>Ultimate Incurred Claims (000)</i>	<i>Payroll (000)</i>	<i>Loss Rate Per \$100 Payroll</i>	<i>Net Trend to 2/23^a</i>	
8/31/91	28,111	3,499,122	0.8034	1.0000	0.8034
8/31/92	31,688	3,857,167	0.8215	1.0000	0.8215
8/31/93	28,897	4,191,907	0.6894	1.0000	0.6894
8/31/94	31,265	4,792,296	0.6524	1.0000	0.6524
8/31/95	31,300	4,887,812	0.6404	1.0000	0.6404
8/31/96	33,327	5,034,559	0.6620	1.0000	0.6620
8/31/97	34,622	4,651,803	0.7443	1.0000	0.7443
8/31/98	34,034	4,901,972	0.6943	1.0000	0.6943
8/31/99	35,539	4,943,025	0.7190	1.0000	0.7190
8/31/00	35,629	5,263,935	0.6768	1.0000	0.6768
8/31/01	37,770	5,407,454	0.6985	1.0000	0.6985
8/31/02	36,757	5,532,344	0.6644	1.0000	0.6644
8/31/03	42,203	5,668,640	0.7445	1.0000	0.7445
8/31/04	23,978	5,442,937	0.4405	1.0000	0.4405
8/31/05	23,891	5,473,674	0.4365	1.0000	0.4365
8/31/06	18,829	5,829,323	0.3230	1.0000	0.3230
8/31/07	19,473	6,247,352	0.3117	1.0000	0.3117
8/31/08	21,786	6,477,872	0.3363	1.0000	0.3363
8/31/09	19,988	6,958,328	0.2873	1.0000	0.2873
8/31/10	22,890	7,194,186	0.3182	1.0000	0.3182
8/31/11	22,026	7,162,220	0.3075	1.0000	0.3075
8/31/12	19,167	7,047,697	0.2720	1.0000	0.2720
8/31/13	19,904	7,325,327	0.2717	1.0000	0.2717
8/31/14	19,575	7,705,345	0.2540	1.0000	0.2540
8/31/15	20,103	8,013,889	0.2508	1.0000	0.2508
8/31/16	22,211	8,461,320	0.2625	1.0000	0.2625
8/31/17	18,832	8,643,615	0.2179	1.0000	0.2179
8/31/18	18,065	8,569,289	0.2108	1.0000	0.2108
8/31/19	17,620	8,767,815	0.2010	1.0000	0.2010
8/31/20	16,694	9,039,964	0.1847	1.0000	0.1847
8/31/21	16,590	9,207,210	0.1802	1.0000	0.1802
8/31/22	14,268	9,050,206	0.1576	1.0000	0.1576
Average:			0.4511		0.4511
Three Year Average:			0.1742		0.1742
Five Year Average:			0.1869		0.1869
Selected Loss Rate:					0.2000

Notes:

1. The Net Trend to 2/23 is the factor needed to express prior year loss rates in terms of Fiscal Year 2022-23 dollars.
2. The Trended Loss Rate per \$100 Payroll is the loss rate for each claim year expressed in terms of Fiscal Year 2022-23 dollars. Expressing prior years' loss rates in terms of current dollars allows us to use various averages of prior trended loss rates as a benchmark in estimating the current expected loss rate.

Exhibit 8

State Office of Risk Management

Derivation of Trended Loss Rates

<i>Fiscal Year Ending</i>	<i>Total Claims</i>				<i>Trended Loss Rate Per \$100 Payroll^c</i>
	<i>Ultimate Incurred Claims (000)</i>	<i>Payroll (000)</i>	<i>Loss Rate Per \$100 Payroll</i>	<i>Net Trend to 2/23^a</i>	
8/31/91	52,535	3,499,122	1.5014	0.8545	1.2829
8/31/92	54,091	3,857,167	1.4023	0.8587	1.2042
8/31/93	50,249	4,191,907	1.1987	0.8629	1.0344
8/31/94	55,141	4,792,296	1.1506	0.8672	0.9978
8/31/95	55,770	4,887,812	1.1410	0.8715	0.9943
8/31/96	54,317	5,034,559	1.0789	0.8757	0.9448
8/31/97	57,110	4,651,803	1.2277	0.8801	1.0804
8/31/98	57,260	4,901,972	1.1681	0.8844	1.0331
8/31/99	59,934	4,943,025	1.2125	0.8888	1.0776
8/31/00	64,101	5,263,935	1.2177	0.8931	1.0876
8/31/01	62,556	5,407,454	1.1569	0.8975	1.0383
8/31/02	60,932	5,532,344	1.1014	0.9020	0.9934
8/31/03	64,500	5,668,640	1.1378	0.9064	1.0313
8/31/04	41,623	5,442,937	0.7647	0.9109	0.6965
8/31/05	42,088	5,473,674	0.7689	0.9153	0.7038
8/31/06	33,378	5,829,323	0.5726	0.9199	0.5267
8/31/07	35,667	6,247,352	0.5709	0.9244	0.5277
8/31/08	39,571	6,477,872	0.6109	0.9289	0.5675
8/31/09	36,785	6,958,328	0.5287	0.9335	0.4935
8/31/10	41,046	7,194,186	0.5705	0.9381	0.5352
8/31/11	40,693	7,162,220	0.5682	0.9427	0.5356
8/31/12	34,069	7,047,697	0.4834	0.9474	0.4580
8/31/13	33,121	7,325,327	0.4521	0.9520	0.4305
8/31/14	35,112	7,705,345	0.4557	0.9567	0.4360
8/31/15	35,162	8,013,889	0.4388	0.9615	0.4218
8/31/16	39,314	8,461,320	0.4646	0.9662	0.4489
8/31/17	34,442	8,643,615	0.3985	0.9709	0.3869
8/31/18	33,302	8,569,289	0.3886	0.9757	0.3792
8/31/19	33,294	8,767,815	0.3797	0.9805	0.3723
8/31/20	33,005	9,039,964	0.3651	0.9854	0.3598
8/31/21	34,123	9,207,210	0.3706	0.9902	0.3670
8/31/22	30,030	9,050,206	0.3318	0.9951	0.3302
Average:			0.7869		0.7118
Three Year Average:			0.3558		0.3523
Five Year Average:			0.3672		0.3617
Selected Loss Rate:					0.3800

Notes:

1. The Net Trend to 2/23 is the factor needed to express prior year loss rates in terms of Fiscal Year 2022-23 dollars.
2. The Trended Loss Rate per \$100 Payroll is the loss rate for each claim year expressed in terms of Fiscal Year 2022-23 dollars. Expressing prior years' loss rates in terms of current dollars allows us to use various averages of prior trended loss rates as a benchmark in estimating the current expected loss rate.

Exhibit 9
State Office of Risk Management

Calculation of Trend on Claim Severity at August 31, 2022

<i>Indemnity Claims</i>								
<i>Fiscal Year Ending</i>	<i>Ultimate Incurred Claims (000)</i>	<i>No of Claims</i>	<i>Average Claim Severity</i>	<i>x</i>	<i>ln(Size) y</i>	<i>x²</i>	<i>xy</i>	<i>exp(y')</i>
08/94	23,876	10,123	2,359	1	7.7658	1	7.7658	2,591
08/95	24,470	10,352	2,364	2	7.7680	4	15.5361	2,581
08/96	20,990	9,527	2,203	3	7.6977	9	23.0931	2,571
08/97	22,487	8,680	2,591	4	7.8597	16	31.4387	2,561
08/98	23,226	8,353	2,781	5	7.9304	25	39.6521	2,552
08/99	24,394	8,294	2,941	6	7.9866	36	47.9194	2,542
08/00	28,472	8,348	3,411	7	8.1347	49	56.9427	2,532
08/01	24,618	8,156	3,018	8	8.0125	64	64.0999	2,522
08/02	24,009	8,549	2,808	9	7.9404	81	71.4634	2,513
08/03	22,130	7,518	2,944	10	7.9874	100	79.8738	2,503
08/04	17,519	7,209	2,430	11	7.7957	121	85.7528	2,493
08/05	18,057	7,424	2,432	12	7.7966	144	93.5588	2,484
08/06	14,431	6,826	2,114	13	7.6564	169	99.5330	2,474
08/07	15,968	7,000	2,281	14	7.7324	196	108.2539	2,465
08/08	17,443	7,312	2,386	15	7.7772	225	116.6578	2,455
08/09	16,400	7,363	2,227	16	7.7086	256	123.3373	2,446
08/10	17,713	7,512	2,358	17	7.7656	289	132.0146	2,436
08/11	18,232	7,648	2,384	18	7.7765	324	139.9770	2,427
08/12	14,530	7,169	2,027	19	7.6142	361	144.6694	2,418
08/13	12,836	7,021	1,828	20	7.5111	400	150.2226	2,408
08/14	15,154	6,899	2,197	21	7.6947	441	161.5877	2,399
08/15	14,660	6,814	2,151	22	7.6739	484	168.8257	2,390
08/16	16,664	6,733	2,475	23	7.8140	529	179.7219	2,381
08/17	15,254	6,883	2,216	24	7.7035	576	184.8850	2,371
08/18	14,901	6,570	2,268	25	7.7267	625	193.1669	2,362
08/19	15,383	6,588	2,335	26	7.7557	676	201.6495	2,353
08/20	16,121	6,451	2,499	27	7.8237	729	211.2388	2,344
08/21	17,743	5,958	2,978	28	7.9990	784	223.9725	2,335
08/22	16,579	5,766	2,875	29	7.9639	841	230.9527	2,326
				435	226.3725	8555	3387.7630	

a=	7.8638	b=	-0.0039
Trend:		-0.38%	
Geometric Mean:		0.69%	
Selected:	Past	1.00%	
	Future	2.00%	

Exhibit 9
State Office of Risk Management

Calculation of Trend on Claim Severity at August 31, 2022

<i>Medical Claims</i>								
<i>Fiscal Year Ending</i>	<i>Ultimate Incurred Claims (000)</i>	<i>No of Claims</i>	<i>Average Claim Severity</i>	<i>x</i>	<i>ln(Size) y</i>	<i>x²</i>	<i>xy</i>	<i>exp(y')</i>
08/94	31,265	10,123	3,089	1	8.0354	1	8.0354	4,008
08/95	31,300	10,352	3,024	2	8.0142	4	16.0284	3,944
08/96	33,327	9,527	3,498	3	8.1600	9	24.4800	3,882
08/97	34,622	8,680	3,989	4	8.2912	16	33.1649	3,821
08/98	34,034	8,353	4,074	5	8.3125	25	41.5625	3,760
08/99	35,539	8,294	4,285	6	8.3629	36	50.1772	3,701
08/00	35,629	8,348	4,268	7	8.3589	49	58.5122	3,643
08/01	37,770	8,156	4,631	8	8.4405	64	67.5242	3,585
08/02	36,757	8,549	4,300	9	8.3663	81	75.2964	3,528
08/03	42,203	7,518	5,614	10	8.6330	100	86.3295	3,473
08/04	23,978	7,209	3,326	11	8.1096	121	89.2053	3,418
08/05	23,891	7,424	3,218	12	8.0765	144	96.9185	3,364
08/06	18,829	6,826	2,758	13	7.9224	169	102.9912	3,311
08/07	19,473	7,000	2,782	14	7.9309	196	111.0325	3,258
08/08	21,786	7,312	2,979	15	7.9995	225	119.9924	3,207
08/09	19,988	7,363	2,715	16	7.9064	256	126.5026	3,156
08/10	22,890	7,512	3,047	17	8.0219	289	136.3731	3,106
08/11	22,026	7,648	2,880	18	7.9655	324	143.3797	3,057
08/12	19,167	7,169	2,674	19	7.8912	361	149.9328	3,009
08/13	19,904	7,021	2,835	20	7.9498	400	158.9955	2,962
08/14	19,575	6,899	2,837	21	7.9507	441	166.9637	2,915
08/15	20,103	6,814	2,950	22	7.9896	484	175.7719	2,869
08/16	22,211	6,733	3,299	23	8.1013	529	186.3306	2,823
08/17	18,832	6,883	2,736	24	7.9142	576	189.9418	2,779
08/18	18,065	6,570	2,750	25	7.9192	625	197.9810	2,735
08/19	17,620	6,588	2,675	26	7.8915	676	205.1800	2,692
08/20	16,694	6,451	2,588	27	7.8586	729	212.1820	2,649
08/21	16,590	5,958	2,785	28	7.9318	784	222.0915	2,607
08/22	14,268	5,766	2,474	29	7.8138	841	226.5993	2,566
				435	234.1195	8555	3479.4761	

a= 8.3119 b= -0.0159
Trend: -1.58%
Geometric Mean: -0.76%
Selected: Past 2.00%
Future 3.00%

Exhibit 9
State Office of Risk Management

Calculation of Trend on Claim Severity at August 31, 2022

Total Claims								
Fiscal Year Ending	Ultimate Incurred Claims (000)	No of Claims	Average Claim Severity	x	ln(Size) y	x²	xy	exp(y')
08/94	55,141	10,123	5,447	1	8.6028	1	8.6028	6,597
08/95	55,770	10,352	5,387	2	8.5918	4	17.1836	6,529
08/96	54,317	9,527	5,701	3	8.6485	9	25.9454	6,461
08/97	57,110	8,680	6,579	4	8.7917	16	35.1668	6,394
08/98	57,260	8,353	6,855	5	8.8327	25	44.1637	6,328
08/99	59,934	8,294	7,226	6	8.8855	36	53.3128	6,263
08/00	64,101	8,348	7,679	7	8.9462	49	62.6234	6,198
08/01	62,556	8,156	7,670	8	8.9451	64	71.5605	6,134
08/02	60,932	8,549	7,127	9	8.8717	81	79.8453	6,070
08/03	64,500	7,518	8,579	10	9.0571	100	90.5712	6,008
08/04	41,623	7,209	5,774	11	8.6611	121	95.2718	5,945
08/05	42,088	7,424	5,669	12	8.6428	144	103.7136	5,884
08/06	33,378	6,826	4,890	13	8.4949	169	110.4340	5,823
08/07	35,667	7,000	5,095	14	8.5361	196	119.5051	5,763
08/08	39,571	7,312	5,412	15	8.5963	225	128.9451	5,703
08/09	36,785	7,363	4,996	16	8.5164	256	136.2622	5,644
08/10	41,046	7,512	5,464	17	8.6059	289	146.3010	5,586
08/11	40,693	7,648	5,321	18	8.5794	324	154.4285	5,528
08/12	34,069	7,169	4,752	19	8.4664	361	160.8609	5,471
08/13	33,121	7,021	4,717	20	8.4590	400	169.1805	5,414
08/14	35,112	6,899	5,089	21	8.5349	441	179.2336	5,358
08/15	35,162	6,814	5,160	22	8.5487	484	188.0723	5,303
08/16	39,314	6,733	5,839	23	8.6723	529	199.4633	5,248
08/17	34,442	6,883	5,004	24	8.5180	576	204.4318	5,194
08/18	33,302	6,570	5,069	25	8.5309	625	213.2715	5,140
08/19	33,294	6,588	5,054	26	8.5279	676	221.7251	5,087
08/20	33,005	6,451	5,116	27	8.5402	729	230.5847	5,034
08/21	34,123	5,958	5,727	28	8.6530	784	242.2839	4,982
08/22	30,030	5,766	5,208	29	8.5580	841	248.1816	4,931
				435	250.8153	8555	3741.1258	

a= 8.8047 b= -0.0104
 Trend: -1.03%
 Geometric Mean: -0.15%
 Selected: Past 1.50%
 Future 2.50%

Exhibit 10

**State Office of Risk Management
Summary of Paid Loss Emergence and Change in Ultimate Incurred Claims**

<i>Fiscal Year Ending</i>	<i>Paid Indemnity Claims</i>			<i>Ultimate Incurred Indemnity Claims</i>			
	<i>as of 8/31/2021</i>	<i>as of 8/31/2022</i>	<i>Emergence</i>	<i>as of 8/31/2021</i>	<i>as of 8/31/2022</i>	<i>Dollar Change</i>	<i>Percent Change</i>
8/31/75	186	186	0	186	186	0	0.00%
8/31/76	2,430	2,487	57	2,430	2,487	57	2.34%
8/31/77	3,668	3,722	55	3,668	3,722	55	1.49%
8/31/78	4,762	4,772	10	4,762	4,772	10	0.21%
8/31/79	5,028	5,028	0	5,028	5,028	0	0.00%
8/31/80	5,360	5,360	0	5,360	5,360	0	0.00%
8/31/81	5,876	5,884	8	5,876	5,884	8	0.13%
8/31/82	7,498	7,498	0	7,498	7,498	0	0.00%
8/31/83	7,791	7,800	10	7,791	7,800	10	0.12%
8/31/84	11,860	11,867	7	11,860	11,867	7	0.06%
8/31/85	13,266	13,266	0	13,266	13,266	0	0.00%
8/31/86	17,293	17,327	34	17,293	17,327	34	0.20%
8/31/87	18,003	18,003	0	18,003	18,003	0	0.00%
8/31/88	22,521	22,542	21	22,521	22,542	21	0.09%
8/31/89	27,713	27,736	23	27,713	27,736	23	0.08%
8/31/90	32,845	32,881	37	32,845	32,881	37	0.11%
8/31/91	24,424	24,424	0	24,424	24,424	0	0.00%
8/31/92	22,384	22,403	19	22,384	22,403	19	0.08%
8/31/93	21,339	21,352	13	21,339	21,352	13	0.06%
8/31/94	23,876	23,876	0	23,876	23,876	0	0.00%
8/31/95	24,436	24,470	34	24,436	24,470	34	0.14%
8/31/96	20,990	20,990	0	20,990	20,990	0	0.00%
8/31/97	22,487	22,487	0	22,487	22,487	0	0.00%
8/31/98	23,200	23,226	26	23,200	23,226	26	0.11%
8/31/99	24,371	24,394	23	24,371	24,394	23	0.09%
8/31/00	28,267	28,472	206	28,313	28,472	159	0.56%
8/31/01	24,528	24,557	28	24,630	24,618	-11	-0.05%
8/31/02	23,896	23,896	0	24,058	24,009	-49	-0.20%
8/31/03	21,908	21,979	71	22,103	22,130	27	0.12%
8/31/04	17,279	17,360	82	17,504	17,519	15	0.09%
8/31/05	17,815	17,841	26	18,094	18,057	-37	-0.21%
8/31/06	14,131	14,215	85	14,401	14,431	30	0.21%
8/31/07	15,615	15,685	70	15,953	15,968	15	0.09%
8/31/08	17,000	17,075	75	17,368	17,443	75	0.43%
8/31/09	15,916	15,987	72	16,357	16,400	43	0.26%
8/31/10	17,065	17,190	126	17,622	17,713	91	0.52%
8/31/11	17,409	17,605	196	18,043	18,232	189	1.05%
8/31/12	13,865	13,938	73	14,554	14,530	-24	-0.16%
8/31/13	12,233	12,233	0	13,017	12,836	-181	-1.39%
8/31/14	14,281	14,341	61	15,207	15,154	-53	-0.35%
8/31/15	13,404	13,723	319	14,419	14,660	241	1.67%
8/31/16	15,103	15,377	274	16,528	16,664	136	0.83%
8/31/17	13,601	13,826	225	15,172	15,254	82	0.54%
8/31/18	12,724	13,297	573	14,694	14,901	207	1.41%
8/31/19	12,565	13,378	814	15,226	15,383	157	1.03%
8/31/20	10,500	13,264	2,763	15,509	16,121	612	3.95%
8/31/21	4,422	11,853	7,432	16,749	17,743	994	5.93%
8/31/22		4,420	4,420	16,477	16,579	101	0.61%
Totals	747,133	765,498	18,364	795,607	798,801	3,194	0.40%

Exhibit 10

**State Office of Risk Management
Summary of Paid Loss Emergence and Change in Ultimate Incurred Claims**

<i>Fiscal Year Ending</i>	<i>Paid Medical Claims</i>			<i>Ultimate Incurred Medical Claims</i>			
	<i>as of 8/31/2021</i>	<i>as of 8/31/2022</i>	<i>Emergence</i>	<i>as of 8/31/2021</i>	<i>as of 8/31/2022</i>	<i>Dollar Change</i>	<i>Percent Change</i>
8/31/75	198	197	0	198	197	0	-0.23%
8/31/76	1,130	1,129	-1	1,130	1,129	-1	-0.10%
8/31/77	2,010	2,009	-1	2,010	2,009	-1	-0.05%
8/31/78	3,105	3,105	0	3,105	3,105	0	0.00%
8/31/79	4,051	4,051	0	4,051	4,051	0	0.00%
8/31/80	4,750	4,750	0	4,750	4,750	0	0.00%
8/31/81	4,318	4,318	0	4,318	4,318	0	0.00%
8/31/82	5,005	5,005	0	5,005	5,005	0	0.00%
8/31/83	6,417	6,417	0	6,417	6,417	0	0.00%
8/31/84	9,956	9,959	3	9,956	9,959	3	0.03%
8/31/85	9,920	9,920	0	9,920	9,920	0	0.00%
8/31/86	12,185	12,187	1	12,185	12,187	1	0.01%
8/31/87	14,959	14,966	6	14,959	14,966	6	0.04%
8/31/88	26,316	26,496	180	26,316	26,496	180	0.68%
8/31/89	23,754	23,756	2	23,754	23,756	2	0.01%
8/31/90	26,836	26,844	8	26,836	26,844	8	0.03%
8/31/91	28,110	28,111	1	28,110	28,111	1	0.00%
8/31/92	31,652	31,688	36	31,652	31,688	36	0.11%
8/31/93	28,891	28,897	6	28,891	28,897	6	0.02%
8/31/94	31,261	31,265	4	31,261	31,265	4	0.01%
8/31/95	31,295	31,300	5	31,295	31,300	5	0.01%
8/31/96	33,302	33,327	25	33,302	33,327	25	0.07%
8/31/97	34,619	34,622	3	34,619	34,622	3	0.01%
8/31/98	33,994	34,034	40	33,994	34,034	40	0.12%
8/31/99	35,511	35,539	28	35,511	35,539	28	0.08%
8/31/00	35,608	35,629	20	35,713	35,629	-84	-0.24%
8/31/01	37,644	37,669	25	37,880	37,770	-109	-0.29%
8/31/02	36,535	36,534	0	36,915	36,757	-158	-0.43%
8/31/03	41,059	41,805	745	41,629	42,203	575	1.38%
8/31/04	23,607	23,623	16	24,240	23,978	-261	-1.08%
8/31/05	23,408	23,411	3	24,198	23,891	-307	-1.27%
8/31/06	18,383	18,387	4	18,930	18,829	-101	-0.54%
8/31/07	18,984	19,004	20	19,558	19,473	-85	-0.43%
8/31/08	21,245	21,246	1	21,882	21,786	-96	-0.44%
8/31/09	19,466	19,467	0	20,195	19,988	-207	-1.03%
8/31/10	22,200	22,271	70	23,064	22,890	-174	-0.76%
8/31/11	21,261	21,389	128	22,127	22,026	-101	-0.46%
8/31/12	18,545	18,548	3	19,450	19,167	-282	-1.45%
8/31/13	19,227	19,231	3	20,181	19,904	-276	-1.37%
8/31/14	18,852	18,874	22	19,799	19,575	-223	-1.13%
8/31/15	19,277	19,346	69	20,342	20,103	-239	-1.17%
8/31/16	21,230	21,277	47	22,459	22,211	-248	-1.10%
8/31/17	17,906	17,956	50	19,188	18,832	-357	-1.86%
8/31/18	17,000	17,096	96	18,553	18,065	-488	-2.63%
8/31/19	16,164	16,502	338	18,044	17,620	-424	-2.35%
8/31/20	14,351	15,240	889	17,392	16,694	-697	-4.01%
8/31/21	8,028	14,048	6,019	17,415	16,590	-824	-4.73%
8/31/22		6,495	6,495	19,302	14,268	-5,035	-26.08%
Totals	933,530	948,940	15,410	981,999	972,142	-9,857	-1.00%

Exhibit 10

**State Office of Risk Management
Summary of Paid Loss Emergence and Change in Ultimate Incurred Claims**

<i>Fiscal Year Ending</i>	<i>Total Paid Claims</i>			<i>Total Ultimate Incurred Claims</i>			
	<i>as of 8/31/2021</i>	<i>as of 8/31/2022</i>	<i>Emergence</i>	<i>as of 8/31/2021</i>	<i>as of 8/31/22</i>		
					<i>Components Separately</i>	<i>Change</i>	<i>% Change</i>
8/31/75	383	383	0	383	383	0	-0.12%
8/31/76	3,560	3,615	56	3,560	3,615	56	1.56%
8/31/77	5,678	5,732	54	5,678	5,732	54	0.95%
8/31/78	7,867	7,877	10	7,867	7,877	10	0.13%
8/31/79	9,079	9,079	0	9,079	9,079	0	0.00%
8/31/80	10,109	10,109	0	10,109	10,109	0	0.00%
8/31/81	10,194	10,201	8	10,194	10,201	8	0.08%
8/31/82	12,503	12,503	0	12,503	12,503	0	0.00%
8/31/83	14,208	14,217	10	14,208	14,217	10	0.07%
8/31/84	21,816	21,826	10	21,816	21,826	10	0.05%
8/31/85	23,186	23,186	0	23,186	23,186	0	0.00%
8/31/86	29,478	29,513	35	29,478	29,513	35	0.12%
8/31/87	32,962	32,968	6	32,962	32,968	6	0.02%
8/31/88	48,837	49,038	201	48,837	49,038	201	0.41%
8/31/89	51,468	51,492	25	51,468	51,492	25	0.05%
8/31/90	59,681	59,725	44	59,681	59,725	44	0.07%
8/31/91	52,534	52,535	1	52,534	52,535	1	0.00%
8/31/92	54,036	54,091	55	54,036	54,091	55	0.10%
8/31/93	50,230	50,249	19	50,230	50,249	19	0.04%
8/31/94	55,138	55,141	4	55,138	55,141	4	0.01%
8/31/95	55,731	55,770	39	55,731	55,770	39	0.07%
8/31/96	54,293	54,317	25	54,293	54,317	25	0.05%
8/31/97	57,106	57,110	3	57,106	57,110	3	0.01%
8/31/98	57,194	57,260	67	57,194	57,260	67	0.12%
8/31/99	59,882	59,934	51	59,882	59,934	51	0.09%
8/31/00	63,875	64,101	226	64,026	64,101	75	0.12%
8/31/01	62,172	62,226	53	62,509	62,389	-120	-0.19%
8/31/02	60,431	60,430	0	60,973	60,766	-206	-0.34%
8/31/03	62,968	63,784	817	63,732	64,333	601	0.94%
8/31/04	40,886	40,984	98	41,743	41,497	-246	-0.59%
8/31/05	41,223	41,251	29	42,292	41,948	-344	-0.81%
8/31/06	32,514	32,602	88	33,331	33,260	-71	-0.21%
8/31/07	34,599	34,689	90	35,511	35,441	-70	-0.20%
8/31/08	38,245	38,321	76	39,250	39,229	-21	-0.05%
8/31/09	35,382	35,454	72	36,552	36,388	-164	-0.45%
8/31/10	39,265	39,461	196	40,687	40,603	-84	-0.21%
8/31/11	38,671	38,995	324	40,170	40,258	88	0.22%
8/31/12	32,410	32,486	76	34,003	33,697	-306	-0.90%
8/31/13	31,460	31,464	3	33,198	32,740	-457	-1.38%
8/31/14	33,133	33,215	82	35,006	34,730	-276	-0.79%
8/31/15	32,682	33,070	388	34,761	34,763	2	0.01%
8/31/16	36,333	36,654	321	38,987	38,875	-112	-0.29%
8/31/17	31,507	31,782	275	34,360	34,086	-274	-0.80%
8/31/18	29,724	30,393	669	33,247	32,966	-280	-0.84%
8/31/19	28,729	29,880	1,152	33,270	33,003	-268	-0.80%
8/31/20	24,852	28,504	3,652	32,901	32,816	-85	-0.26%
8/31/21	12,450	25,901	13,451	34,164	34,333	170	0.50%
8/31/22		10,915	10,915	35,780	30,846	-4,933	-13.79%
Totals	1,680,664	1,714,438	33,774	1,777,606	1,770,943	-6,663	-0.37%

Exhibit 10

**State Office of Risk Management
Summary of Paid Loss Emergence and Change in Ultimate Incurred Claims**

<i>Fiscal Year Ending</i>	<i>Total Paid Claims</i>			<i>Total Ultimate Incurred Claims</i>			
	<i>as of 8/31/2021</i>	<i>as of 8/31/2022</i>	<i>Emergence</i>	<i>as of 8/31/2021</i>	<i>as of 8/31/22</i>		
					<i>Components Combined</i>	<i>Change</i>	<i>% Change</i>
8/31/75	383	383	0	383	383	0	-0.12%
8/31/76	3,560	3,615	56	3,560	3,615	56	1.56%
8/31/77	5,678	5,732	54	5,678	5,732	54	0.95%
8/31/78	7,867	7,877	10	7,867	7,877	10	0.13%
8/31/79	9,079	9,079	0	9,079	9,079	0	0.00%
8/31/80	10,109	10,109	0	10,109	10,109	0	0.00%
8/31/81	10,194	10,201	8	10,194	10,201	8	0.08%
8/31/82	12,503	12,503	0	12,503	12,503	0	0.00%
8/31/83	14,208	14,217	10	14,208	14,217	10	0.07%
8/31/84	21,816	21,826	10	21,816	21,826	10	0.05%
8/31/85	23,186	23,186	0	23,186	23,186	0	0.00%
8/31/86	29,478	29,513	35	29,478	29,513	35	0.12%
8/31/87	32,962	32,968	6	32,962	32,968	6	0.02%
8/31/88	48,837	49,038	201	48,837	49,038	201	0.41%
8/31/89	51,468	51,492	25	51,468	51,492	25	0.05%
8/31/90	59,681	59,725	44	59,681	59,725	44	0.07%
8/31/91	52,534	52,535	1	52,534	52,535	1	0.00%
8/31/92	54,036	54,091	55	54,036	54,091	55	0.10%
8/31/93	50,230	50,249	19	50,230	50,249	19	0.04%
8/31/94	55,138	55,141	4	55,138	55,141	4	0.01%
8/31/95	55,731	55,770	39	55,731	55,770	39	0.07%
8/31/96	54,293	54,317	25	54,293	54,317	25	0.05%
8/31/97	57,106	57,110	3	57,106	57,110	3	0.01%
8/31/98	57,194	57,260	67	57,194	57,260	67	0.12%
8/31/99	59,882	59,934	51	59,882	59,934	51	0.09%
8/31/00	63,875	64,101	226	64,029	64,101	75	0.12%
8/31/01	62,172	62,226	53	62,513	62,556	47	0.08%
8/31/02	60,431	60,430	0	60,984	60,932	-41	-0.07%
8/31/03	62,968	63,784	817	63,728	64,500	768	1.20%
8/31/04	40,886	40,984	98	41,761	41,623	-120	-0.29%
8/31/05	41,223	41,251	29	42,306	42,088	-204	-0.48%
8/31/06	32,514	32,602	88	33,455	33,378	47	0.14%
8/31/07	34,599	34,689	90	35,737	35,667	156	0.44%
8/31/08	38,245	38,321	76	39,470	39,571	321	0.82%
8/31/09	35,382	35,454	72	36,783	36,785	233	0.64%
8/31/10	39,265	39,461	196	40,940	41,046	359	0.88%
8/31/11	38,671	38,995	324	40,415	40,693	522	1.30%
8/31/12	32,410	32,486	76	34,239	34,069	65	0.19%
8/31/13	31,460	31,464	3	33,435	33,121	-77	-0.23%
8/31/14	33,133	33,215	82	35,228	35,112	107	0.30%
8/31/15	32,682	33,070	388	35,002	35,162	401	1.15%
8/31/16	36,333	36,654	321	39,231	39,314	327	0.84%
8/31/17	31,507	31,782	275	34,587	34,442	82	0.24%
8/31/18	29,724	30,393	669	33,478	33,302	55	0.17%
8/31/19	28,729	29,880	1,152	33,433	33,294	24	0.07%
8/31/20	24,852	28,504	3,652	32,953	33,005	104	0.32%
8/31/21	12,450	25,901	13,451	33,587	34,123	-41	-0.12%
8/31/22		10,915	10,915	35,780	30,030	-5,749	-16.07%
Totals	1,680,664	1,714,438	33,774	1,710,860	1,775,790	-1,816	-0.11%

Exhibit 11

State Office of Risk Management
Analysis of Paid Loss Emergence Compared to Projected Payment Amounts in Previous Actuarial Analysis

Fiscal Year Ending	Cumulative Paid Indemnity Claims				Indemnity Claims Paid During Year Ending				Anticipated Indemnity Claim Payments During Year Ending			
	as of 8/31/18	as of 8/31/19	as of 8/31/20	as of 8/31/21	as of 8/31/22	8/31/19	8/31/20	8/31/21	8/31/19	8/31/20	8/31/21	8/31/22
8/31/81	5,855	5,862	5,869	5,876	5,884	7	7	7	0	0	0	0
8/31/82	7,498	7,498	7,498	7,498	7,498	0	0	0	0	0	0	0
8/31/83	7,762	7,772	7,781	7,791	7,800	9	9	10	0	0	0	0
8/31/84	11,838	11,845	11,852	11,860	11,867	7	7	7	0	0	0	0
8/31/85	13,266	13,266	13,266	13,266	13,266	0	0	0	0	0	0	0
8/31/86	17,191	17,225	17,259	17,293	17,327	34	34	34	0	0	0	0
8/31/87	18,003	18,003	18,003	18,003	18,003	0	0	0	0	0	0	0
8/31/88	22,459	22,480	22,501	22,521	22,542	21	21	21	0	0	0	0
8/31/89	27,653	27,673	27,693	27,713	27,736	20	19	21	0	0	0	0
8/31/90	32,736	32,772	32,808	32,845	32,881	36	36	36	0	0	0	0
8/31/91	24,424	24,424	24,424	24,424	24,424	0	0	0	0	0	0	0
8/31/92	22,261	22,321	22,359	22,384	22,403	60	38	25	0	0	0	0
8/31/93	21,302	21,315	21,327	21,339	21,352	12	12	12	0	0	0	0
8/31/94	23,876	23,876	23,876	23,876	23,876	0	0	0	0	0	0	0
8/31/95	24,305	24,349	24,392	24,436	24,470	44	44	44	0	0	0	0
8/31/96	20,990	20,990	20,990	20,990	20,990	0	0	0	0	0	0	0
8/31/97	22,438	22,482	22,487	22,487	22,487	45	5	0	0	0	0	0
8/31/98	23,121	23,147	23,174	23,200	23,226	26	26	26	40	78	0	0
8/31/99	24,302	24,325	24,346	24,371	24,394	23	21	25	35	36	61	47
8/31/00	27,667	27,864	28,054	28,267	28,472	197	190	212	37	37	38	57
8/31/01	24,445	24,473	24,501	24,528	24,557	28	28	28	64	55	54	54
8/31/02	23,896	23,896	23,896	23,896	23,896	0	0	0	66	57	51	50
8/31/03	21,705	21,771	21,839	21,908	21,979	66	68	70	57	60	52	52
8/31/04	17,042	17,119	17,198	17,279	17,360	77	79	80	47	47	50	62
8/31/05	17,685	17,732	17,780	17,815	17,841	47	47	35	54	56	56	49
8/31/06	13,877	13,961	14,041	14,131	14,215	84	80	90	44	44	46	49
8/31/07	15,404	15,474	15,542	15,615	15,685	70	67	73	47	46	44	53
8/31/08	16,761	16,852	16,925	17,000	17,075	92	73	75	62	61	60	67
8/31/09	15,701	15,773	15,841	15,916	15,987	72	69	74	73	73	69	79
8/31/10	16,711	16,826	16,939	17,065	17,190	116	113	126	96	80	79	86
8/31/11	16,788	17,016	17,211	17,409	17,605	228	195	198	194	107	89	99
8/31/12	13,437	13,639	13,786	13,865	13,938	202	147	79	167	173	117	122
8/31/13	12,074	12,170	12,227	12,233	12,233	96	57	6	205	166	163	170
8/31/14	13,784	13,966	14,133	14,281	14,341	183	167	147	272	225	177	158
8/31/15	12,421	12,805	13,086	13,404	13,723	384	281	318	305	245	210	250
8/31/16	13,840	14,629	14,871	15,103	15,377	789	242	232	808	378	295	248
8/31/17	10,338	12,752	13,318	13,601	13,826	2,414	566	282	2,312	752	323	312
8/31/18	4,142	9,785	11,856	12,724	13,297	5,643	2,071	868	6,362	2,382	678	736
8/31/19		4,151	10,127	12,565	13,378	4,151	5,976	2,438	4,417	6,384	2,472	2,379
8/31/20			3,978	10,500	13,264		3,978	6,523		4,299	6,283	6,762
8/31/21				4,422	11,853			4,422			4,419	4,330
8/31/22	678,999	694,282	709,057	725,700	743,943	15,284	14,774	16,643	15,878	15,842	15,886	20,599

Exhibit 11

State Office of Risk Management
Analysis of Paid Loss Emergence and Change in Ultimate Incurred Claims

Fiscal Year Ending	Cumulative Paid Medical Claims					Medical Claims Paid During Year Ending				Anticipated Medical Claim Payments During Year Ending			
	as of 8/31/18	as of 8/31/19	as of 8/31/20	as of 8/31/21	as of 8/31/22	8/31/19	8/31/20	8/31/21	8/31/22	8/31/19	8/31/20	8/31/21	8/31/22
8/31/81	4,318	4,318	4,318	4,318	4,318	0	0	0	0	0	0	0	0
8/31/82	5,005	5,005	5,005	5,005	5,005	0	0	0	0	0	0	0	0
8/31/83	6,417	6,417	6,417	6,417	6,417	0	0	0	0	0	0	0	0
8/31/84	9,940	9,950	9,954	9,956	9,959	10	4	3	3	0	0	0	0
8/31/85	9,920	9,920	9,920	9,920	9,920	0	0	0	0	0	0	0	0
8/31/86	12,170	12,177	12,182	12,185	12,187	7	5	4	1	0	0	0	0
8/31/87	14,870	14,929	14,947	14,959	14,966	59	19	12	6	0	0	0	0
8/31/88	25,628	25,853	26,097	26,316	26,496	225	244	219	180	0	0	0	0
8/31/89	23,728	23,744	23,751	23,754	23,756	15	7	3	2	0	0	0	0
8/31/90	26,811	26,819	26,826	26,836	26,844	8	7	10	8	0	0	0	0
8/31/91	28,106	28,107	28,109	28,110	28,111	1	2	1	1	0	0	0	0
8/31/92	31,514	31,566	31,609	31,652	31,688	52	43	44	36	0	0	0	0
8/31/93	28,827	28,857	28,878	28,891	28,897	30	21	13	6	0	0	0	0
8/31/94	31,233	31,242	31,247	31,261	31,265	8	6	14	4	0	0	0	0
8/31/95	31,235	31,260	31,285	31,295	31,300	25	25	10	5	0	0	0	0
8/31/96	33,197	33,243	33,279	33,302	33,327	47	36	23	25	0	0	0	0
8/31/97	34,574	34,610	34,616	34,619	34,622	36	6	4	3	0	0	0	0
8/31/98	33,157	33,358	33,628	33,994	34,034	201	271	365	40	0	0	0	0
8/31/99	35,352	35,434	35,465	35,511	35,539	81	31	46	28	0	0	0	0
8/31/00	35,507	35,553	35,586	35,608	35,629	46	33	23	20	172	0	0	0
8/31/01	37,512	37,583	37,616	37,644	37,669	70	34	28	25	109	162	0	105
8/31/02	36,504	36,529	36,535	36,535	36,534	26	5	0	0	153	129	151	124
8/31/03	38,473	39,498	40,134	41,059	41,805	1,026	636	925	745	174	150	125	147
8/31/04	23,564	23,588	23,598	23,607	23,623	24	10	9	16	221	173	155	153
8/31/05	23,347	23,396	23,400	23,408	23,411	49	5	8	3	182	216	162	195
8/31/06	18,341	18,368	18,379	18,383	18,387	26	12	4	4	172	155	180	119
8/31/07	18,884	18,923	18,955	18,984	19,004	39	31	30	20	172	82	110	23
8/31/08	21,127	21,214	21,240	21,245	21,246	87	26	5	1	144	83	44	21
8/31/09	19,447	19,461	19,462	19,466	19,467	13	2	4	0	121	103	40	98
8/31/10	21,925	22,029	22,100	22,200	22,271	103	72	100	70	111	122	100	108
8/31/11	21,190	21,218	21,241	21,261	21,389	28	22	21	128	107	103	126	37
8/31/12	18,262	18,488	18,513	18,545	18,548	226	26	32	3	115	101	90	53
8/31/13	19,045	19,179	19,216	19,227	19,231	134	37	12	3	97	48	51	38
8/31/14	18,725	18,795	18,830	18,852	18,874	70	35	22	22	145	83	46	51
8/31/15	18,759	18,973	19,164	19,277	19,346	214	191	113	69	103	99	48	64
8/31/16	20,285	20,984	21,168	21,230	21,277	699	183	62	47	144	108	82	85
8/31/17	16,538	17,478	17,799	17,906	17,956	940	321	107	50	218	144	100	116
8/31/18	10,334	15,693	16,653	17,000	17,096	5,359	960	347	96	331	179	112	137
8/31/19		9,830	15,281	16,164	16,502	9,830	5,451	883	338	748	330	218	218
8/31/20			7,712	14,351	15,240		7,712	6,639	889	590	234	234	470
8/31/21				8,028	14,048			8,028	6,019			515	1,229
8/31/22	863,771	883,586	900,114	918,287	933,699	19,815	16,528	18,173	15,412	3,738	3,161	2,691	9,605

Exhibit 11

State Office of Risk Management
Analysis of Paid Loss Emergence and Change in Ultimate Incurred Claims

Fiscal Year Ending	Cumulative Total Paid Claims					Total Claims Paid During Year Ending								Anticipated Total Claim Payments During Year Ending			
	as of 8/31/18	as of 8/31/19	as of 8/31/20	as of 8/31/21	as of 8/31/22	8/31/19	8/31/20	8/31/21	8/31/22	8/31/19	8/31/20	8/31/21	8/31/22				
8/31/81	10,173	10,180	10,187	10,194	10,201	7	7	7	8	0	0	0	0				
8/31/82	12,503	12,503	12,503	12,503	12,503	0	0	0	0	0	0	0	0				
8/31/83	14,179	14,189	14,197	14,208	14,217	9	9	10	10	0	0	0	0				
8/31/84	21,778	21,795	21,806	21,816	21,826	17	11	10	10	0	0	0	0				
8/31/85	23,186	23,186	23,186	23,186	23,186	0	0	0	0	0	0	0	0				
8/31/86	29,362	29,402	29,441	29,478	29,513	41	38	37	35	0	0	0	0				
8/31/87	32,873	32,931	32,950	32,962	32,968	59	19	12	6	0	0	0	0				
8/31/88	48,087	48,334	48,598	48,837	49,038	246	264	239	201	0	0	0	0				
8/31/89	51,382	51,417	51,444	51,468	51,492	35	27	24	25	0	0	0	0				
8/31/90	59,547	59,591	59,634	59,681	59,725	44	43	46	44	0	0	0	0				
8/31/91	52,530	52,531	52,533	52,534	52,535	1	2	1	1	0	0	0	0				
8/31/92	53,775	53,887	53,968	54,036	54,091	112	81	68	55	0	0	0	0				
8/31/93	50,129	50,171	50,205	50,230	50,249	42	34	25	19	0	0	0	0				
8/31/94	55,110	55,118	55,124	55,138	55,141	8	6	14	4	0	0	0	0				
8/31/95	55,540	55,609	55,677	55,731	55,770	69	68	54	39	0	0	0	0				
8/31/96	54,187	54,234	54,269	54,293	54,317	47	36	23	25	0	0	0	0				
8/31/97	57,012	57,092	57,103	57,106	57,110	80	11	4	3	0	0	0	0				
8/31/98	56,277	56,505	56,802	57,194	57,260	228	297	391	67	0	0	0	0				
8/31/99	59,655	59,759	59,811	59,882	59,934	104	52	71	51	0	0	0	0				
8/31/00	63,174	63,417	63,640	63,875	64,101	243	223	235	226	0	0	0	0				
8/31/01	61,958	62,056	62,117	62,172	62,226	98	61	55	53	0	0	0	0				
8/31/02	60,399	60,425	60,430	60,431	60,430	26	5	0	0	0	0	0	0				
8/31/03	60,177	61,269	61,973	62,968	63,784	1,092	703	995	817	285	0	0	151				
8/31/04	40,606	40,707	40,796	40,886	40,984	101	89	90	98	150	240	0	181				
8/31/05	41,031	41,128	41,180	41,223	41,251	96	52	43	29	188	165	212	201				
8/31/06	32,218	32,329	32,420	32,514	32,602	111	91	93	88	211	188	163	203				
8/31/07	34,288	34,398	34,496	34,599	34,689	109	99	103	90	285	229	209	247				
8/31/08	37,887	38,066	38,165	38,245	38,321	178	99	80	76	248	273	213	182				
8/31/09	35,148	35,233	35,304	35,382	35,454	85	71	78	72	229	216	232	72				
8/31/10	38,636	38,855	39,039	39,265	39,461	219	184	226	196	219	129	160	70				
8/31/11	37,978	38,234	38,452	38,671	38,995	256	218	219	324	198	139	101	151				
8/31/12	31,699	32,127	32,300	32,410	32,486	428	173	110	76	165	147	86	175				
8/31/13	31,120	31,349	31,443	31,460	31,464	229	94	17	3	158	168	144	116				
8/31/14	32,509	32,762	32,963	33,133	33,215	253	201	170	82	169	164	186	139				
8/31/15	31,180	31,778	32,250	32,682	33,070	598	472	431	388	188	174	159	137				
8/31/16	34,125	35,613	36,039	36,333	36,654	1,488	426	294	321	193	128	130	173				
8/31/17	26,876	30,230	31,118	31,507	31,782	3,354	887	389	275	339	190	135	234				
8/31/18	14,475	25,477	28,509	29,724	30,393	11,002	3,031	1,215	669	270	272	164	243				
8/31/19		13,981	25,407	28,729	29,880	13,981	11,427	3,321	1,152	349	274	245	366				
8/31/20			11,690	24,852	28,504		11,690	13,162	3,652		369	276	385				
8/31/21				12,450	25,901			12,450	13,451			322	530				
8/31/22					10,915				10,915				13,935				

Exhibit 12

State Office of Risk Management

Workers Compensation Program @ 8/31/22

<i>Claim Size</i>		<i>Claim Data</i>		
<i>Minimum</i>	<i>Maximum</i>	<i>Number</i>	<i>Amount</i>	<i>Average</i>
Less Than \$	25,000	328,740	\$ 545,905,759	\$ 1,661
\$25,000	\$49,999	9,099	319,371,341	35,100
50,000	99,999	5,036	346,786,077	68,861
100,000	199,999	1,819	242,858,743	133,512
200,000	499,999	602	175,355,218	291,288
500,000	999,999	72	46,588,263	647,059
1,000,000	1,999,999	8	12,305,651	1,538,206
2,000,000	4,999,999	0	0	0
5,000,000	or more	3	25,267,766	8,422,589
Totals		345,379	\$ 1,714,438,818	\$ 4,964

Exhibit 13A

State Office of Risk Management

Workers Compensation Program

Determination of Value of Unpaid Claims as of 8/31/2122 Discounted @ 2.00%

Undiscounted Indemnity Claim Payments

Fiscal Year Ending	Liability For Unpaid Claims	Fiscal Year During Which Claims Are Paid																							
		22 / 23	23 / 24	24 / 25	25 / 26	26 / 27	27 / 28	28 / 29	29 / 30	30 / 31	31 / 32	32 / 33	33 / 34	34 / 35	35 / 36	36 / 37	37 / 38	38 / 39	39 / 40	40 / 41	41 / 42	42 / 43	43 / 44		
8/31/00	0																								
8/31/01	62	62																							
8/31/02	113	53	60																						
8/31/03	150	46	49	55																					
8/31/04	159	40	36	39	44																				
8/31/05	216	53	41	38	40	45																			
8/31/06	216	43	42	33	30	32	36																		
8/31/07	283	44	48	46	36	33	35	40																	
8/31/08	368	60	48	52	51	39	36	38	44																
8/31/09	413	66	56	45	49	48	37	34	36	41															
8/31/10	523	78	72	61	49	53	51	40	37	39	44														
8/31/11	627	90	80	73	63	50	54	53	41	38	40	45													
8/31/12	592	89	72	64	59	50	40	44	42	33	30	32	36												
8/31/13	604	78	79	64	57	52	45	36	39	38	29	27	29	32											
8/31/14	813	104	91	93	75	67	61	52	42	45	44	34	32	34	38										
8/31/15	937	158	100	87	89	72	64	59	50	40	44	42	33	30	32	36									
8/31/16	1,287	219	180	114	100	102	82	73	67	57	46	50	48	38	35	37	42								
8/31/17	1,428	248	200	165	104	91	94	76	67	62	52	42	46	44	34	32	34	38							
8/31/18	1,604	214	241	195	161	101	89	91	74	65	60	51	41	44	43	33	31	33	37						
8/31/19	2,004	346	222	249	202	166	105	92	94	76	67	62	53	42	46	44	35	32	34	38					
8/31/20	2,858	783	358	229	258	209	172	108	95	97	79	70	64	55	44	47	46	36	33	35	40				
8/31/21	5,890	2,761	857	392	251	283	228	188	119	104	107	86	76	70	60	48	52	50	39	36	38	43			
8/31/22	12,159	6,582	2,614	812	371	238	268	216	178	112	99	101	82	72	66	57	45	49	48	37	34	36	41		
Total Undiscounted Payments	33,303	12,215	5,547	2,907	2,087	1,731	1,498	1,240	1,024	847	741	642	539	461	398	335	284	238	191	147	112	80	41		
Discount Factor:		0.99015	0.9707	0.9517	0.9330	0.9147	0.8968	0.8792	0.8620	0.8451	0.8285	0.8123	0.7963	0.7807	0.7654	0.7504	0.7357	0.7213	0.7071	0.6933	0.6797	0.6663	0.6533		
Payout Pattern:																									
Marginal Percent	25.98%	40.07%	15.92%	4.94%	2.26%	1.45%	1.63%	1.32%	1.08%	0.68%	0.60%	0.61%	0.50%	0.44%	0.40%	0.34%	0.28%	0.30%	0.29%	0.23%	0.21%	0.22%	0.25%		
Cumulative Percent	25.98%	66.05%	81.97%	86.91%	89.17%	90.61%	92.24%	93.56%	94.65%	95.33%	95.93%	96.54%	97.04%	97.48%	97.88%	98.23%	98.50%	98.80%	99.09%	99.32%	99.53%	99.75%	100%		

Exhibit 13A

State Office of Risk Management

Workers Compensation Program
Determination of Value of Unpaid Claims as of 8/31/2122 Discounted @ 2.00%

Fiscal Year Ending	Discounted Unpaid Claims	Discounted Indemnity Claim Payments																							
		Fiscal Year During Which Claims Are Paid																							
		22 / 23	23 / 24	24 / 25	25 / 26	26 / 27	27 / 28	28 / 29	29 / 30	30 / 31	31 / 32	32 / 33	33 / 34	34 / 35	35 / 36	36 / 37	37 / 38	38 / 39	39 / 40	40 / 41	41 / 42	42 / 43	43 / 44		
8/31/00	0																								
8/31/01	61																								
8/31/02	111	53	58																						
8/31/03	146	46	47	53																					
8/31/04	152	39	35	37	41																				
8/31/05	206	52	40	36	37	41																			
8/31/06	204	43	41	31	28	29	32																		
8/31/07	265	44	46	44	34	30	32	35																	
8/31/08	343	59	47	50	47	36	32	34	38																
8/31/09	382	66	55	43	46	44	33	30	31	35															
8/31/10	480	77	69	58	45	48	46	35	32	33	37														
8/31/11	573	89	77	70	58	46	49	46	35	32	33	37													
8/31/12	539	88	70	61	55	46	36	38	36	28	25	26	29												
8/31/13	546	77	77	61	53	48	40	31	33	32	24	22	23	25											
8/31/14	732	103	88	89	70	61	55	46	36	38	37	28	25	26	29										
8/31/15	844	156	97	83	83	66	57	52	43	34	36	34	26	24	25	27									
8/31/16	1,160	216	175	108	93	93	74	64	58	48	38	40	38	29	26	27	31								
8/31/17	1,288	245	194	157	97	83	84	66	58	52	43	34	36	35	26	24	25	27							
8/31/18	1,441	212	234	185	150	93	80	80	63	55	50	41	32	35	33	25	23	24	26						
8/31/19	1,803	342	215	237	188	152	94	81	81	64	56	50	42	33	35	33	25	23	24	27					
8/31/20	2,605	775	347	218	241	191	154	95	82	82	65	56	51	43	33	36	34	26	23	24	27				
8/31/21	5,530	2,734	832	373	234	259	205	165	102	88	88	70	61	55	46	36	38	36	28	25	26	29			
8/31/22	11,651	6,517	2,538	773	346	218	240	190	154	95	82	82	65	56	51	42	33	35	34	26	23	24	27		
Total Discounted Payments	31,062	12,095	5,384	2,766	1,947	1,584	1,343	1,090	883	716	614	522	429	360	305	251	209	172	135	102	76	53	27		

Exhibit 13A

State Office of Risk Management

Workers Compensation Program

Determination of Value of Unpaid Claims as of 8/31/2122 Discounted @ 2.00%

Undiscounted Medical Claim Payments

Fiscal Year Ending	Liability For Unpaid Claims	Fiscal Year During Which Claims Are Paid																							
		22 / 23	23 / 24	24 / 25	25 / 26	26 / 27	27 / 28	28 / 29	29 / 30	30 / 31	31 / 32	32 / 33	33 / 34	34 / 35	35 / 36	36 / 37	37 / 38	38 / 39	39 / 40	40 / 41	41 / 42	42 / 43	43 / 44		
8/31/00	0																								
8/31/01	101																								
8/31/02	223	124	99																						
8/31/03	399	145	141	112																					
8/31/04	355	125	84	81	65																				
8/31/05	480	127	125	83	81	64																			
8/31/06	442	65	99	98	65	64	51																		
8/31/07	469	12	67	103	102	68	66	52																	
8/31/08	539	14	14	75	115	114	76	74	58																
8/31/09	521	25	13	13	69	106	105	70	68	54															
8/31/10	619	23	28	15	15	79	121	120	80	77	62														
8/31/11	637	42	22	27	14	14	76	116	115	76	74	59													
8/31/12	619	62	37	20	24	13	12	66	102	100	67	65	52												
8/31/13	673	31	65	38	20	25	13	13	69	106	104	69	68	54											
8/31/14	701	40	30	63	37	20	24	13	13	67	104	102	68	66	53										
8/31/15	756	36	41	31	65	38	20	25	13	13	69	106	105	70	68	54									
8/31/16	934	99	40	45	34	72	42	23	28	15	14	76	118	116	77	75	60								
8/31/17	875	80	84	34	39	29	61	36	19	23	12	12	65	100	99	66	64	51							
8/31/18	970	127	77	81	33	37	28	59	35	19	23	12	12	63	96	95	63	62	49						
8/31/19	1,118	173	123	75	79	32	36	27	57	34	18	22	12	11	61	94	93	62	60	48					
8/31/20	1,454	386	166	118	72	75	30	35	26	55	32	17	21	11	11	58	90	89	59	57	46				
8/31/21	2,543	1,094	385	165	117	72	75	30	35	26	55	32	17	21	11	11	58	89	88	59	57	45			
8/31/22	7,773	5,420	1,012	356	153	109	66	70	28	32	24	51	30	16	19	10	10	54	83	82	54	53	42		
Total Undiscounted																									
Payments		23,202	8,352	2,752	1,634	1,198	1,029	903	827	744	697	658	625	567	528	496	464	438	406	339	246	157	98	42	
Discount Factor:		0.9901	0.9707	0.9517	0.9330	0.9147	0.8968	0.8792	0.8620	0.8451	0.8285	0.8123	0.7963	0.7807	0.7654	0.7504	0.7357	0.7213	0.7071	0.6933	0.6797	0.6663	0.6533		
Payout Pattern:																									
Marginal Percent		50.51%	34.51%	6.44%	2.27%	0.97%	0.69%	0.42%	0.44%	0.18%	0.20%	0.15%	0.32%	0.19%	0.10%	0.12%	0.07%	0.06%	0.34%	0.53%	0.52%	0.35%	0.34%	0.27%	
Cumulative Percent		50.51%	85.02%	91.46%	93.73%	94.70%	95.39%	95.82%	96.26%	96.44%	96.64%	96.79%	97.12%	97.31%	97.41%	97.53%	97.60%	97.66%	98.00%	98.53%	99.05%	99.40%	99.73%	100%	

Exhibit 13A

State Office of Risk Management

Workers Compensation Program
Determination of Value of Unpaid Claims as of 8/31/2122 Discounted @ 2.00%

Fiscal Year Ending	Discounted Unpaid Claims	Discounted Medical Claim Payments																								
		Fiscal Year During Which Claims Are Paid																								
		22 / 23	23 / 24	24 / 25	25 / 26	26 / 27	27 / 28	28 / 29	29 / 30	30 / 31	31 / 32	32 / 33	33 / 34	34 / 35	35 / 36	36 / 37	37 / 38	38 / 39	39 / 40	40 / 41	41 / 42	42 / 43	43 / 44			
8/31/00	0																									
8/31/01	100	100																								
8/31/02	219	123	96																							
8/31/03	388	144	137	107																						
8/31/04	343	124	81	77	60																					
8/31/05	461	125	121	79	76	59																				
8/31/06	419	64	97	94	61	58	45																			
8/31/07	436	12	65	98	95	62	59	46																		
8/31/08	493	14	14	71	107	104	68	65	50																	
8/31/09	469	25	13	12	64	97	94	61	58	45																
8/31/10	549	23	28	14	14	72	109	105	69	65	51															
8/31/11	559	42	22	26	14	13	68	102	99	65	62	48														
8/31/12	541	62	36	19	22	12	11	58	88	85	55	53	41													
8/31/13	581	30	63	36	19	23	12	11	59	89	86	56	54	42												
8/31/14	599	40	29	60	35	18	22	11	11	57	86	83	54	52	40											
8/31/15	639	36	40	29	61	35	18	22	11	11	57	86	84	55	52	41										
8/31/16	789	98	39	43	32	66	38	20	24	12	12	62	94	91	59	56	44									
8/31/17	738	80	82	32	36	26	55	32	17	20	10	10	52	78	76	49	47	37								
8/31/18	822	125	75	77	30	34	25	52	30	16	19	10	9	49	74	71	47	44	35							
8/31/19	957	172	120	72	74	29	33	24	50	29	15	18	9	9	47	70	68	45	42	33						
8/31/20	1,279	382	161	112	67	69	27	30	22	46	27	14	17	9	8	44	66	64	42	40	31					
8/31/21	2,332	1,083	374	157	110	66	67	27	30	22	45	26	14	16	9	8	43	64	62	41	39	30				
8/31/22	7,482	5,366	983	339	143	99	60	61	24	27	20	41	24	12	15	8	7	39	58	57	37	35	27			
Total Discounted Payments	21,194	8,269	2,672	1,555	1,118	941	810	727	641	589	545	508	451	413	380	348	322	293	240	170	107	66	27			

Exhibit 13B

State Office of Risk Management

Workers Compensation Program
Determination of Value of Unpaid Claims as of 8/31/22 Discounted @ 2.00%
Undiscounted Indemnity and Medical Payments Combined

Fiscal Year Ending	Liability For Unpaid Claims	Fiscal Year During Which Claims Are Paid																					
		22 / 23	23 / 24	24 / 25	25 / 26	26 / 27	27 / 28	28 / 29	29 / 30	30 / 31	31 / 32	32 / 33	33 / 34	34 / 35	35 / 36	36 / 37	37 / 38	38 / 39	39 / 40	40 / 41	41 / 42	42 / 43	43 / 44
8/31/00	0																						
8/31/01	331	331																					
8/31/02	502	180	322																				
8/31/03	716	188	189	339																			
8/31/04	639	173	122	123	220																		
8/31/05	837	190	176	124	124	223																	
8/31/06	776	113	151	139	98	98	177																
8/31/07	978	149	121	161	149	105	105	189															
8/31/08	1,250	167	165	134	178	164	116	116	209														
8/31/09	1,331	168	156	153	125	166	153	108	108	194													
8/31/10	1,585	101	187	173	171	139	185	171	120	121	217												
8/31/11	1,698	131	100	185	172	169	138	183	169	119	119	214											
8/31/12	1,583	153	110	84	156	144	142	116	154	142	100	101	181										
8/31/13	1,658	116	149	107	82	152	141	139	113	150	138	97	98	176									
8/31/14	1,897	145	122	157	113	87	161	149	146	119	159	146	103	104	186								
8/31/15	2,092	199	145	122	157	113	87	160	148	146	119	158	146	103	103	185							
8/31/16	2,660	318	223	162	136	175	126	97	179	166	164	133	177	163	115	116	208						
8/31/17	2,660	322	280	196	142	120	154	111	85	158	146	144	117	156	144	101	102	182					
8/31/18	2,909	335	312	271	190	138	116	149	107	82	153	141	139	113	150	139	98	176					
8/31/19	3,414	507	335	312	271	190	138	116	149	107	82	152	141	139	113	150	139	98	176				
8/31/20	4,501	1,126	501	331	308	267	188	136	115	147	106	81	151	139	137	112	149	137	97	97	174		
8/31/21	8,222	3,597	1,157	515	341	317	275	193	140	118	151	109	84	155	143	141	115	153	141	99	100	179	
8/31/22	19,116	11,535	3,316	1,067	475	314	292	253	178	129	109	140	101	77	143	132	130	106	141	130	92	92	165
Total Undiscounted Payments	61,352	20,244	8,339	4,856	3,607	3,082	2,692	2,385	2,121	1,899	1,763	1,618	1,437	1,325	1,235	1,077	940	775	653	503	366	271	165
Discount Factor:		0.9901	0.9707	0.9517	0.9330	0.9147	0.8968	0.8792	0.8620	0.8451	0.8285	0.8123	0.7963	0.7807	0.7654	0.7504	0.7357	0.7213	0.7071	0.6933	0.6797	0.6663	0.6533
Payout Pattern:																							
Marginal Percent	38.83%	36.91%	10.61%	3.41%	1.52%	1.00%	0.93%	0.81%	0.57%	0.41%	0.35%	0.45%	0.32%	0.25%	0.46%	0.42%	0.42%	0.34%	0.45%	0.42%	0.29%	0.29%	0.53%
Cumulative Percent	38.83%	75.74%	86.35%	89.77%	91.29%	92.29%	93.23%	94.04%	94.61%	95.02%	95.37%	95.81%	96.13%	96.38%	96.84%	97.26%	97.68%	98.02%	98.47%	98.88%	99.18%	99.47%	100%

Exhibit 13B

State Office of Risk Management

Workers Compensation Program
Determination of Value of Unpaid Claims as of 8/31/22 Discounted @ 2.00%
Discounted Indemnity and Medical Payments Combined

Fiscal Year Ending	Discounted Unpaid Claims	Fiscal Year During Which Claims Are Paid																							
		22 / 23	23 / 24	24 / 25	25 / 26	26 / 27	27 / 28	28 / 29	29 / 30	30 / 31	31 / 32	32 / 33	33 / 34	34 / 35	35 / 36	36 / 37	37 / 38	38 / 39	39 / 40	40 / 41	41 / 42	42 / 43	43 / 44		
8/31/00	0																								
8/31/01	327	327																							
8/31/02	491	178	313																						
8/31/03	692	186	183	323																					
8/31/04	613	172	119	117	206																				
8/31/05	796	188	170	118	116	204																			
8/31/06	731	112	146	132	91	90	158																		
8/31/07	913	147	118	153	139	96	94	166																	
8/31/08	1,156	165	160	128	166	150	104	102	180																
8/31/09	1,221	166	151	146	117	152	137	95	93	164															
8/31/10	1,434	100	182	165	159	127	166	150	104	102	180														
8/31/11	1,520	129	97	176	160	155	123	161	145	100	99	174													
8/31/12	1,406	151	107	80	146	132	128	102	133	120	83	82	144												
8/31/13	1,458	114	144	102	77	139	126	122	97	127	115	79	78	137											
8/31/14	1,654	144	119	150	106	79	144	131	126	101	131	119	82	81	142										
8/31/15	1,815	197	141	116	146	103	78	141	128	123	99	128	116	80	79	139									
8/31/16	2,308	315	217	154	127	161	113	85	155	140	136	108	141	128	88	87	153								
8/31/17	2,307	319	272	187	133	110	138	98	73	133	121	117	93	121	110	76	75	132							
8/31/18	2,521	332	303	258	177	126	104	131	93	70	126	115	111	88	115	104	72	71	125						
8/31/19	2,971	502	325	297	252	173	123	102	128	91	68	124	112	108	87	113	102	70	69	122					
8/31/20	3,995	1,115	487	315	288	245	168	120	99	125	88	66	120	109	105	84	109	99	68	67	118				
8/31/21	7,586	3,561	1,123	490	318	290	246	169	121	100	125	89	67	121	110	106	85	110	100	69	68	119			
8/31/22	18,279	11,421	3,219	1,015	443	287	262	223	153	109	90	113	80	60	109	99	96	77	100	90	62	61	108		
Total Discounted Payments	56,195	20,045	8,095	4,621	3,366	2,819	2,414	2,097	1,828	1,605	1,461	1,314	1,144	1,034	945	808	691	559	462	349	249	181	108		

Exhibit 14A

State Office of Risk Management

Workers Compensation Program

Determination of Value of Unpaid Claims as of 8/31/22 Discounted @ 3.00%

Fiscal Year Ending	Liability For Unpaid Claims	Undiscounted Indemnity Claim Payments																							
		Fiscal Year During Which Claims Are Paid																							
		22 / 23	23 / 24	24 / 25	25 / 26	26 / 27	27 / 28	28 / 29	29 / 30	30 / 31	31 / 32	32 / 33	33 / 34	34 / 35	35 / 36	36 / 37	37 / 38	38 / 39	39 / 40	40 / 41	41 / 42	42 / 43	43 / 44		
8/31/00	0																								
8/31/01	62																								
8/31/02	113	60																							
8/31/03	150	46	55																						
8/31/04	159	40	36	39	44																				
8/31/05	216	53	41	38	40	45																			
8/31/06	216	43	42	33	30	32	36																		
8/31/07	283	44	48	46	36	33	35	40																	
8/31/08	368	60	48	52	51	39	36	38	44																
8/31/09	413	66	56	45	49	48	37	34	36	41															
8/31/10	523	78	72	61	49	53	51	40	37	39	44														
8/31/11	627	90	80	73	63	50	54	53	41	38	40	45													
8/31/12	592	89	72	64	59	50	40	44	42	33	30	32	36												
8/31/13	604	78	79	64	57	52	45	36	39	38	29	27	29	32											
8/31/14	813	104	91	93	75	67	61	52	42	45	44	34	32	34	38										
8/31/15	937	158	100	87	89	72	64	59	50	40	44	42	33	30	32	36									
8/31/16	1,287	219	180	114	100	102	82	73	67	57	46	50	48	38	35	37	42								
8/31/17	1,428	248	200	165	104	91	94	76	67	62	52	42	46	44	34	32	34	38							
8/31/18	1,604	214	241	195	161	101	89	91	74	65	60	51	41	44	43	33	31	33	37						
8/31/19	2,004	346	222	249	202	166	105	92	94	76	67	62	53	42	46	44	35	32	34	38					
8/31/20	2,858	783	358	229	258	209	172	108	95	97	79	70	64	55	44	47	46	36	33	35	40				
8/31/21	5,890	2,761	857	392	251	283	228	188	119	104	107	86	76	70	60	48	52	50	39	36	38	43			
8/31/22	12,159	6,582	2,614	812	371	238	268	216	178	112	99	101	82	72	66	57	45	49	48	37	34	36	41		
Total Undiscounted Payments		33,303	12,215	5,547	2,907	2,087	1,498	1,240	1,024	847	741	642	539	461	398	335	284	238	191	147	112	80	41		
Discount Factor:		0.98533 0.9566 0.9288 0.9017 0.8755 0.8500 0.8252 0.8012 0.7778 0.7552 0.7332 0.7118 0.6911 0.6710 0.6514 0.6324 0.6140 0.5961 0.5788 0.5619 0.5456 0.5297																							
Payout Pattern:																									
Marginal Percent		25.98%	40.07%	15.92%	4.94%	2.26%	1.45%	1.63%	1.32%	1.08%	0.68%	0.60%	0.61%	0.50%	0.44%	0.40%	0.34%	0.28%	0.30%	0.29%	0.23%	0.21%	0.22%	0.25%	
Cumulative Percent		25.98%	66.05%	81.97%	86.91%	89.17%	90.61%	92.24%	93.56%	94.65%	95.33%	96.54%	97.04%	97.48%	97.88%	98.23%	98.50%	98.80%	99.09%	99.32%	99.53%	99.75%	100%		

Exhibit 14A

State Office of Risk Management

Workers Compensation Program
Determination of Value of Unpaid Claims as of 8/31/22 Discounted @ 3.00%

Fiscal Year Ending	Discounted Unpaid Claims	Discounted Indemnity Claim Payments																							
		Fiscal Year During Which Claims Are Paid																							
		22 / 23	23 / 24	24 / 25	25 / 26	26 / 27	27 / 28	28 / 29	29 / 30	30 / 31	31 / 32	32 / 33	33 / 34	34 / 35	35 / 36	36 / 37	37 / 38	38 / 39	39 / 40	40 / 41	41 / 42	42 / 43	43 / 44		
8/31/00	0																								
8/31/01	61																								
8/31/02	110	52	58																						
8/31/03	144	45	47	51																					
8/31/04	149	39	35	36	40																				
8/31/05	201	52	39	35	36	40																			
8/31/06	198	43	40	30	27	28	31																		
8/31/07	257	43	46	43	33	29	30	33																	
8/31/08	331	59	46	48	46	34	31	32	35																
8/31/09	368	65	54	42	44	42	31	28	29	32															
8/31/10	461	76	68	57	44	46	44	33	29	30	33														
8/31/11	549	89	76	68	56	44	46	43	33	29	30	33													
8/31/12	515	88	69	59	53	44	34	36	34	26	23	24	26												
8/31/13	521	76	76	60	51	46	38	29	31	29	22	20	20	22											
8/31/14	696	102	87	87	68	58	52	43	34	35	33	25	22	23	26										
8/31/15	803	155	95	81	81	63	54	49	40	31	33	31	23	21	22	24									
8/31/16	1,105	215	172	106	90	89	70	60	54	44	35	36	34	26	23	24	26								
8/31/17	1,228	244	192	153	94	80	79	62	53	48	40	31	32	31	23	21	21	23							
8/31/18	1,371	211	231	181	145	89	75	75	59	51	45	37	29	31	29	22	19	20	22						
8/31/19	1,717	341	212	232	182	145	89	76	75	59	51	45	38	29	31	29	22	20	20	22					
8/31/20	2,497	772	342	213	233	183	146	90	76	76	59	51	46	38	29	31	29	22	20	20	22				
8/31/21	5,375	2,721	820	364	227	247	194	155	95	81	81	63	54	49	40	31	33	31	23	21	22	24			
8/31/22	11,427	6,485	2,501	754	334	208	227	178	143	87	74	74	58	50	45	37	29	30	28	21	19	20	22		
Total Discounted Payments	30,085	12,036	5,306	2,700	1,882	1,516	1,273	1,023	820	659	559	471	383	319	267	218	180	146	114	85	63	43	22		

Exhibit 14A

State Office of Risk Management

Workers Compensation Program
Determination of Value of Unpaid Claims as of 8/31/22 Discounted @ 3.00%
Undiscounted Medical Claim Payments

Fiscal Year Ending	Liability For Unpaid Claims	Fiscal Year During Which Claims Are Paid																							
		22 / 23	23 / 24	24 / 25	25 / 26	26 / 27	27 / 28	28 / 29	29 / 30	30 / 31	31 / 32	32 / 33	33 / 34	34 / 35	35 / 36	36 / 37	37 / 38	38 / 39	39 / 40	40 / 41	41 / 42	42 / 43	43 / 44		
8/31/00	0																								
8/31/01	101																								
8/31/02	223	124	99																						
8/31/03	399	145	141	112																					
8/31/04	355	125	84	81	65																				
8/31/05	480	127	125	83	81	64																			
8/31/06	442	65	99	98	65	64	51																		
8/31/07	469	12	67	103	102	68	66	52																	
8/31/08	539	14	14	75	115	114	76	74	58																
8/31/09	521	25	13	13	69	106	105	70	68	54															
8/31/10	619	23	28	15	15	79	121	120	80	77	62														
8/31/11	637	42	22	27	14	14	76	116	115	76	74	59													
8/31/12	619	62	37	20	24	13	12	66	102	100	67	65	52												
8/31/13	673	31	65	38	20	25	13	13	69	106	104	69	68	54											
8/31/14	701	40	30	63	37	20	24	13	13	67	104	102	68	66	53										
8/31/15	756	36	41	31	65	38	20	25	13	13	69	106	105	70	68	54									
8/31/16	934	99	40	45	34	72	42	23	28	15	14	76	118	116	77	75	60								
8/31/17	875	80	84	34	39	29	61	36	19	23	12	12	65	100	99	66	64	51							
8/31/18	970	127	77	81	33	37	28	59	35	19	23	12	12	63	96	95	63	62	49						
8/31/19	1,118	173	123	75	79	32	36	27	57	34	18	22	12	11	61	94	93	62	60	48					
8/31/20	1,454	386	166	118	72	75	30	35	26	55	32	17	21	11	11	58	90	89	59	57	46				
8/31/21	2,543	1,094	385	165	117	72	75	30	35	26	55	32	17	21	11	11	58	89	88	59	57	45			
8/31/22	7,773	5,420	1,012	356	153	109	66	70	28	32	24	51	30	16	19	10	10	54	83	82	54	53	42		
Total Undiscounted Payments	23,202	8,352	2,752	1,634	1,198	1,029	903	827	744	697	658	625	567	528	496	464	438	406	339	246	157	98	42		
Discount Factor:		0.9853	0.9566	0.9288	0.9017	0.8755	0.8500	0.8252	0.8012	0.7778	0.7552	0.7332	0.7118	0.6911	0.6710	0.6514	0.6324	0.6140	0.5961	0.5788	0.5619	0.5456	0.5297		
Payout Pattern:																									
Marginal Percent	50.51%	34.51%	6.44%	2.27%	0.97%	0.69%	0.42%	0.44%	0.18%	0.20%	0.15%	0.32%	0.19%	0.10%	0.12%	0.07%	0.06%	0.34%	0.53%	0.52%	0.35%	0.34%	0.27%		
Cumulative Percent	50.51%	85.02%	91.46%	93.73%	94.70%	95.39%	95.82%	96.26%	96.44%	96.64%	96.79%	97.12%	97.31%	97.41%	97.53%	97.60%	97.66%	98.00%	98.53%	99.05%	99.40%	99.73%	100%		

Exhibit 14A

State Office of Risk Management

Workers Compensation Program
Determination of Value of Unpaid Claims as of 8/31/22 Discounted @ 3.00%

Fiscal Year Ending	Discounted Unpaid Claims	Discounted Medical Claim Payments																							
		Fiscal Year During Which Claims Are Paid																							
		22 / 23	23 / 24	24 / 25	25 / 26	26 / 27	27 / 28	28 / 29	29 / 30	30 / 31	31 / 32	32 / 33	33 / 34	34 / 35	35 / 36	36 / 37	37 / 38	38 / 39	39 / 40	40 / 41	41 / 42	42 / 43	43 / 44		
8/31/00	0																								
8/31/01	100																								
8/31/02	217	122	94																						
8/31/03	382	143	135	104																					
8/31/04	337	124	80	75	58																				
8/31/05	451	125	120	77	73	56																			
8/31/06	408	64	95	91	59	56	43																		
8/31/07	421	12	64	95	92	59	56	43																	
8/31/08	472	14	13	69	104	99	64	61	47																
8/31/09	446	24	13	12	62	93	89	57	54	42															
8/31/10	518	23	27	14	13	69	103	99	64	60	46														
8/31/11	525	41	21	25	13	12	64	96	92	59	56	43													
8/31/12	507	61	35	18	22	11	10	54	81	78	51	48	37												
8/31/13	541	30	62	35	18	22	11	11	55	82	79	51	48	37											
8/31/14	555	39	29	59	34	17	21	11	10	52	78	75	49	46	35										
8/31/15	589	35	39	29	59	34	17	21	11	10	52	78	75	48	46	35									
8/31/16	729	97	38	42	31	63	36	19	22	11	11	56	84	80	52	49	38								
8/31/17	682	79	80	31	35	25	52	30	15	18	9	9	46	69	66	43	40	31							
8/31/18	762	125	74	75	29	33	24	49	28	14	17	9	8	43	65	62	40	38	29						
8/31/19	891	171	118	70	71	28	31	22	46	26	14	16	8	8	41	61	59	38	36	28					
8/31/20	1,207	381	159	109	65	66	26	29	21	43	24	13	15	8	7	38	57	54	35	33	26				
8/31/21	2,246	1,078	368	153	106	63	64	25	28	20	41	24	12	14	7	7	37	55	53	34	32	25			
8/31/22	7,358	5,340	968	331	138	95	56	57	22	25	18	37	21	11	13	7	6	33	49	47	31	29	22		
Total Discounted Payments	20,344	8,229	2,633	1,518	1,081	901	767	683	596	542	497	458	403	365	333	302	277	249	202	142	88	54	22		

Exhibit 14B

State Office of Risk Management

Workers Compensation Program
Determination of Value of Unpaid Claims as of 8/31/22 Discounted @ 3.00%
Undiscounted Indemnity and Medical Payments Combined

Fiscal Year Ending	Liability For Unpaid Claims	Fiscal Year During Which Claims Are Paid																						
		22 / 23	23 / 24	24 / 25	25 / 26	26 / 27	27 / 28	28 / 29	29 / 30	30 / 31	31 / 32	32 / 33	33 / 34	34 / 35	35 / 36	36 / 37	37 / 38	38 / 39	39 / 40	40 / 41	41 / 42	42 / 43	43 / 44	
8/31/00	0																							
8/31/01	331	331																						
8/31/02	502	180	322																					
8/31/03	716	188	189	339																				
8/31/04	639	173	122	123	220																			
8/31/05	837	190	176	124	124	223																		
8/31/06	776	113	151	139	98	98	177																	
8/31/07	978	149	121	161	149	105	105	189																
8/31/08	1,250	167	165	134	178	164	116	116	209															
8/31/09	1,331	168	156	153	125	166	153	108	108	194														
8/31/10	1,585	101	187	173	171	139	185	171	120	121	217													
8/31/11	1,698	131	100	185	172	169	138	183	169	119	119	214												
8/31/12	1,583	153	110	84	156	144	142	116	154	142	100	101	181											
8/31/13	1,658	116	149	107	82	152	141	139	113	150	138	97	98	176										
8/31/14	1,897	145	122	157	113	87	161	149	146	119	159	146	103	104	186									
8/31/15	2,092	199	145	122	157	113	87	160	148	146	119	158	146	103	103	185								
8/31/16	2,660	318	223	162	136	175	126	97	179	166	164	133	177	163	115	116	208							
8/31/17	2,660	322	280	196	142	120	154	111	85	158	146	144	117	156	144	101	102	182						
8/31/18	2,909	335	312	271	190	138	116	149	107	82	153	141	139	113	150	139	98	98	176					
8/31/19	3,414	507	335	312	271	190	138	116	149	107	82	152	141	139	113	150	139	98	98	176				
8/31/20	4,501	1,126	501	331	308	267	188	136	115	147	106	81	151	139	137	112	149	137	97	97	174			
8/31/21	8,222	3,597	1,157	515	341	317	275	193	140	118	151	109	84	155	143	141	115	153	141	99	100	179		
8/31/22	19,116	11,535	3,316	1,067	475	314	292	253	178	129	109	140	101	77	143	132	130	106	141	130	92	92	165	
Total Undiscounted																								
Payments		61,352	20,244	8,339	4,856	3,607	3,082	2,692	2,385	2,121	1,899	1,763	1,618	1,437	1,325	1,235	1,077	940	775	653	503	366	271	165
Discount Factor:		0.9853	0.9566	0.9288	0.9017	0.8755	0.8500	0.8252	0.8012	0.7778	0.7552	0.7332	0.7118	0.6911	0.6710	0.6514	0.6324	0.6140	0.5961	0.5788	0.5619	0.5456	0.5297	
Payout Pattern:																								
Marginal Percent		38.83%	36.91%	10.61%	3.41%	1.52%	1.00%	0.93%	0.81%	0.57%	0.41%	0.35%	0.45%	0.32%	0.25%	0.46%	0.42%	0.34%	0.45%	0.42%	0.29%	0.29%	0.53%	
Cumulative Percent		38.83%	75.74%	86.35%	89.77%	91.29%	92.29%	93.23%	94.04%	94.61%	95.02%	95.37%	95.81%	96.13%	96.38%	96.84%	97.26%	97.68%	98.02%	98.47%	98.88%	99.18%	100%	

Exhibit 14B

State Office of Risk Management

Workers Compensation Program
Determination of Value of Unpaid Claims as of 8/31/22 Discounted @ 3.00%
Discounted Indemnity and Medical Payments Combined

Fiscal Year Ending	Discounted Unpaid Claims	Fiscal Year During Which Claims Are Paid																							
		22 / 23	23 / 24	24 / 25	25 / 26	26 / 27	27 / 28	28 / 29	29 / 30	30 / 31	31 / 32	32 / 33	33 / 34	34 / 35	35 / 36	36 / 37	37 / 38	38 / 39	39 / 40	40 / 41	41 / 42	42 / 43	43 / 44		
8/31/00	0																								
8/31/01	326																								
8/31/02	485	177	308																						
8/31/03	681	185	181	315																					
8/31/04	601	171	117	114	199																				
8/31/05	778	187	168	115	112	195																			
8/31/06	710	112	144	129	88	86	150																		
8/31/07	883	147	116	149	134	92	89	156																	
8/31/08	1,113	165	157	125	161	144	98	96	167																
8/31/09	1,172	166	149	142	113	145	130	89	87	151															
8/31/10	1,367	100	179	161	154	122	157	141	96	94	164														
8/31/11	1,442	129	96	172	155	148	117	151	135	92	90	157													
8/31/12	1,329	150	105	78	141	126	121	96	123	111	76	74	128												
8/31/13	1,371	114	142	99	74	133	120	114	90	117	105	71	70	122											
8/31/14	1,550	143	117	146	102	76	137	123	117	93	120	107	73	72	125										
8/31/15	1,698	197	139	113	141	99	74	132	119	114	90	116	104	71	69	121									
8/31/16	2,159	314	214	151	123	154	107	80	144	129	124	98	126	113	77	75	131								
8/31/17	2,160	318	268	182	128	105	131	92	68	123	110	105	83	108	96	66	64	112							
8/31/18	2,359	331	298	251	171	121	99	123	86	64	115	104	99	78	101	90	62	60	105						
8/31/19	2,788	500	321	289	244	166	117	96	119	83	62	112	100	96	76	98	88	60	59	102					
8/31/20	3,786	1,109	480	308	278	234	159	112	92	115	80	60	107	96	92	73	94	84	58	56	98				
8/31/21	7,321	3,544	1,107	478	307	277	234	159	112	92	114	80	59	107	96	92	73	94	84	57	56	98			
8/31/22	17,919	11,365	3,173	991	428	275	248	209	142	100	82	102	72	53	96	86	82	65	84	75	51	50	87		
Total Discounted Payments	53,995	19,947	7,977	4,510	3,253	2,698	2,288	1,968	1,699	1,477	1,331	1,186	1,023	916	829	701	594	476	389	291	206	148	87		

Exhibit 15A

State Office of Risk Management

Workers Compensation Program
Determination of Value of Unpaid Claims as of 8/31/22 Discounted @ 4.00%
Undiscounted Indemnity Claim Payments

Fiscal Year Ending	Liability For Unpaid Claims	Fiscal Year During Which Claims Are Paid																					
		22 / 23	23 / 24	24 / 25	25 / 26	26 / 27	27 / 28	28 / 29	29 / 30	30 / 31	31 / 32	32 / 33	33 / 34	34 / 35	35 / 36	36 / 37	37 / 38	38 / 39	39 / 40	40 / 41	41 / 42	42 / 43	43 / 44
8/31/00	0																						
8/31/01	62	62																					
8/31/02	113	53	60																				
8/31/03	150	46	49	55																			
8/31/04	159	40	36	39	44																		
8/31/05	216	53	41	38	40	45																	
8/31/06	216	43	42	33	30	32	36																
8/31/07	283	44	48	46	36	33	35	40															
8/31/08	368	60	48	52	51	39	36	38	44														
8/31/09	413	66	56	45	49	48	37	34	36	41													
8/31/10	523	78	72	61	49	53	51	40	37	39	44												
8/31/11	627	90	80	73	63	50	54	53	41	38	40	45											
8/31/12	592	89	72	64	59	50	40	44	42	33	30	32	36										
8/31/13	604	78	79	64	57	52	45	36	39	38	29	27	29	32									
8/31/14	813	104	91	93	75	67	61	52	42	45	44	34	32	34	38								
8/31/15	937	158	100	87	89	72	64	59	50	40	44	42	33	30	32	36							
8/31/16	1,287	219	180	114	100	102	82	73	67	57	46	50	48	38	35	37	42						
8/31/17	1,428	248	200	165	104	91	94	76	67	62	52	42	46	44	34	32	34	38					
8/31/18	1,604	214	241	195	161	101	89	91	74	65	60	51	41	44	43	33	31	33	37				
8/31/19	2,004	346	222	249	202	166	105	92	94	76	67	62	53	42	46	44	35	32	34	38			
8/31/20	2,858	783	358	229	258	209	172	108	95	97	79	70	64	55	44	47	46	36	33	35	40		
8/31/21	5,890	2,761	857	392	251	283	228	188	119	104	107	86	76	70	60	48	52	50	39	36	38	43	
8/31/22	12,159	6,582	2,614	812	371	238	268	216	178	112	99	101	82	72	66	57	45	49	48	37	34	36	41
Total Undiscounted																							
Payments		33,303	12,215	5,547	2,907	2,087	1,731	1,498	1,240	847	741	642	539	461	398	335	284	238	191	147	112	80	41
Discount Factor:		0.98058	0.9429	0.9066	0.8717	0.8382	0.8060	0.7750	0.7452	0.7165	0.6889	0.6624	0.6370	0.6125	0.5889	0.5663	0.5445	0.5235	0.5034	0.4840	0.4654	0.4475	0.4303
Payout Pattern:																							
Marginal Percent		25.98%	40.07%	15.92%	4.94%	2.26%	1.45%	1.63%	1.32%	1.08%	0.68%	0.61%	0.50%	0.44%	0.40%	0.34%	0.28%	0.30%	0.29%	0.23%	0.21%	0.22%	0.25%
Cumulative Percent		25.98%	66.05%	81.97%	86.91%	89.17%	90.61%	92.24%	93.56%	94.65%	95.33%	96.54%	97.04%	97.48%	97.88%	98.23%	98.50%	98.80%	99.09%	99.32%	99.53%	99.75%	100%

Exhibit 15A

State Office of Risk Management

Workers Compensation Program
Determination of Value of Unpaid Claims as of 8/31/22 Discounted @ 4.00%

Fiscal Year Ending	Discounted Unpaid Claims	Discounted Indemnity Claim Payments																							
		Fiscal Year During Which Claims Are Paid																							
		22 / 23	23 / 24	24 / 25	25 / 26	26 / 27	27 / 28	28 / 29	29 / 30	30 / 31	31 / 32	32 / 33	33 / 34	34 / 35	35 / 36	36 / 37	37 / 38	38 / 39	39 / 40	40 / 41	41 / 42	42 / 43	43 / 44		
8/31/00	0																								
8/31/01	61	61																							
8/31/02	109	52	57																						
8/31/03	141	45	46	50																					
8/31/04	146	39	34	35	38																				
8/31/05	197	51	39	34	35	38																			
8/31/06	193	42	39	30	26	27	29																		
8/31/07	249	43	45	42	31	28	28	31																	
8/31/08	320	59	45	47	44	33	29	30	33																
8/31/09	354	65	53	41	43	40	30	26	27	29															
8/31/10	444	76	67	55	42	44	41	31	27	28	31														
8/31/11	526	88	75	67	54	42	44	41	31	27	28	30													
8/31/12	493	88	68	58	51	42	32	34	31	24	21	23													
8/31/13	498	76	75	58	49	44	36	28	29	27	20	18	20												
8/31/14	664	102	86	85	66	56	50	41	31	33	30	23	20	21	22										
8/31/15	766	155	94	79	78	61	51	46	37	29	30	28	21	19	19	21									
8/31/16	1,055	214	170	103	87	86	66	56	50	41	32	33	31	23	20	21	23								
8/31/17	1,173	243	189	150	91	77	75	59	50	44	36	28	29	27	20	18	18	20							
8/31/18	1,308	210	227	177	140	85	72	71	55	47	41	34	26	27	25	19	17	17	19						
8/31/19	1,639	339	209	226	176	139	84	71	70	54	46	41	34	26	27	25	19	17	17	19					
8/31/20	2,400	768	337	208	225	175	139	84	71	70	54	46	41	33	26	27	25	19	17	17	18				
8/31/21	5,234	2,708	808	355	219	237	184	146	88	75	73	57	48	43	35	27	28	26	20	17	18	19			
8/31/22	11,219	6,454	2,465	736	323	199	216	168	133	81	68	67	52	44	39	32	25	26	24	18	16	16	18		
Total Discounted Payments	29,189	11,978	5,230	2,635	1,820	1,451	1,207	961	763	607	510	425	343	283	234	189	155	125	96	71	52	36	18		

Exhibit 15A

State Office of Risk Management

Workers Compensation Program
Determination of Value of Unpaid Claims as of 8/31/22 Discounted @ 4.00%
Undiscounted Medical Claim Payments

Fiscal Year Ending	Liability For Unpaid Claims	Fiscal Year During Which Claims Are Paid																							
		22 / 23	23 / 24	24 / 25	25 / 26	26 / 27	27 / 28	28 / 29	29 / 30	30 / 31	31 / 32	32 / 33	33 / 34	34 / 35	35 / 36	36 / 37	37 / 38	38 / 39	39 / 40	40 / 41	41 / 42	42 / 43	43 / 44		
8/31/00	0																								
8/31/01	101																								
8/31/02	223	124	99																						
8/31/03	399	145	141	112																					
8/31/04	355	125	84	81	65																				
8/31/05	480	127	125	83	81	64																			
8/31/06	442	65	99	98	65	64	51																		
8/31/07	469	12	67	103	102	68	66	52																	
8/31/08	539	14	14	75	115	114	76	74	58																
8/31/09	521	25	13	13	69	106	105	70	68	54															
8/31/10	619	23	28	15	15	79	121	120	80	77	62														
8/31/11	637	42	22	27	14	14	76	116	115	76	74	59													
8/31/12	619	62	37	20	24	13	12	66	102	100	67	65	52												
8/31/13	673	31	65	38	20	25	13	13	69	106	104	69	68	54											
8/31/14	701	40	30	63	37	20	24	13	13	67	104	102	68	66	53										
8/31/15	756	36	41	31	65	38	20	25	13	13	69	106	105	70	68	54									
8/31/16	934	99	40	45	34	72	42	23	28	15	14	76	118	116	77	75	60								
8/31/17	875	80	84	34	39	29	61	36	19	23	12	12	65	100	99	66	64	51							
8/31/18	970	127	77	81	33	37	28	59	35	19	23	12	12	63	96	95	63	62	49						
8/31/19	1,118	173	123	75	79	32	36	27	57	34	18	22	12	11	61	94	93	62	60	48					
8/31/20	1,454	386	166	118	72	75	30	35	26	55	32	17	21	11	11	58	90	89	59	57	46				
8/31/21	2,543	1,094	385	165	117	72	75	30	35	26	55	32	17	21	11	11	58	89	88	59	57	45			
8/31/22	7,773	5,420	1,012	356	153	109	66	70	28	32	24	51	30	16	19	10	10	54	83	82	54	53	42		
Total Undiscounted Payments		23,202	8,352	2,752	1,634	1,198	1,029	903	827	744	697	658	625	567	496	464	438	406	339	246	157	98	42		
Discount Factor:		0.9806	0.9429	0.9066	0.8717	0.8382	0.8060	0.7750	0.7452	0.7165	0.6889	0.6624	0.6370	0.6125	0.5889	0.5663	0.5445	0.5235	0.5034	0.4840	0.4654	0.4475	0.4303		
Payout Pattern:																									
Marginal Percent		50.51%	34.51%	6.44%	2.27%	0.97%	0.69%	0.42%	0.44%	0.18%	0.20%	0.15%	0.32%	0.19%	0.10%	0.07%	0.06%	0.34%	0.53%	0.52%	0.35%	0.34%	0.27%		
Cumulative Percent		50.51%	85.02%	91.46%	93.73%	94.70%	95.39%	95.82%	96.26%	96.44%	96.64%	96.79%	97.12%	97.31%	97.41%	97.53%	97.60%	98.00%	98.53%	99.05%	99.40%	99.73%	100%		

Exhibit 15A

State Office of Risk Management

Workers Compensation Program
Determination of Value of Unpaid Claims as of 8/31/22 Discounted @ 4.00%

Fiscal Year Ending	Discounted Unpaid Claims	Discounted Medical Claim Payments																							
		Fiscal Year During Which Claims Are Paid																							
		22 / 23	23 / 24	24 / 25	25 / 26	26 / 27	27 / 28	28 / 29	29 / 30	30 / 31	31 / 32	32 / 33	33 / 34	34 / 35	35 / 36	36 / 37	37 / 38	38 / 39	39 / 40	40 / 41	41 / 42	42 / 43	43 / 44		
8/31/00	0																								
8/31/01	99																								
8/31/02	215	99																							
8/31/03	377	142	93																						
8/31/04	332	123	79	102																					
8/31/05	442	124	118	74	56																				
8/31/06	397	63	94	89	57	53	41																		
8/31/07	407	12	63	93	89	57	53	41																	
8/31/08	452	14	13	68	100	95	61	57	44																
8/31/09	424	24	12	12	60	89	84	54	50	39															
8/31/10	489	23	27	14	13	66	98	93	59	55	42														
8/31/11	493	41	21	25	13	12	61	90	86	55	51	39													
8/31/12	476	61	35	18	21	11	10	51	76	72	46	43	33												
8/31/13	505	30	61	35	18	21	11	10	51	76	72	46	43	33											
8/31/14	516	39	28	58	33	17	20	10	9	48	71	68	43	41	31										
8/31/15	545	35	39	28	57	32	17	19	10	9	48	71	67	43	40	31									
8/31/16	676	97	37	41	30	60	34	18	21	11	10	51	75	71	46	43	33								
8/31/17	632	79	79	31	34	24	49	28	14	17	9	8	41	61	58	37	35	27							
8/31/18	709	124	73	73	28	31	22	46	26	13	16	8	7	38	57	54	35	32	25						
8/31/19	834	170	116	68	69	27	29	21	43	24	12	15	7	7	36	53	51	32	30	23					
8/31/20	1,145	379	156	107	63	63	24	27	19	39	22	11	13	7	6	33	49	46	30	28	21				
8/31/21	2,169	1,072	363	150	102	60	61	23	26	19	38	21	11	13	7	6	32	47	44	28	27	20			
8/31/22	7,245	5,314	954	323	133	91	54	54	21	23	16	34	19	10	11	6	5	28	42	40	25	24	18		
Total Discounted Payments	19,579	8,190	2,595	1,482	1,045	863	728	641	555	500	454	414	361	324	292	263	238	213	171	119	73	44	18		

Exhibit 15B

State Office of Risk Management

Workers Compensation Program
Determination of Value of Unpaid Claims as of 8/31/22 Discounted @ 4.00%
Undiscounted Indemnity and Medical Payments Combined

Fiscal Year Ending	Liability For Unpaid Claims	Fiscal Year During Which Claims Are Paid																						
		22 / 23	23 / 24	24 / 25	25 / 26	26 / 27	27 / 28	28 / 29	29 / 30	30 / 31	31 / 32	32 / 33	33 / 34	34 / 35	35 / 36	36 / 37	37 / 38	38 / 39	39 / 40	40 / 41	41 / 42	42 / 43	43 / 44	
8/31/00	0																							
8/31/01	331	331																						
8/31/02	502	180	322																					
8/31/03	716	188	189	339																				
8/31/04	639	173	122	123	220																			
8/31/05	837	190	176	124	124	223																		
8/31/06	776	113	151	139	98	98	177																	
8/31/07	978	149	121	161	149	105	105	189																
8/31/08	1,250	167	165	134	178	164	116	116	209															
8/31/09	1,331	168	156	153	125	166	153	108	108	194														
8/31/10	1,585	101	187	173	171	139	185	171	120	121	217													
8/31/11	1,698	131	100	185	172	169	138	183	169	119	119	214												
8/31/12	1,583	153	110	84	156	144	142	116	154	142	100	101	181											
8/31/13	1,658	116	149	107	82	152	141	139	113	150	138	97	98	176										
8/31/14	1,897	145	122	157	113	87	161	149	146	119	159	146	103	104	186									
8/31/15	2,092	199	145	122	157	113	87	160	148	146	119	158	146	103	103	185								
8/31/16	2,660	318	223	162	136	175	126	97	179	166	164	133	177	163	115	116	208							
8/31/17	2,660	322	280	196	142	120	154	111	85	158	146	144	117	156	144	101	102	182						
8/31/18	2,909	335	312	271	190	138	116	149	107	82	153	141	139	113	150	139	98	98	176					
8/31/19	3,414	507	335	312	271	190	138	116	149	107	82	152	141	139	113	150	139	98	98	176				
8/31/20	4,501	1,126	501	331	308	267	188	136	115	147	106	81	151	139	137	112	149	137	97	97	174			
8/31/21	8,222	3,597	1,157	515	341	317	275	193	140	118	151	109	84	155	143	141	115	153	141	99	100	179		
8/31/22	19,116	11,535	3,316	1,067	475	314	292	253	178	129	109	140	101	77	143	132	130	106	141	130	92	92	165	
Total Undiscounted																								
Payments		61,352	20,244	8,339	4,856	3,607	3,082	2,692	2,385	2,121	1,899	1,763	1,618	1,437	1,325	1,235	1,077	940	775	653	503	366	271	165
Discount Factor:		0.9806	0.9429	0.9066	0.8717	0.8382	0.8060	0.7750	0.7452	0.7165	0.6889	0.6624	0.6370	0.6125	0.5889	0.5663	0.5445	0.5235	0.5034	0.4840	0.4654	0.4475	0.4303	
Payout Pattern:																								
Marginal Percent		38.83%	36.91%	10.61%	3.41%	1.52%	1.00%	0.93%	0.81%	0.57%	0.41%	0.35%	0.45%	0.32%	0.25%	0.46%	0.42%	0.42%	0.34%	0.45%	0.42%	0.29%	0.29%	0.53%
Cumulative Percent		38.83%	75.74%	86.35%	89.77%	91.29%	92.29%	93.23%	94.04%	94.61%	95.02%	95.37%	95.81%	96.13%	96.38%	96.84%	97.26%	97.68%	98.02%	98.47%	98.88%	99.18%	99.47%	100%

Exhibit 15B

State Office of Risk Management

Workers Compensation Program
Determination of Value of Unpaid Claims as of 8/31/22 Discounted @ 4.00%
Discounted Indemnity and Medical Payments Combined

Fiscal Year Ending	Discounted Unpaid Claims	Fiscal Year During Which Claims Are Paid																							
		22 / 23	23 / 24	24 / 25	25 / 26	26 / 27	27 / 28	28 / 29	29 / 30	30 / 31	31 / 32	32 / 33	33 / 34	34 / 35	35 / 36	36 / 37	37 / 38	38 / 39	39 / 40	40 / 41	41 / 42	42 / 43	43 / 44		
8/31/00	0																								
8/31/01	324	324																							
8/31/02	480	176	304																						
8/31/03	670	184	178	307																					
8/31/04	589	170	115	111	192																				
8/31/05	759	187	166	112	108	187																			
8/31/06	690	111	142	126	85	83	142																		
8/31/07	854	146	114	146	129	88	85	146																	
8/31/08	1,073	164	155	122	155	138	93	90	156																
8/31/09	1,125	165	147	139	109	139	123	84	81	139															
8/31/10	1,305	99	177	157	149	117	149	132	89	87	149														
8/31/11	1,369	128	94	168	150	142	111	142	126	85	82	142													
8/31/12	1,258	150	104	76	136	121	115	90	115	102	69	67	115												
8/31/13	1,292	113	140	97	72	127	113	107	84	107	95	65	62	108											
8/31/14	1,456	142	115	142	99	73	130	115	109	86	109	97	66	63	109										
8/31/15	1,592	196	137	111	137	95	70	124	111	105	82	105	93	63	61	105									
8/31/16	2,026	312	211	147	119	147	102	75	134	119	113	88	113	100	68	66	113								
8/31/17	2,028	316	264	178	124	101	124	86	63	113	101	95	75	95	85	57	55	96							
8/31/18	2,215	329	294	245	165	116	94	116	80	59	105	94	89	69	89	79	53	51	89						
8/31/19	2,626	497	316	283	236	159	111	90	111	77	57	101	90	85	67	85	76	51	49	85					
8/31/20	3,600	1,104	473	300	269	224	151	105	85	106	73	54	96	85	81	63	81	72	49	47	81				
8/31/21	7,084	3,527	1,091	467	297	265	222	149	104	84	104	72	53	95	84	80	63	80	71	48	46	80			
8/31/22	17,591	11,311	3,127	967	414	263	235	196	132	92	75	92	64	47	84	75	71	56	71	63	43	41	71		
Total Discounted Payments	52,005	19,851	7,862	4,402	3,145	2,583	2,170	1,848	1,581	1,361	1,214	1,072	915	811	727	610	512	406	329	243	170	121	71		

Exhibit 16
State Office of Risk Management

Calculation of Average Severity and Trend at August 31, 2022

<i>Fiscal Year Ending</i>	<i>Ultimate Incurred Claims</i>	<i># of Claims</i>	<i>Full Time Equivalent</i>	<i>Frequency per FTE</i>	<i>Annual Avg Size</i>	<i>Annual Period Ending</i>	<i>Avg Size</i>	<i>x</i>	<i>ln(Size) y</i>	<i>x²</i>	<i>xy</i>	<i>exp(y')</i>
<i>Indemnity Claims</i>												
8/75	186	274			678							
8/76	2,487	4,347			572							
8/77	3,722	5,261			708							
8/78	4,772	6,409			745							
8/79	5,028	6,491			775							
8/80	5,360	6,480			827	8/94	2,359	1	7.7658	1	7.7658	2,591
8/81	5,884	6,330			930	8/95	2,364	2	7.7680	4	15.5361	2,581
8/82	7,498	6,269			1,196	8/96	2,203	3	7.6977	9	23.0931	2,571
8/83	7,800	6,205			1,257	8/97	2,591	4	7.8597	16	31.4387	2,561
8/84	11,867	6,642			1,787	8/98	2,781	5	7.9304	25	39.6521	2,552
8/85	13,266	7,185			1,846	8/99	2,941	6	7.9866	36	47.9194	2,542
8/86	17,327	7,137			2,428	8/00	3,411	7	8.1347	49	56.9427	2,532
8/87	18,003	6,826			2,637	8/01	3,018	8	8.0125	64	64.0999	2,522
8/88	22,542	7,419			3,038	8/02	2,808	9	7.9404	81	71.4634	2,513
8/89	27,736	8,015			3,461	8/03	2,944	10	7.9874	100	79.8738	2,503
8/90	32,881	7,998	137,020	0.0584	4,111	8/04	2,430	11	7.7957	121	85.7528	2,493
8/91	24,424	8,659	143,831	0.0602	2,821	8/05	2,432	12	7.7966	144	93.5588	2,484
8/92	22,403	9,182	150,508	0.0610	2,440	8/06	2,114	13	7.6564	169	99.5330	2,474
8/93	21,352	9,192	158,687	0.0579	2,323	8/07	2,281	14	7.7324	196	108.2539	2,465
8/94	23,876	10,123	164,529	0.0615	2,359	8/08	2,386	15	7.7772	225	116.6578	2,455
8/95	24,470	10,352	174,288	0.0594	2,364	8/09	2,227	16	7.7086	256	123.3373	2,446
8/96	20,990	9,527	175,336	0.0543	2,203	8/10	2,358	17	7.7656	289	132.0146	2,436
8/97	22,487	8,680	180,397	0.0481	2,591	8/11	2,384	18	7.7765	324	139.9770	2,427
8/98	23,226	8,353	180,055	0.0464	2,781	8/12	2,027	19	7.6142	361	144.6694	2,418
8/99	24,394	8,294	179,328	0.0463	2,941	8/13	1,828	20	7.5111	400	150.2226	2,408
8/00	28,472	8,348	178,757	0.0467	3,411	8/14	2,197	21	7.6947	441	161.5877	2,399
8/01	24,618	8,156	177,522	0.0459	3,018	8/15	2,151	22	7.6739	484	168.8257	2,390
8/02	24,009	8,549	174,016	0.0491	2,808	8/16	2,475	23	7.8140	529	179.7219	2,381
8/03	22,130	7,518	178,167	0.0422	2,944	8/17	2,216	24	7.7035	576	184.8850	2,371
8/04	17,519	7,209	174,122	0.0414	2,430	8/18	2,268	25	7.7267	625	193.1669	2,362
8/05	18,057	7,424	164,495	0.0451	2,432	8/19	2,335	26	7.7557	676	201.6495	2,353
8/06	14,431	6,826	165,728	0.0412	2,114	8/20	2,499	27	7.8237	729	211.2388	2,344
8/07	15,968	7,000	169,818	0.0412	2,281	8/21	2,978	28	7.9990	784	223.9725	2,335
8/08	17,443	7,312	170,953	0.0428	2,386	8/22	2,875	29	7.9639	841	230.9527	2,326
8/09	16,400	7,363	178,436	0.0413	2,227			435	226.3725	8555	3387.7630	
8/10	17,713	7,512	183,750	0.0409	2,358							
8/11	18,232	7,648	183,115	0.0418	2,384	8/20		27				2,344
8/12	14,530	7,169	182,834	0.0392	2,027	8/21		28				2,335
8/13	12,836	7,021	179,251	0.0392	1,828	8/22		29				2,326
8/14	15,154	6,899	182,372	0.0378	2,197							
8/15	14,660	6,814	181,175	0.0376	2,151	a=	7.8638		b=	-0.0039		
8/16	16,664	6,733	183,413	0.0367	2,475				Trend:	-0.38%		
8/17	15,254	6,883	183,593	0.0375	2,216				Geo Mean	0.71%		
8/18	14,901	6,570	179,997	0.0365	2,268							
8/19	15,383	6,588	181,653	0.0363	2,335							
8/20	16,121	6,451	180,794	0.0357	2,499							
8/21	17,743	5,958	175,017	0.0340	2,978							
8/22	16,579	5,766	162,960	0.0354	2,875							
798,801												

Exhibit 16
State Office of Risk Management

Calculation of Average Severity and Trend at August 31, 2022

<i>Fiscal Year Ending</i>	<i>Ultimate Incurred Claims</i>	<i># of Claims</i>	<i>Full Time Equivalent</i>	<i>Frequency per FTE</i>	<i>Annual Avg Size</i>	<i>Annual Period Ending</i>	<i>Avg Size</i>	<i>x</i>	<i>ln(Size) y</i>	<i>x²</i>	<i>xy</i>	<i>exp(y')</i>
Medical Claims												
8/75	197	274			720							
8/76	1,129	4,347			260							
8/77	2,009	5,261			382							
8/78	3,105	6,409			484							
8/79	4,051	6,491			624							
8/80	4,750	6,480			733	8/94	3,089	1	8.0354	1	8.0354	2,591
8/81	4,318	6,330			682	8/95	3,024	2	8.0142	4	16.0284	2,581
8/82	5,005	6,269			798	8/96	3,498	3	8.1600	9	24.4800	2,571
8/83	6,417	6,205			1,034	8/97	3,989	4	8.2912	16	33.1649	2,561
8/84	9,959	6,642			1,499	8/98	4,074	5	8.3125	25	41.5625	2,552
8/85	9,920	7,185			1,381	8/99	4,285	6	8.3629	36	50.1772	2,542
8/86	12,187	7,137			1,708	8/00	4,268	7	8.3589	49	58.5122	2,532
8/87	14,966	6,826			2,192	8/01	4,631	8	8.4405	64	67.5242	2,522
8/88	26,496	7,419			3,571	8/02	4,300	9	8.3663	81	75.2964	2,513
8/89	23,756	8,015			2,964	8/03	5,614	10	8.6330	100	86.3295	2,503
8/90	26,844	7,998	137,020	0.0584	3,356	8/04	3,326	11	8.1096	121	89.2053	2,493
8/91	28,111	8,659	143,831	0.0602	3,246	8/05	3,218	12	8.0765	144	96.9185	2,484
8/92	31,688	9,182	150,508	0.0610	3,451	8/06	2,758	13	7.9224	169	102.9912	2,474
8/93	28,897	9,192	158,687	0.0579	3,144	8/07	2,782	14	7.9309	196	111.0325	2,465
8/94	31,265	10,123	164,529	0.0615	3,089	8/08	2,979	15	7.9995	225	119.9924	2,455
8/95	31,300	10,352	174,288	0.0594	3,024	8/09	2,715	16	7.9064	256	126.5026	2,446
8/96	33,327	9,527	175,336	0.0543	3,498	8/10	3,047	17	8.0219	289	136.3731	2,436
8/97	34,622	8,680	180,397	0.0481	3,989	8/11	2,880	18	7.9655	324	143.3797	2,427
8/98	34,034	8,353	180,055	0.0464	4,074	8/12	2,674	19	7.8912	361	149.9328	2,418
8/99	35,539	8,294	179,328	0.0463	4,285	8/13	2,835	20	7.9498	400	158.9955	2,408
8/00	35,629	8,348	178,757	0.0467	4,268	8/14	2,837	21	7.9507	441	166.9637	2,399
8/01	37,770	8,156	177,522	0.0459	4,631	8/15	2,950	22	7.9896	484	175.7719	2,390
8/02	36,757	8,549	174,016	0.0491	4,300	8/16	3,299	23	8.1013	529	186.3306	2,381
8/03	42,203	7,518	178,167	0.0422	5,614	8/17	2,736	24	7.9142	576	189.9418	2,371
8/04	23,978	7,209	174,122	0.0414	3,326	8/18	2,750	25	7.9192	625	197.9810	2,362
8/05	23,891	7,424	164,495	0.0451	3,218	8/19	2,675	26	7.8915	676	205.1800	2,353
8/06	18,829	6,826	165,728	0.0412	2,758	8/20	2,588	27	7.8586	729	212.1820	2,344
8/07	19,473	7,000	169,818	0.0412	2,782	8/21	2,785	28	7.9318	784	222.0915	2,335
8/08	21,786	7,312	170,953	0.0428	2,979	8/22	2,474	29	7.8138	841	226.5993	2,326
8/09	19,988	7,363	178,436	0.0413	2,715			435	234.1195	8555	3479.4761	
8/10	22,890	7,512	183,750	0.0409	3,047							
8/11	22,026	7,648	183,115	0.0418	2,880	8/20		27				2,344
8/12	19,167	7,169	182,834	0.0392	2,674	8/21		28				2,335
8/13	19,904	7,021	179,251	0.0392	2,835	8/22		29				2,326
8/14	19,575	6,899	182,372	0.0378	2,837							
8/15	20,103	6,814	181,175	0.0376	2,950	a=	7.8638		b=	-0.0039		
8/16	22,211	6,733	183,413	0.0367	3,299				Trend:	-0.38%		
8/17	18,832	6,883	183,593	0.0375	2,736				Geo Mean	-0.79%		
8/18	18,065	6,570	179,997	0.0365	2,750							
8/19	17,620	6,588	181,653	0.0363	2,675							
8/20	16,694	6,451	180,794	0.0357	2,588							
8/21	16,590	5,958	175,017	0.0340	2,785							
8/22	14,268	5,766	162,960	0.0354	2,474							
972,142												

Exhibit 16
State Office of Risk Management

Calculation of Average Severity and Trend at August 31, 2022

<i>Fiscal Year Ending</i>	<i>Ultimate Incurred Claims</i>	<i># of Claims</i>	<i>Full Time Equivalent</i>	<i>Frequency per FTE</i>	<i>Annual Avg Size</i>	<i>Annual Period Ending</i>	<i>Avg Size</i>	<i>x</i>	<i>ln(Size) y</i>	<i>x²</i>	<i>xy</i>	<i>exp(y')</i>
Indemnity and Medical Claims Combined												
8/75	383	274			1,398							
8/76	3,615	4,347			832							
8/77	5,732	5,261			1,089							
8/78	7,877	6,409			1,229							
8/79	9,079	6,491			1,399							
8/80	10,109	6,480			1,560							
8/81	10,201	6,330			1,612	8/94	5,447	1	8.6028	1	8.6028	6,597
8/82	12,503	6,269			1,994	8/95	5,387	2	8.5918	4	17.1836	6,529
8/83	14,217	6,205			2,291	8/96	5,701	3	8.6485	9	25.9454	6,461
8/84	21,826	6,642			3,286	8/97	6,579	4	8.7917	16	35.1668	6,394
8/85	23,186	7,185			3,227	8/98	6,855	5	8.8327	25	44.1637	6,328
8/86	29,513	7,137			4,135	8/99	7,226	6	8.8855	36	53.3128	6,263
8/87	32,968	6,826			4,830	8/00	7,679	7	8.9462	49	62.6234	6,198
8/88	49,038	7,419			6,610	8/01	7,670	8	8.9451	64	71.5605	6,134
8/89	51,492	8,015			6,424	8/02	7,127	9	8.8717	81	79.8453	6,070
8/90	59,725	7,998	137,020	0.0584	7,467	8/03	8,579	10	9.0571	100	90.5712	6,008
8/91	52,535	8,659	143,831	0.0602	6,067	8/04	5,774	11	8.6611	121	95.2718	5,945
8/92	54,091	9,182	150,508	0.0610	5,891	8/05	5,669	12	8.6428	144	103.7136	5,884
8/93	50,249	9,192	158,687	0.0579	5,467	8/06	4,890	13	8.4949	169	110.4340	5,823
8/94	55,141	10,123	164,529	0.0615	5,447	8/07	5,095	14	8.5361	196	119.5051	5,763
8/95	55,770	10,352	174,288	0.0594	5,387	8/08	5,412	15	8.5963	225	128.9451	5,703
8/96	54,317	9,527	175,336	0.0543	5,701	8/09	4,996	16	8.5164	256	136.2622	5,644
8/97	57,110	8,680	180,397	0.0481	6,579	8/10	5,464	17	8.6059	289	146.3010	5,586
8/98	57,260	8,353	180,055	0.0464	6,855	8/11	5,321	18	8.5794	324	154.4285	5,528
8/99	59,934	8,294	179,328	0.0463	7,226	8/12	4,752	19	8.4664	361	160.8609	5,471
8/00	64,101	8,348	178,757	0.0467	7,679	8/13	4,717	20	8.4590	400	169.1805	5,414
8/01	62,556	8,156	177,522	0.0459	7,670	8/14	5,089	21	8.5349	441	179.2336	5,358
8/02	60,932	8,549	174,016	0.0491	7,127	8/15	5,160	22	8.5487	484	188.0723	5,303
8/03	64,500	7,518	178,167	0.0422	8,579	8/16	5,839	23	8.6723	529	199.4633	5,248
8/04	41,623	7,209	174,122	0.0414	5,774	8/17	5,004	24	8.5180	576	204.4318	5,194
8/05	42,088	7,424	164,495	0.0451	5,669	8/18	5,069	25	8.5309	625	213.2715	5,140
8/06	33,378	6,826	165,728	0.0412	4,890	8/19	5,054	26	8.5279	676	221.7251	5,087
8/07	35,667	7,000	169,818	0.0412	5,095	8/20	5,116	27	8.5402	729	230.5847	5,034
8/08	39,571	7,312	170,953	0.0428	5,412	8/21	5,727	28	8.6530	784	242.2839	4,982
8/09	36,785	7,363	178,436	0.0413	4,996	8/22	5,208	29	8.5580	841	248.1816	4,931
8/10	41,046	7,512	183,750	0.0409	5,464			435	250.8153	8555	3741.1258	
8/11	40,693	7,648	183,115	0.0418	5,321							
8/12	34,069	7,169	182,834	0.0392	4,752	8/20		27				5,034
8/13	33,121	7,021	179,251	0.0392	4,717	8/21		28				4,982
8/14	35,112	6,899	182,372	0.0378	5,089	8/22		29				4,931
8/15	35,162	6,814	181,175	0.0376	5,160							
8/16	39,314	6,733	183,413	0.0367	5,839	a=	8.8047		b=	-0.0104		
8/17	34,442	6,883	183,593	0.0375	5,004				Trend:	-1.03%		
8/18	33,302	6,570	179,997	0.0365	5,069				Geo Mean	-0.16%		
8/19	33,294	6,588	181,653	0.0363	5,054							
8/20	33,005	6,451	180,794	0.0357	5,116							
8/21	34,123	5,958	175,017	0.0340	5,727							
8/22	30,030	5,766	162,960	0.0354	5,208							
1,775,790												

Exhibit 17
State Office of Risk Management

Workers Compensation Insurance Fund

Cumulative Paid Indemnity Claims
Estimate of Amounts Reportable After 8/31/22

Claim Year Ending	12 Month Lag Periods																						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
8/78		2,600	3,362	3,718	3,988	4,159	4,283	4,368	4,400	4,416	4,431	4,445	4,462	4,476	4,491	4,506	4,521	4,535	4,547	4,556	4,566	4,575	4,772
8/79	829	2,534	3,351	3,782	4,005	4,533	4,682	4,774	4,808	4,816	4,827	4,833	4,833	4,833	4,838	4,838	4,838	4,840	4,840	4,840	4,840	4,840	4,840
8/80	933	2,695	3,741	4,231	4,514	4,708	4,863	4,947	5,059	5,134	5,152	5,164	5,178	5,190	5,217	5,225	5,228	5,229	5,231	5,231	5,231	5,231	5,231
8/81	1,021	2,891	3,969	4,592	4,816	4,999	5,102	5,221	5,303	5,354	5,396	5,428	5,453	5,477	5,502	5,527	5,552	5,588	5,615	5,643	5,664	5,679	5,819
8/82	1,194	3,216	4,577	5,405	6,275	6,511	6,702	6,836	6,906	6,956	6,988	7,014	7,038	7,066	7,090	7,111	7,136	7,154	7,170	7,186	7,202	7,218	7,362
8/83	1,261	3,559	4,921	5,995	6,474	6,821	7,050	7,174	7,227	7,256	7,304	7,324	7,341	7,363	7,389	7,409	7,428	7,447	7,466	7,485	7,504	7,523	7,800
8/84	1,675	5,229	7,862	9,380	10,173	10,642	10,932	11,240	11,435	11,475	11,516	11,551	11,571	11,600	11,618	11,635	11,653	11,670	11,687	11,698	11,705	11,713	11,838
8/85	1,791	6,041	8,734	10,769	11,910	12,350	12,824	13,031	13,125	13,146	13,165	13,192	13,223	13,234	13,245	13,255	13,266	13,266	13,266	13,266	13,266	13,266	13,266
8/86	2,422	6,984	10,782	12,579	13,914	14,904	15,613	16,153	16,259	16,350	16,388	16,449	16,484	16,537	16,570	16,603	16,636	16,672	16,707	16,741	16,775	16,809	17,327
8/87	2,396	8,832	12,738	15,004	16,393	17,152	17,607	17,871	17,945	18,000	18,003	18,003	18,003	18,003	18,003	18,003	18,003	18,003	18,003	18,003	18,003	18,003	18,003
8/88	2,955	9,784	14,794	18,023	19,734	20,809	21,457	21,680	21,747	21,831	21,881	21,938	21,993	22,030	22,063	22,106	22,139	22,173	22,205	22,231	22,252	22,272	22,542
8/89	4,135	12,976	19,692	23,098	24,514	25,836	26,373	26,758	26,881	26,942	27,016	27,036	27,188	27,208	27,228	27,249	27,381	27,414	27,433	27,453	27,473	27,493	27,736
8/90	4,303	15,624	23,252	26,870	29,680	30,717	31,236	31,565	31,664	31,755	31,860	31,900	31,987	32,027	32,097	32,254	32,290	32,334	32,370	32,407	32,444	32,480	32,881
8/91	5,209	13,480	18,193	20,337	21,697	22,510	23,075	23,554	23,749	23,813	23,877	23,921	23,966	24,012	24,058	24,103	24,147	24,190	24,234	24,256	24,281	24,303	24,424
8/92	5,092	12,636	16,677	18,269	19,349	20,065	20,591	21,008	21,159	21,223	21,281	21,339	21,397	21,458	21,517	21,576	21,634	21,694	21,755	21,818	21,880	21,940	22,403
8/93	4,916	12,078	15,628	17,292	18,262	19,168	19,775	20,297	20,479	20,598	20,646	20,699	20,765	20,824	20,885	20,942	21,002	21,062	21,108	21,145	21,179	21,215	21,352
8/94	5,376	14,097	18,288	20,023	21,058	21,781	22,372	22,895	23,087	23,258	23,313	23,362	23,433	23,486	23,541	23,579	23,613	23,654	23,690	23,726	23,763	23,803	23,876
8/95	5,691	14,100	18,094	20,018	21,028	21,804	22,439	23,031	23,238	23,332	23,439	23,522	23,615	23,704	23,796	23,887	23,957	24,025	24,085	24,129	24,173	24,217	24,305
8/96	5,116	12,495	16,149	17,895	18,865	19,592	20,177	20,741	20,869	20,959	20,988	20,990	20,990	20,990	20,990	20,990	20,990	20,990	20,990	20,990	20,990	20,990	20,990
8/97	3,998	11,271	15,547	17,453	18,543	19,488	20,361	21,107	21,373	21,476	21,584	21,690	21,809	21,919	22,059	22,113	22,164	22,216	22,270	22,324	22,380	22,438	22,482
8/98	4,588	12,884	17,343	19,228	20,302	21,221	21,912	22,385	22,520	22,597	22,645	22,695	22,744	22,796	22,846	22,894	22,943	23,016	23,065	23,094	23,121	23,147	23,174
8/99	4,649	13,829	18,670	20,675	21,805	22,574	23,227	23,674	23,798	23,844	23,894	23,944	23,998	24,048	24,094	24,143	24,197	24,247	24,279	24,302	24,325	24,346	24,371
8/00	5,117	14,931	20,110	22,412	23,468	24,306	24,887	25,268	25,453	25,619	25,971	26,189	26,415	26,610	26,817	27,039	27,252	27,467	27,667	27,864	28,054	28,267	28,472
8/01	5,585	15,394	20,332	21,966	22,802	23,377	23,835	24,101	24,165	24,222	24,250	24,278	24,306	24,334	24,362	24,389	24,418	24,445	24,473	24,501	24,528	24,557	
8/02	6,316	16,761	21,354	22,746	23,236	23,575	23,734	23,865	23,891	23,896	23,896	23,896	23,896	23,896	23,896	23,896	23,896	23,896	23,896	23,896	23,896	23,896	
8/03	5,700	14,337	18,166	19,412	19,896	20,310	20,750	21,048	21,188	21,277	21,362	21,450	21,512	21,575	21,639	21,705	21,771	21,839	21,908	21,979			
8/04	4,773	12,545	15,042	15,686	15,969	16,130	16,280	16,421	16,595	16,678	16,748	16,821	16,894	16,967	17,042	17,119	17,198	17,279	17,360				
8/05	5,034	12,586	15,293	15,954	16,362	16,680	16,966	17,214	17,336	17,423	17,490	17,557	17,624	17,685	17,732	17,780	17,815	17,841					
8/06	4,550	10,243	12,299	12,827	13,042	13,198	13,330	13,440	13,534	13,623	13,708	13,792	13,877	13,961	14,041	14,131	14,215						
8/07	4,651	10,903	13,574	14,182	14,470	14,723	14,916	15,085	15,193	15,294	15,346	15,404	15,474	15,542	15,615	15,685							
8/08	5,089	12,022	14,411	15,313	15,653	15,917	16,106	16,285	16,415	16,656	16,761	16,852	16,925	17,000	17,075								
8/09	4,985	11,583	13,804	14,448	14,800	15,073	15,337	15,529	15,629	15,701	15,773	15,841	15,916	15,987									
8/10	5,315	12,075	14,227	15,010	15,417	15,748	15,963	16,160	16,711	16,826	16,939	17,065	17,190										
8/11	5,345	12,101	14,222	15,110	15,539	16,037	16,468	16,788	17,016	17,211	17,409	17,605											
8/12	4,267	9,998	11,911	12,623	12,960	13,191	13,437	13,639	13,786	13,865	13,938												
8/13	3,699	8,867	11,120	11,726	11,929	12,074	12,170	12,227	12,233	12,233													
8/14	4,152	10,297	12,761	13,449	13,784	13,966	14,133	14,281	14,341														
8/15	3,449	9,171	11,624	12,421	12,805	13,086	13,404	13,723															
8/16	4,409	11,258	13,840	14,629	14,871	15,103	15,377																
8/17	4,010	10,338	12,752	13,318	13,601	13,826																	
8/18	4,142	9,785	11,856	12,724	13,297																		
8/19	4,151	10,127	12,565	13,378																			
8/20	3,978	10,500	13,264																				
8/21	4,422	11,853																					
8/22	4,420																						

Exhibit 17
State Office of Risk Management
Workers Compensation Insurance Fund
Cumulative Paid Indemnity Claims
Estimate of Amounts Reportable After 8/31/22

Claim Year Ending	Period to Period Ratios																						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
8/78	1.000		1.293	1.106	1.073	1.043	1.030	1.020	1.007	1.003	1.003	1.003	1.004	1.003	1.003	1.003	1.003	1.003	1.003	1.002	1.002	1.002	1.043
8/79	1.000	3.056	1.322	1.129	1.059	1.132	1.033	1.020	1.007	1.002	1.002	1.001	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8/80	1.000	2.890	1.388	1.131	1.067	1.043	1.033	1.017	1.023	1.015	1.003	1.002	1.003	1.002	1.005	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000
8/81	1.000	2.832	1.373	1.157	1.049	1.038	1.021	1.023	1.016	1.010	1.008	1.006	1.005	1.004	1.004	1.005	1.004	1.007	1.005	1.005	1.004	1.003	1.025
8/82	1.000	2.694	1.423	1.181	1.161	1.038	1.029	1.020	1.010	1.007	1.005	1.004	1.003	1.004	1.003	1.003	1.003	1.003	1.002	1.002	1.002	1.002	1.020
8/83	1.000	2.823	1.383	1.218	1.080	1.054	1.034	1.018	1.007	1.004	1.007	1.003	1.002	1.003	1.004	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.037
8/84	1.000	3.121	1.504	1.193	1.085	1.046	1.027	1.028	1.017	1.004	1.004	1.003	1.002	1.003	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.011
8/85	1.000	3.372	1.446	1.233	1.106	1.037	1.038	1.016	1.007	1.002	1.001	1.002	1.002	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000
8/86	1.000	2.884	1.544	1.167	1.106	1.071	1.048	1.035	1.007	1.006	1.002	1.004	1.002	1.003	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.031
8/87	1.000	3.686	1.442	1.178	1.093	1.046	1.027	1.015	1.004	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8/88	1.000	3.311	1.512	1.218	1.095	1.055	1.031	1.010	1.003	1.004	1.002	1.003	1.002	1.002	1.001	1.002	1.001	1.002	1.001	1.001	1.001	1.001	1.012
8/89	1.000	3.138	1.518	1.173	1.061	1.054	1.021	1.015	1.005	1.002	1.003	1.001	1.006	1.001	1.001	1.001	1.005	1.001	1.001	1.001	1.001	1.001	1.009
8/90	1.000	3.631	1.488	1.156	1.105	1.035	1.017	1.011	1.003	1.003	1.003	1.001	1.003	1.001	1.002	1.005	1.001	1.001	1.001	1.001	1.001	1.001	1.012
8/91	1.000	2.588	1.350	1.118	1.067	1.037	1.025	1.021	1.008	1.003	1.003	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.001	1.001	1.001	1.005
8/92	1.000	2.482	1.320	1.095	1.059	1.037	1.026	1.020	1.007	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.021
8/93	1.000	2.457	1.294	1.106	1.056	1.050	1.032	1.026	1.009	1.006	1.002	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.002	1.002	1.002	1.002	1.006
8/94	1.000	2.622	1.297	1.095	1.052	1.034	1.027	1.023	1.008	1.007	1.002	1.002	1.003	1.002	1.002	1.002	1.001	1.002	1.002	1.002	1.002	1.002	1.003
8/95	1.000	2.477	1.283	1.106	1.050	1.037	1.029	1.026	1.009	1.004	1.005	1.004	1.004	1.004	1.004	1.004	1.003	1.003	1.003	1.002	1.002	1.002	1.004
8/96	1.000	2.443	1.292	1.108	1.054	1.039	1.030	1.028	1.006	1.004	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8/97	1.000	2.819	1.379	1.123	1.062	1.051	1.045	1.037	1.013	1.005	1.005	1.005	1.006	1.005	1.006	1.002	1.002	1.002	1.002	1.002	1.002	1.003	1.002
8/98	1.000	2.808	1.346	1.109	1.056	1.045	1.033	1.022	1.006	1.003	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.003	1.002	1.001	1.001	1.001	1.001
8/99	1.000	2.974	1.350	1.107	1.055	1.035	1.029	1.019	1.005	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.001	1.001	1.001	1.001	1.001
8/00	1.000	2.918	1.347	1.114	1.047	1.036	1.024	1.015	1.007	1.007	1.014	1.008	1.009	1.007	1.008	1.008	1.008	1.008	1.007	1.007	1.007	1.008	1.007
8/01	1.000	2.756	1.321	1.080	1.038	1.025	1.020	1.011	1.003	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001
8/02	1.000	2.654	1.274	1.065	1.022	1.015	1.007	1.006	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8/03	1.000	2.515	1.267	1.069	1.025	1.021	1.022	1.014	1.007	1.004	1.004	1.004	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.002
8/04	1.000	2.628	1.199	1.043	1.018	1.010	1.009	1.009	1.011	1.005	1.004	1.004	1.004	1.004	1.004	1.005	1.005	1.005	1.005	1.003	1.003	1.003	1.003
8/05	1.000	2.500	1.215	1.043	1.026	1.019	1.017	1.015	1.007	1.005	1.004	1.004	1.004	1.004	1.004	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.001
8/06	1.000	2.251	1.201	1.043	1.017	1.012	1.010	1.008	1.007	1.007	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.007	1.007	1.007	1.008	1.007
8/07	1.000	2.344	1.245	1.045	1.020	1.018	1.013	1.011	1.007	1.007	1.003	1.004	1.005	1.004	1.005	1.005	1.005	1.001	1.001	1.001	1.001	1.001	1.001
8/08	1.000	2.362	1.199	1.063	1.022	1.017	1.012	1.011	1.008	1.015	1.006	1.005	1.004	1.004	1.004	1.004	1.004	1.000	1.000	1.000	1.000	1.000	1.000
8/09	1.000	2.324	1.192	1.047	1.024	1.018	1.018	1.013	1.006	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.003	1.003	1.003	1.003	1.003	1.002
8/10	1.000	2.272	1.178	1.055	1.027	1.021	1.014	1.012	1.034	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.005	1.005	1.005	1.005	1.005	1.001
8/11	1.000	2.264	1.175	1.062	1.028	1.032	1.027	1.019	1.014	1.011	1.012	1.011	1.014	1.007	1.014	1.019	1.019	1.008	1.007	1.007	1.007	1.008	1.007
8/12	1.000	2.343	1.191	1.060	1.027	1.018	1.019	1.015	1.011	1.006	1.012	1.012	1.015	1.007	1.012	1.015	1.015	1.006	1.006	1.006	1.006	1.007	1.007
8/13	1.000	2.397	1.254	1.054	1.017	1.012	1.008	1.005	1.000	1.000	1.003	1.004	1.005	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006
8/14	1.000	2.480	1.239	1.054	1.025	1.013	1.012	1.010	1.004	1.000	1.001	1.001	1.005	1.004	1.004	1.005	1.005	1.004	1.004	1.004	1.004	1.004	1.004
8/15	1.000	2.659	1.267	1.068	1.031	1.022	1.024	1.024	1.006	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005
8/16	1.000	2.554	1.229	1.057	1.017	1.016	1.018	1.018	1.011	1.006	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007
8/17	1.000	2.578	1.234	1.044	1.021	1.017	1.018	1.018	1.014	1.011	1.012	1.011	1.015	1.007	1.012	1.015	1.015	1.006	1.006	1.006	1.006	1.006	1.006
8/18	1.000	2.363	1.212	1.073	1.045	1.017	1.018	1.018	1.014	1.011	1.012	1.011	1.015	1.007	1.012	1.015	1.015	1.006	1.006	1.006	1.006	1.006	1.006
8/19	1.000	2.440	1.241	1.065																			
8/20	1.000	2.640	1.263																				
8/21	1.000	2.681																					
8/22	1.000																						

Exhibit 17
State Office of Risk Management

Workers Compensation Insurance Fund

Cumulative Paid Indemnity Claims
Estimate of Amounts Reportable After 8/31/22

Method	Age to Age Development Factors																						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Aggregate	1.000	2.649	1.309	1.103	1.050	1.033	1.024	1.017	1.008	1.005	1.004	1.003	1.003	1.003	1.003	1.003	1.002	1.002	1.002	1.002	1.002	1.002	1.009
Average	1.000	2.698	1.314	1.106	1.052	1.035	1.025	1.019	1.009	1.005	1.004	1.004	1.003	1.003	1.003	1.003	1.002	1.002	1.002	1.002	1.002	1.002	1.013
Truncated	1.000	2.685	1.312	1.104	1.051	1.033	1.025	1.018	1.009	1.005	1.004	1.003	1.003	1.003	1.003	1.003	1.002	1.002	1.002	1.002	1.001	1.001	1.012
Inverted	1.000	2.658	1.306	1.103	1.051	1.034	1.025	1.019	1.009	1.005	1.004	1.004	1.003	1.003	1.003	1.003	1.002	1.002	1.002	1.002	1.002	1.002	1.013
Trunc Last 8	1.000	2.558	1.243	1.060	1.025	1.018	1.017	1.013	1.008	1.007	1.005	1.005	1.005	1.004	1.003	1.004	1.003	1.003	1.002	1.001	1.001	1.002	1.003
Last 8	1.000	2.549	1.242	1.060	1.026	1.019	1.017	1.014	1.011	1.007	1.006	1.006	1.005	1.004	1.003	1.004	1.003	1.003	1.003	1.002	1.002	1.002	1.003
Last 7	1.000	2.559	1.241	1.059	1.026	1.018	1.017	1.014	1.011	1.007	1.006	1.006	1.005	1.004	1.004	1.003	1.004	1.003	1.003	1.002	1.002	1.002	1.003
Trunc Last 6	1.000	2.553	1.242	1.061	1.024	1.016	1.018	1.014	1.009	1.007	1.006	1.006	1.005	1.004	1.004	1.004	1.003	1.003	1.003	1.002	1.001	1.001	1.002
Last 6	1.000	2.542	1.241	1.060	1.026	1.016	1.018	1.014	1.012	1.007	1.006	1.006	1.005	1.005	1.004	1.004	1.003	1.003	1.003	1.002	1.001	1.002	1.003
Last 5	1.000	2.540	1.236	1.062	1.028	1.016	1.016	1.015	1.013	1.006	1.007	1.006	1.005	1.005	1.004	1.004	1.003	1.002	1.002	1.002	1.002	1.003	1.002
Last 4	1.000	2.531	1.237	1.060	1.028	1.017	1.016	1.013	1.007	1.006	1.007	1.007	1.005	1.005	1.004	1.005	1.004	1.002	1.002	1.003	1.002	1.003	1.003
Last 3	1.000	2.587	1.239	1.061	1.028	1.018	1.018	1.013	1.005	1.006	1.008	1.008	1.005	1.004	1.005	1.005	1.004	1.003	1.003	1.001	1.003	1.003	1.003
Last 2	1.000	2.660	1.252	1.069	1.033	1.016	1.021	1.017	1.002	1.003	1.008	1.009	1.006	1.004	1.005	1.005	1.004	1.003	1.004	1.002	1.001	1.004	1.004
Wtd Avg	1.000	2.626	1.249	1.064	1.034	1.017	1.019	1.017	1.004	1.003	1.007	1.009	1.006	1.005	1.005	1.005	1.005	1.003	1.004	1.002	1.001	1.003	1.004
Geometric	1.000	2.678	1.310	1.105	1.052	1.034	1.025	1.019	1.009	1.005	1.004	1.004	1.003	1.003	1.003	1.003	1.002	1.002	1.002	1.002	1.002	1.002	1.013
NCCI Factors ⁽¹⁾	1.000	2.247	1.259	1.078	1.035	1.026	1.021	1.019	1.013	1.009	1.009	1.008	1.007	1.007	1.010	1.010	1.010	1.010	1.010	1.010	1.010	1.010	1.045
Prior Study	1.000	2.539	1.237	1.059	1.023	1.019	1.017	1.012	1.012	1.008	1.006	1.005	1.005	1.004	1.003	1.003	1.003	1.003	1.003	1.002	1.002	1.002	1.002
Factors Selected	1.000	2.542	1.241	1.060	1.026	1.016	1.018	1.014	1.012	1.007	1.006	1.006	1.005	1.005	1.004	1.004	1.003	1.003	1.003	1.002	1.002	1.002	1.003
Age to Ultimate Development Factors																							
NCCI Factors ⁽¹⁾	4.022	1.790	1.422	1.422	1.319	1.274	1.242	1.216	1.193	1.178	1.167	1.157	1.148	1.140	1.132	1.121	1.110	1.099	1.089	1.078	1.067	1.056	1.045
Prior Study	3.805	1.499	1.212	1.212	1.145	1.119	1.098	1.080	1.067	1.054	1.045	1.038	1.033	1.028	1.024	1.020	1.017	1.014	1.011	1.008	1.006	1.004	1.002
Factors Selected	3.849	1.514	1.220	1.220	1.151	1.121	1.104	1.084	1.069	1.057	1.049	1.042	1.036	1.030	1.026	1.022	1.018	1.015	1.012	1.009	1.007	1.005	1.003
Percentage Paid																							
NCCI Factors ⁽¹⁾	24.86%	55.87%	70.32%	75.82%	78.49%	80.52%	82.24%	83.82%	84.89%	85.69%	86.43%	87.11%	87.72%	88.34%	88.84%	89.20%	90.07%	90.96%	91.87%	92.80%	93.74%	94.71%	95.69%
Factors Selected	25.98%	66.05%	81.97%	86.91%	89.17%	90.61%	92.24%	93.56%	94.65%	95.33%	95.93%	96.54%	97.04%	97.48%	97.88%	98.23%	98.50%	98.50%	98.80%	99.09%	99.32%	99.53%	99.75%

(1) From National Council on Compensation Insurance (NCCI) Annual Statistical Bulletin 2018 Edition

Exhibit 17
State Office of Risk Management

Workers Compensation Insurance Fund

Cumulative Paid Indemnity Claims
Estimate of Amounts Reportable After 8/31/22

Claim Year	Paid to Ultimate Ratios																						
Ending	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
8/78		1.836	1.420	1.284	1.197	1.147	1.114	1.093	1.085	1.081	1.077	1.074	1.070	1.066	1.063	1.059	1.056	1.052	1.050	1.047	1.045	1.043	1.000
8/79	6.065	1.985	1.501	1.330	1.255	1.109	1.074	1.053	1.046	1.044	1.042	1.040	1.040	1.040	1.039	1.039	1.039	1.039	1.039	1.039	1.039	1.039	1.039
8/80	5.747	1.988	1.433	1.267	1.187	1.138	1.102	1.083	1.059	1.044	1.040	1.038	1.035	1.033	1.027	1.026	1.025	1.025	1.025	1.025	1.025	1.025	1.025
8/81	5.764	2.035	1.482	1.281	1.222	1.177	1.153	1.127	1.110	1.099	1.090	1.084	1.079	1.074	1.069	1.064	1.060	1.053	1.048	1.043	1.039	1.036	1.011
8/82	6.281	2.331	1.638	1.387	1.195	1.152	1.119	1.097	1.086	1.078	1.073	1.069	1.065	1.061	1.058	1.054	1.051	1.048	1.046	1.043	1.041	1.039	1.018
8/83	6.188	2.192	1.585	1.301	1.205	1.144	1.106	1.087	1.079	1.075	1.068	1.065	1.063	1.059	1.056	1.053	1.050	1.047	1.045	1.042	1.040	1.037	1.000
8/84	7.083	2.270	1.509	1.265	1.167	1.115	1.086	1.056	1.038	1.034	1.030	1.027	1.026	1.023	1.021	1.020	1.018	1.017	1.015	1.014	1.014	1.013	1.002
8/85	7.405	2.196	1.519	1.232	1.114	1.074	1.035	1.018	1.011	1.009	1.008	1.006	1.003	1.002	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8/86	7.155	2.481	1.607	1.377	1.245	1.163	1.110	1.073	1.066	1.060	1.057	1.053	1.051	1.048	1.046	1.044	1.042	1.039	1.037	1.035	1.033	1.031	1.000
8/87	7.513	2.038	1.413	1.200	1.098	1.050	1.022	1.007	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8/88	7.629	2.304	1.524	1.251	1.142	1.083	1.051	1.040	1.037	1.033	1.030	1.028	1.025	1.023	1.022	1.020	1.018	1.017	1.015	1.014	1.013	1.012	1.000
8/89	6.707	2.138	1.408	1.201	1.131	1.074	1.052	1.037	1.032	1.029	1.027	1.026	1.020	1.019	1.019	1.018	1.013	1.012	1.011	1.010	1.010	1.009	1.000
8/90	7.641	2.105	1.414	1.224	1.108	1.070	1.053	1.042	1.038	1.035	1.032	1.031	1.028	1.027	1.024	1.019	1.018	1.017	1.016	1.015	1.013	1.012	1.000
8/91	4.689	1.812	1.343	1.201	1.126	1.085	1.058	1.037	1.028	1.026	1.023	1.021	1.019	1.017	1.015	1.013	1.011	1.010	1.008	1.007	1.006	1.005	1.000
8/92	4.400	1.773	1.343	1.226	1.158	1.117	1.088	1.066	1.059	1.056	1.053	1.050	1.047	1.044	1.041	1.038	1.036	1.033	1.030	1.027	1.024	1.021	1.000
8/93	4.343	1.768	1.366	1.235	1.169	1.114	1.080	1.052	1.043	1.037	1.034	1.032	1.028	1.025	1.022	1.020	1.017	1.014	1.012	1.010	1.008	1.006	1.000
8/94	4.442	1.694	1.306	1.192	1.134	1.096	1.067	1.043	1.034	1.027	1.024	1.022	1.019	1.017	1.014	1.013	1.011	1.009	1.008	1.006	1.005	1.003	1.000
8/95	4.300	1.735	1.352	1.222	1.164	1.122	1.091	1.062	1.053	1.049	1.044	1.040	1.036	1.032	1.028	1.024	1.021	1.019	1.016	1.014	1.012	1.010	1.007
8/96	4.103	1.680	1.300	1.173	1.113	1.071	1.040	1.012	1.006	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
8/97	5.624	1.995	1.446	1.288	1.213	1.154	1.104	1.065	1.052	1.047	1.042	1.037	1.031	1.026	1.019	1.017	1.015	1.012	1.010	1.007	1.005	1.002	1.000
8/98	5.062	1.803	1.339	1.208	1.144	1.094	1.060	1.038	1.031	1.028	1.026	1.023	1.021	1.019	1.017	1.015	1.012	1.009	1.007	1.006	1.005	1.003	1.002
8/99	5.247	1.764	1.307	1.180	1.119	1.081	1.050	1.030	1.025	1.023	1.021	1.019	1.017	1.014	1.012	1.010	1.008	1.006	1.005	1.004	1.003	1.002	1.001
8/00	5.565	1.907	1.416	1.270	1.213	1.171	1.144	1.127	1.119	1.111	1.096	1.087	1.078	1.070	1.062	1.053	1.045	1.037	1.029	1.022	1.015	1.007	1.000
8/01	4.408	1.599	1.211	1.121	1.080	1.053	1.033	1.021	1.019	1.016	1.015	1.014	1.013	1.012	1.011	1.009	1.008	1.007	1.006	1.005	1.004	1.003	1.000
8/02	3.801	1.432	1.124	1.056	1.033	1.018	1.012	1.006	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.003	1.002
8/03	3.883	1.544	1.218	1.140	1.112	1.090	1.066	1.051	1.044	1.040	1.036	1.032	1.029	1.026	1.023	1.020	1.016	1.013	1.010	1.007	1.005	1.002	1.000
8/04	3.670	1.396	1.165	1.117	1.097	1.086	1.076	1.067	1.056	1.050	1.046	1.041	1.037	1.033	1.028	1.023	1.019	1.014	1.009	1.007	1.005	1.003	1.000
8/05	3.587	1.435	1.181	1.132	1.104	1.083	1.064	1.049	1.042	1.036	1.032	1.028	1.025	1.021	1.018	1.016	1.014	1.012	1.010	1.009	1.008	1.007	1.006
8/06	3.171	1.409	1.173	1.125	1.107	1.093	1.083	1.074	1.066	1.059	1.053	1.046	1.040	1.034	1.028	1.021	1.015	1.008	1.006	1.004	1.003	1.002	1.001
8/07	3.433	1.465	1.176	1.126	1.104	1.085	1.071	1.059	1.051	1.044	1.040	1.037	1.032	1.027	1.023	1.018	1.015	1.012	1.009	1.007	1.005	1.003	1.002
8/08	3.428	1.451	1.210	1.139	1.114	1.096	1.083	1.071	1.063	1.047	1.041	1.035	1.031	1.026	1.022	1.018	1.015	1.012	1.009	1.007	1.005	1.003	1.002
8/09	3.290	1.416	1.188	1.135	1.108	1.088	1.069	1.056	1.049	1.045	1.040	1.035	1.030	1.026	1.022	1.018	1.015	1.012	1.009	1.007	1.005	1.003	1.002
8/10	3.333	1.467	1.245	1.180	1.149	1.125	1.110	1.096	1.060	1.053	1.046	1.038	1.030	1.027	1.023	1.018	1.015	1.012	1.009	1.007	1.005	1.003	1.002
8/11	3.411	1.507	1.282	1.207	1.173	1.137	1.107	1.086	1.071	1.059	1.047	1.036	1.031	1.026	1.022	1.018	1.015	1.012	1.009	1.007	1.005	1.003	1.002
8/12	3.405	1.453	1.220	1.151	1.121	1.101	1.081	1.065	1.054	1.048	1.042	1.035	1.030	1.026	1.022	1.018	1.015	1.012	1.009	1.007	1.005	1.003	1.002
8/13	3.471	1.448	1.154	1.095	1.076	1.063	1.055	1.050	1.049	1.045	1.040	1.035	1.030	1.026	1.022	1.018	1.015	1.012	1.009	1.007	1.005	1.003	1.002
8/14	3.650	1.472	1.188	1.127	1.099	1.085	1.072	1.061	1.057	1.049	1.047	1.036	1.030	1.027	1.023	1.018	1.015	1.012	1.009	1.007	1.005	1.003	1.002
8/15	4.251	1.598	1.261	1.180	1.145	1.120	1.094	1.068	1.057	1.049	1.047	1.036	1.030	1.026	1.022	1.018	1.015	1.012	1.009	1.007	1.005	1.003	1.002
8/16	3.780	1.480	1.204	1.139	1.121	1.103	1.084	1.068	1.054	1.048	1.042	1.036	1.030	1.026	1.022	1.018	1.015	1.012	1.009	1.007	1.005	1.003	1.002
8/17	3.804	1.476	1.196	1.145	1.122	1.103	1.084	1.068	1.054	1.048	1.042	1.036	1.030	1.026	1.022	1.018	1.015	1.012	1.009	1.007	1.005	1.003	1.002
8/18	3.598	1.523	1.257	1.171	1.121	1.103	1.084	1.068	1.054	1.048	1.042	1.036	1.030	1.026	1.022	1.018	1.015	1.012	1.009	1.007	1.005	1.003	1.0

Exhibit 17
State Office of Risk Management

Workers Compensation Insurance Fund

Cumulative Paid Indemnity Claims

Estimate of Amounts Reportable After 8/31/22

<i>Mean</i>	3,637	1,482	1,215	1,147	1,117	1,097	1,074	1,058	1,048	1,042	1,037	1,032	1,028	1,025	1,022	1,018	1,016	1,012	1,012	1,012	1,003
<i>Std Dev</i>	0.280	0.05621	0.05939	0.04316	0.03632	0.03323	0.0291	0.0276	0.02449	0.02274	0.01984	0.0179	0.015949	0.01436	0.012705	0.011734	0.011711	0.010929	0.009853	0.011251	0.012362
	0.0012924																				0.00677

<i>t</i> _{0.9}	8/22	8/21	8/20	8/19	8/18	8/17	8/16	8/15	8/14	8/13	8/12	8/11	8/10	8/09	8/08	8/07	8/06	8/05	8/04	8/03	8/02	8/01
<i>Conflnt/2</i>	1.3277	1.3253	1.3253	1.3253	1.3253	1.3253	1.3253	1.3253	1.3253	1.3253	1.3253	1.3253	1.3253	1.3253	1.3253	1.3253	1.3253	1.3253	1.3253	1.3253	1.3253	1.3253
	0.3711	0.0745	0.0787	0.0572	0.0481	0.0440	0.0386	0.0366	0.0325	0.0301	0.0263	0.0237	0.0211	0.0190	0.0168	0.0156	0.0155	0.0145	0.0131	0.0149	0.0164	0.0171
<i>LDF(90%CI)</i>	4.00791	1.55645	1.29345	1.20412	1.16532	1.14072	1.11277	1.09446	1.08037	1.07183	1.06359	1.05602	1.049487	1.043767	1.038392	1.033271	1.031897	1.028	1.02487	1.026796	1.028482	1.029154
<i>Paid</i>	11,853	13,264	13,378	13,297	13,826	15,377	13,723	14,341	12,233	13,938	17,605	17,190	15,987	17,075	15,685	14,215	17,841	17,360	21,979	23,896	24,557	28,472
<i>Ult Incurred (90% CI)</i>	47,507	20,644	17,304	16,012	16,112	17,541	15,271	15,696	13,216	14,939	18,725	18,153	16,779	17,822	16,287	14,688	18,410	17,847	22,526	24,536	25,256	29,303
<i>Ult Incurred (50% CI)</i>	17,743	16,121	15,383	14,901	15,254	16,664	14,660	15,154	12,836	14,530	18,232	17,713	16,400	17,443	15,968	14,431	18,057	17,519	22,130	24,009	24,618	28,472
<i>Delta</i>	29,764	4,523	1,922	1,111	858	876	611	542	380	409	493	440	378	379	320	257	353	328	396	527	638	830

<i>t</i> _{0.75}	0.6876	0.6870	0.6870	0.6870	0.6870	0.6870	0.6870	0.6870	0.6870	0.6870	0.6870	0.6870	0.6870	0.6870	0.6870	0.6870	0.6870	0.6870	0.6870	0.6870	0.6870	0.6870
<i>Conflnt/2</i>	0.1922	0.0386	0.0408	0.0296	0.0249	0.0228	0.0200	0.0190	0.0168	0.0156	0.0136	0.0123	0.0110	0.0099	0.0087	0.0081	0.0080	0.0075	0.0068	0.0077	0.0085	0.0089
<i>LDF(75%CI)</i>	3.829	1.52057	1.25553	1.17657	1.14213	1.11951	1.09419	1.07684	1.06474	1.05731	1.05093	1.04459	1.039305	1.0346	1.030282	1.025781	1.024421	1.021022	1.01858	1.019614	1.02059	1.020904
<i>Paid</i>	11,853	13,264	13,378	13,297	13,826	15,377	13,723	14,341	12,233	13,938	17,605	17,190	15,987	17,075	15,685	14,215	17,841	17,360	21,979	23,896	24,557	28,472
<i>Ult Incurred (75% CI)</i>	45,386	20,168	16,797	15,645	15,791	17,214	15,016	15,443	13,025	14,737	18,502	17,957	16,616	17,666	16,160	14,582	18,276	17,725	22,388	24,365	25,062	29,068
<i>Ult Incurred (50% CI)</i>	17,743	16,121	15,383	14,901	15,254	16,664	14,660	15,154	12,836	14,530	18,232	17,713	16,400	17,443	15,968	14,431	18,057	17,519	22,130	24,009	24,618	28,472
<i>Delta</i>	27,643	4,047	1,414	744	537	550	356	289	188	207	270	244	216	223	192	151	220	206	258	355	444	595

<i>t</i> _{0.6}	0.2569	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567
<i>Conflnt/2</i>	0.0718	0.0144	0.0152	0.0111	0.0093	0.0085	0.0075	0.0071	0.0063	0.0058	0.0051	0.0046	0.0041	0.0037	0.0033	0.0030	0.0030	0.0028	0.0025	0.0029	0.0032	0.0033
<i>LDF(60%CI)</i>	3.70862	1.49639	1.22998	1.158	1.12651	1.10521	1.08167	1.06497	1.05421	1.04752	1.0424	1.03689	1.032444	1.028422	1.024816	1.020732	1.019383	1.016321	1.014341	1.014774	1.015272	1.015344
<i>Paid</i>	11,853	13,264	13,378	13,297	13,826	15,377	13,723	14,341	12,233	13,938	17,605	17,190	15,987	17,075	15,685	14,215	17,841	17,360	21,979	23,896	24,557	28,472
<i>Ult Incurred (60% CI)</i>	43,959	19,847	16,455	15,398	15,575	16,995	14,844	15,273	12,896	14,600	18,352	17,825	16,506	17,560	16,074	14,510	18,187	17,644	22,295	24,249	24,932	28,909
<i>Ult Incurred (50% CI)</i>	17,743	16,121	15,383	14,901	15,254	16,664	14,660	15,154	12,836	14,530	18,232	17,713	16,400	17,443	15,968	14,431	18,057	17,519	22,130	24,009	24,618	28,472
<i>Delta</i>	26,216	3,726	1,072	497	321	330	184	119	59	70	120	111	106	117	107	79	130	125	165	240	313	437

<i>t</i> _{0.5}	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<i>Conflnt/2</i>	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<i>LDF(50%CI)</i>	3.63681	1.48196	1.21473	1.14692	1.11719	1.09668	1.0742	1.05789	1.04792	1.04168	1.0373	1.03229	1.028349	1.024736	1.021554	1.01772	1.016376	1.013514	1.011812	1.011885	1.012098	1.012025
<i>Paid</i>	11,853	13,264	13,378	13,297	13,826	15,377	13,723	14,341	12,233	13,938	17,605	17,190	15,987	17,075	15,685	14,215	17,841	17,360	21,979	23,896	24,557	28,472
<i>Ult Incurred (50% CI)</i>	43,108	19,656	16,251	15,251	15,446	16,863	14,742	15,171	12,819	14,519	18,262	17,746	16,441	17,497	16,023	14,467	18,133	17,595	22,239	24,180	24,854	28,815
<i>Ult Incurred (50% CI)</i>	17,743	16,121	15,383	14,901	15,254	16,664	14,660	15,154	12,836	14,530	18,232	17,713	16,400	17,443	15,968	14,431	18,057	17,519	22,130	24,009	24,618	28,472
<i>Delta</i>	25,365	3,535	868	350	192	199	82	17	0	0	30	32	40	54	55	36	76	76	109	171	235	342

*Values from Student's t Distribution for 50%, 60%, 75% and 90% Confidence

Exhibit 18
State Office of Risk Management

Workers Compensation Insurance Fund

Cumulative Paid Medical Claims

Estimate of Amounts Reportable After 8/31/22

Claim Year Ending	12 Month Lag Periods												13	14	15	16	17	18	19	20	21	22	
	0	1	2	3	4	5	6	7	8	9	10	11											12
8/78		1,960	2,226	2,417	2,552	2,658	2,785	2,831	2,855	2,866	2,875	2,883	2,900	2,914	2,943	2,970	2,984	3,000	3,010	3,027	3,033	3,045	3,105
8/79	1,034	2,053	2,403	2,695	2,849	2,935	2,989	3,061	3,138	3,195	3,218	3,240	3,248	3,256	3,288	3,304	3,318	3,332	3,364	3,406	3,445	3,525	3,821
8/80	1,211	2,595	3,000	3,216	3,383	3,467	3,544	3,650	3,846	3,910	3,986	4,049	4,103	4,130	4,173	4,239	4,293	4,370	4,413	4,476	4,509	4,650	
8/81	1,342	2,754	3,249	3,504	3,640	3,801	3,874	3,931	3,970	3,997	4,069	4,081	4,085	4,089	4,094	4,100	4,105	4,130	4,158	4,171	4,180	4,201	4,280
8/82	1,715	3,273	3,844	4,251	4,485	4,593	4,689	4,732	4,773	4,821	4,862	4,876	4,887	4,899	4,903	4,907	4,908	4,911	4,915	4,919	4,921	4,922	4,929
8/83	1,834	3,712	4,264	4,707	4,960	5,348	5,546	5,686	5,772	5,834	5,909	5,963	6,004	6,034	6,064	6,102	6,147	6,179	6,207	6,262	6,288	6,315	6,417
8/84	2,682	5,720	6,721	7,383	7,831	8,146	8,361	8,567	8,768	8,879	8,962	9,038	9,103	9,169	9,244	9,338	9,408	9,475	9,510	9,552	9,576	9,598	9,940
8/85	2,508	5,684	6,910	7,778	8,154	8,473	8,728	9,004	9,213	9,308	9,381	9,449	9,493	9,547	9,589	9,646	9,708	9,746	9,776	9,801	9,811	9,817	9,920
8/86	2,995	6,711	8,640	9,489	10,077	10,466	10,804	10,990	11,175	11,241	11,311	11,366	11,422	11,571	11,659	11,738	11,795	11,919	11,942	11,968	12,006	12,025	12,186
8/87	2,780	8,314	9,972	11,042	11,804	12,244	12,565	12,837	13,047	13,252	13,521	13,668	13,792	13,863	13,926	13,994	14,065	14,113	14,143	14,188	14,266	14,299	14,966
8/88	4,424	10,321	13,126	15,135	16,247	16,916	17,491	17,888	18,240	18,695	19,065	19,486	19,873	20,280	20,683	21,119	21,464	21,834	22,215	22,553	22,977	23,203	26,496
8/89	5,037	12,494	16,141	17,808	19,074	19,999	20,613	21,062	21,431	22,060	22,262	22,439	22,572	22,692	22,846	22,951	23,022	23,104	23,190	23,234	23,306	23,414	23,756
8/90	6,012	15,031	18,529	20,560	21,863	22,827	23,391	23,872	24,193	24,566	24,875	25,144	25,333	25,431	25,616	25,717	25,837	25,948	26,238	26,395	26,543	26,588	26,844
8/91	7,131	15,966	19,263	21,000	22,249	23,243	23,956	24,500	24,961	25,679	26,252	26,712	26,893	27,093	27,276	27,426	27,544	27,647	27,717	27,830	27,910	27,974	28,111
8/92	7,481	15,918	19,425	21,201	22,569	23,681	24,659	25,451	26,365	27,221	27,809	28,250	28,658	29,212	29,569	29,860	30,151	30,401	30,641	30,903	31,043	31,169	31,688
8/93	7,520	14,886	17,755	19,400	20,754	21,843	22,785	24,048	25,123	25,863	26,374	26,821	27,085	27,281	27,452	27,728	27,933	28,127	28,270	28,490	28,571	28,618	28,897
8/94	7,469	15,413	18,941	21,103	22,562	24,004	25,518	26,806	27,714	28,455	28,901	29,352	29,716	30,041	30,356	30,570	30,745	30,872	30,996	31,090	31,139	31,179	31,265
8/95	8,145	16,478	19,830	22,081	23,532	25,301	26,643	28,014	28,678	29,225	29,618	29,961	30,342	30,563	30,711	30,835	30,952	31,025	31,080	31,144	31,174	31,198	31,235
8/96	8,034	16,642	20,335	22,569	24,538	26,195	27,502	28,405	29,063	29,717	30,276	30,675	31,093	31,347	31,755	31,999	32,242	32,459	32,732	32,832	32,946	33,068	33,197
8/97	7,813	16,311	20,198	22,840	24,586	25,932	27,175	28,096	28,743	29,251	29,797	30,374	30,981	31,531	32,056	32,470	32,888	33,283	33,652	33,984	34,286	34,574	34,610
8/98	7,628	16,573	21,316	24,071	25,872	26,899	27,794	28,462	28,989	29,562	30,065	30,454	30,838	31,465	31,748	31,922	32,136	32,321	32,563	32,889	33,157	33,358	33,628
8/99	7,971	20,282	25,483	28,109	29,946	30,927	31,653	32,164	32,557	33,155	33,715	34,002	34,397	34,596	34,786	34,988	35,110	35,169	35,306	35,352	35,434	35,465	35,511
8/00	10,408	22,569	27,377	29,893	31,058	31,927	32,635	33,168	33,649	34,084	34,389	34,638	34,930	35,015	35,106	35,281	35,356	35,415	35,507	35,553	35,586	35,608	35,629
8/01	10,006	22,254	28,440	30,660	32,130	33,159	34,113	34,855	35,636	36,066	36,418	36,701	36,998	37,169	37,295	37,379	37,436	37,512	37,583	37,616	37,644	37,669	
8/02	11,085	26,259	30,718	33,014	34,015	34,695	35,255	35,532	35,734	36,007	36,150	36,273	36,367	36,438	36,474	36,491	36,504	36,529	36,535	36,535	36,534		
8/03	9,911	20,236	24,117	25,835	27,537	29,280	30,734	31,767	32,752	33,712	34,488	35,080	35,699	36,682	37,550	38,473	39,498	40,134	41,059	41,805			
8/04	7,799	17,768	19,906	20,930	21,698	22,310	22,604	22,891	23,147	23,334	23,412	23,476	23,516	23,546	23,564	23,588	23,598	23,607	23,623				
8/05	8,309	16,123	19,003	20,422	21,617	22,099	22,461	22,681	22,910	23,115	23,176	23,216	23,309	23,347	23,396	23,400	23,408	23,411					
8/06	7,455	13,638	15,810	16,976	17,470	17,697	17,863	18,087	18,233	18,269	18,304	18,322	18,341	18,368	18,379	18,383	18,387						
8/07	8,271	14,891	16,935	17,786	18,147	18,423	18,545	18,618	18,720	18,768	18,805	18,884	18,923	18,955	18,984	19,004							
8/08	9,336	16,896	18,823	19,598	20,070	20,407	20,659	20,786	21,004	21,076	21,127	21,214	21,240	21,245	21,246								
8/09	9,087	16,359	18,149	18,713	19,132	19,225	19,341	19,385	19,417	19,447	19,461	19,462	19,466	19,467									
8/10	9,881	17,542	19,339	20,519	21,024	21,444	21,665	21,817	21,925	22,029	22,100	22,200	22,271										
8/11	11,071	18,340	20,048	20,735	21,046	21,114	21,155	21,190	21,218	21,241	21,261	21,389											
8/12	8,836	15,628	17,029	17,590	17,801	18,123	18,262	18,488	18,513	18,545	18,548												
8/13	9,929	16,077	17,885	18,591	18,929	19,045	19,179	19,216	19,227	19,231													
8/14	8,894	16,456	18,071	18,497	18,725	18,795	18,830	18,852	18,874														
8/15	9,966	16,723	18,203	18,759	18,973	19,164	19,277	19,346															
8/16	10,393	17,974	20,285	20,984	21,168	21,230	21,277																
8/17	9,808	16,538	17,478	17,799	17,906	17,956																	
8/18	10,334	15,693	16,653	17,000	17,096																		
8/19	9,830	15,281	16,164	16,502																			
8/20	7,712	14,351	15,240																				
8/21	8,028	14,048																					
8/22	6,495																						

Exhibit 18
State Office of Risk Management

Workers Compensation Insurance Fund

Cumulative Paid Medical Claims

Estimate of Amounts Reportable After 8/31/22

Claim Year Ending	Period to Period Ratios																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
8/78	1.000		1.135	1.086	1.056	1.042	1.048	1.017	1.008	1.004	1.003	1.003	1.006	1.005	1.010	1.009	1.005	1.005	1.003	1.003	1.006	1.002	1.004	1.020
8/79	1.000	1.987	1.170	1.122	1.057	1.030	1.019	1.024	1.025	1.018	1.007	1.007	1.002	1.002	1.010	1.005	1.004	1.004	1.004	1.010	1.012	1.012	1.023	1.084
8/80	1.000	2.142	1.156	1.072	1.052	1.025	1.022	1.030	1.054	1.016	1.020	1.016	1.013	1.007	1.010	1.016	1.013	1.018	1.010	1.014	1.004	1.003	1.031	
8/81	1.000	2.052	1.180	1.078	1.039	1.044	1.019	1.015	1.010	1.007	1.018	1.003	1.001	1.001	1.001	1.001	1.001	1.006	1.007	1.003	1.002	1.005	1.019	
8/82	1.000	1.908	1.174	1.106	1.055	1.024	1.021	1.009	1.009	1.010	1.008	1.003	1.002	1.002	1.001	1.001	1.000	1.000	1.001	1.001	1.000	1.000	1.001	
8/83	1.000	2.024	1.149	1.104	1.054	1.078	1.037	1.025	1.015	1.011	1.013	1.009	1.007	1.005	1.005	1.006	1.007	1.005	1.005	1.009	1.004	1.004	1.016	
8/84	1.000	2.133	1.175	1.099	1.061	1.040	1.026	1.025	1.023	1.013	1.009	1.008	1.007	1.007	1.008	1.010	1.007	1.007	1.004	1.004	1.002	1.002	1.036	
8/85	1.000	2.266	1.216	1.126	1.048	1.039	1.030	1.032	1.023	1.010	1.008	1.007	1.005	1.006	1.004	1.006	1.006	1.004	1.003	1.003	1.001	1.001	1.010	
8/86	1.000	2.241	1.288	1.098	1.062	1.039	1.032	1.017	1.017	1.006	1.006	1.005	1.005	1.013	1.008	1.007	1.005	1.010	1.002	1.002	1.003	1.002	1.013	
8/87	1.000	2.990	1.199	1.107	1.069	1.037	1.026	1.022	1.016	1.016	1.020	1.011	1.009	1.005	1.005	1.005	1.005	1.003	1.002	1.003	1.005	1.002	1.047	
8/88	1.000	2.333	1.272	1.153	1.073	1.041	1.034	1.023	1.020	1.025	1.020	1.022	1.020	1.020	1.020	1.021	1.016	1.017	1.017	1.015	1.019	1.010	1.142	
8/89	1.000	2.480	1.292	1.103	1.071	1.048	1.031	1.022	1.018	1.029	1.009	1.008	1.006	1.005	1.007	1.005	1.003	1.004	1.004	1.002	1.003	1.005	1.015	
8/90	1.000	2.500	1.233	1.110	1.063	1.044	1.025	1.021	1.013	1.015	1.013	1.011	1.008	1.004	1.007	1.004	1.005	1.004	1.011	1.006	1.006	1.002	1.010	
8/91	1.000	2.239	1.206	1.090	1.059	1.045	1.031	1.023	1.019	1.029	1.022	1.018	1.007	1.007	1.007	1.005	1.004	1.004	1.003	1.004	1.003	1.002	1.005	
8/92	1.000	2.128	1.220	1.091	1.065	1.049	1.041	1.032	1.036	1.032	1.022	1.016	1.014	1.019	1.012	1.010	1.010	1.008	1.008	1.009	1.005	1.004	1.017	
8/93	1.000	1.980	1.193	1.093	1.070	1.052	1.043	1.055	1.045	1.029	1.020	1.017	1.010	1.007	1.006	1.010	1.007	1.007	1.005	1.008	1.003	1.002	1.010	
8/94	1.000	2.064	1.229	1.114	1.069	1.064	1.063	1.050	1.034	1.027	1.016	1.016	1.012	1.011	1.010	1.007	1.006	1.004	1.004	1.003	1.002	1.001	1.003	
8/95	1.000	2.023	1.203	1.114	1.066	1.075	1.053	1.051	1.024	1.019	1.013	1.012	1.013	1.007	1.005	1.004	1.004	1.002	1.002	1.002	1.001	1.001	1.001	
8/96	1.000	2.072	1.222	1.110	1.087	1.068	1.050	1.033	1.023	1.023	1.019	1.013	1.014	1.008	1.013	1.008	1.008	1.007	1.008	1.003	1.003	1.004	1.004	
8/97	1.000	2.088	1.238	1.131	1.076	1.055	1.048	1.034	1.023	1.018	1.019	1.019	1.020	1.018	1.017	1.013	1.013	1.012	1.011	1.010	1.009	1.008	1.001	
8/98	1.000	2.173	1.286	1.129	1.075	1.040	1.033	1.024	1.019	1.020	1.017	1.013	1.013	1.020	1.009	1.005	1.007	1.006	1.007	1.010	1.008	1.006	1.008	
8/99	1.000	2.544	1.256	1.103	1.065	1.033	1.023	1.016	1.012	1.018	1.017	1.009	1.012	1.006	1.005	1.006	1.003	1.002	1.004	1.001	1.002	1.001	1.001	
8/00	1.000	2.168	1.213	1.092	1.039	1.028	1.022	1.016	1.014	1.013	1.009	1.007	1.008	1.002	1.003	1.005	1.002	1.002	1.003	1.001	1.001	1.001	1.001	
8/01	1.000	2.224	1.278	1.078	1.048	1.032	1.029	1.022	1.022	1.012	1.010	1.008	1.008	1.005	1.003	1.002	1.002	1.002	1.002	1.001	1.001	1.001	1.001	
8/02	1.000	2.369	1.170	1.075	1.030	1.020	1.016	1.008	1.006	1.008	1.004	1.003	1.003	1.002	1.001	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	
8/03	1.000	2.042	1.192	1.071	1.066	1.063	1.050	1.034	1.031	1.029	1.023	1.017	1.018	1.028	1.024	1.025	1.027	1.016	1.023	1.018	1.000	1.001	1.001	
8/04	1.000	2.278	1.120	1.051	1.037	1.028	1.013	1.013	1.011	1.008	1.003	1.003	1.002	1.001	1.001	1.001	1.000	1.000	1.001	1.001	1.000	1.001	1.001	
8/05	1.000	1.940	1.179	1.075	1.059	1.022	1.016	1.010	1.010	1.009	1.003	1.002	1.004	1.002	1.002	1.000	1.000	1.000	1.001	1.000	1.000	1.001	1.001	
8/06	1.000	1.829	1.159	1.074	1.029	1.013	1.009	1.012	1.008	1.002	1.002	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.001	
8/07	1.000	1.800	1.137	1.050	1.020	1.015	1.007	1.004	1.006	1.003	1.002	1.004	1.002	1.002	1.002	1.001	1.000	1.001	1.000	1.000	1.001	1.001	1.001	
8/08	1.000	1.810	1.114	1.041	1.024	1.017	1.012	1.006	1.010	1.003	1.002	1.004	1.001	1.000	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	
8/09	1.000	1.800	1.109	1.031	1.022	1.005	1.006	1.002	1.002	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
8/10	1.000	1.775	1.102	1.061	1.025	1.020	1.010	1.007	1.005	1.005	1.003	1.005	1.003	1.003	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
8/11	1.000	1.657	1.093	1.034	1.015	1.003	1.002	1.002	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
8/12	1.000	1.769	1.090	1.033	1.012	1.018	1.008	1.012	1.001	1.002	1.000	1.001	1.004	1.002	1.002	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	
8/13	1.000	1.619	1.112	1.039	1.018	1.006	1.007	1.002	1.001	1.000	1.000	1.004	1.002	1.001	1.001	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	
8/14	1.000	1.850	1.098	1.024	1.012	1.004	1.002	1.001	1.001	1.003	1.002	1.004	1.001	1.000	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	
8/15	1.000	1.678	1.088	1.031	1.011	1.010	1.006	1.004	1.004	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
8/16	1.000	1.729	1.129	1.034	1.009	1.003	1.002	1.007	1.005	1.005	1.003	1.005	1.003	1.003	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
8/17	1.000	1.686	1.057	1.018	1.006	1.003	1.008	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
8/18	1.000	1.519	1.061	1.021	1.006	1.003	1.007	1.002	1.001	1.002	1.000	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
8/19	1.000	1.554	1.058	1.021	1.006	1.003	1.008	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
8/20	1.000	1.861	1.062	1.021	1.006	1.003	1.007	1.002																

Exhibit 18
State Office of Risk Management

Workers Compensation Insurance Fund

Cumulative Paid Medical Claims
Estimate of Amounts Reportable After 8/31/22

Method	Age to Age Development Factors																						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Aggregate	1.000	1.976	1.171	1.076	1.045	1.033	1.026	1.021	1.017	1.015	1.012	1.010	1.009	1.008	1.008	1.007	1.006	1.006	1.006	1.006	1.004	1.003	1.016
Average	1.000	2.025	1.170	1.078	1.047	1.048	1.024	1.021	1.018	1.015	1.016	1.013	1.008	1.009	1.008	1.007	1.006	1.007	1.006	1.006	1.004	1.004	1.031
Truncated	1.000	2.014	1.170	1.078	1.047	1.033	1.024	1.020	1.017	1.014	1.011	1.009	1.008	1.007	1.007	1.007	1.005	1.006	1.005	1.005	1.004	1.003	1.021
Inverted	1.000	1.984	1.166	1.077	1.046	1.042	1.024	1.020	1.018	1.015	1.015	1.012	1.008	1.009	1.008	1.007	1.006	1.006	1.006	1.005	1.004	1.004	1.028
Trunc Last 8	1.000	1.708	1.080	1.027	1.011	1.007	1.005	1.004	1.003	1.002	1.002	1.003	1.002	1.001	1.002	1.002	1.001	1.002	1.005	1.004	1.002	1.002	1.003
Last 8	1.000	1.703	1.083	1.028	1.011	1.008	1.005	1.005	1.003	1.002	1.002	1.003	1.004	1.004	1.004	1.004	1.004	1.004	1.006	1.006	1.003	1.003	1.004
Last 7	1.000	1.682	1.079	1.027	1.011	1.007	1.005	1.004	1.003	1.002	1.002	1.003	1.002	1.005	1.004	1.004	1.005	1.003	1.006	1.006	1.003	1.003	1.003
Trunc Last 6	1.000	1.680	1.067	1.024	1.010	1.006	1.004	1.004	1.001	1.002	1.002	1.003	1.002	1.001	1.001	1.001	1.001	1.001	1.002	1.003	1.003	1.003	1.002
Last 6	1.000	1.683	1.076	1.025	1.010	1.007	1.004	1.005	1.002	1.002	1.002	1.003	1.002	1.001	1.005	1.005	1.005	1.004	1.005	1.005	1.003	1.003	1.003
Last 5	1.000	1.674	1.073	1.025	1.009	1.005	1.005	1.004	1.002	1.002	1.001	1.004	1.002	1.001	1.001	1.005	1.006	1.004	1.006	1.004	1.002	1.003	1.003
Last 4	1.000	1.671	1.059	1.024	1.008	1.005	1.004	1.005	1.001	1.002	1.001	1.004	1.002	1.001	1.001	1.001	1.007	1.004	1.006	1.005	1.001	1.002	1.003
Last 3	1.000	1.722	1.060	1.020	1.007	1.005	1.003	1.002	1.001	1.001	1.001	1.004	1.002	1.001	1.001	1.000	1.000	1.006	1.008	1.006	1.001	1.001	1.003
Last 2	1.000	1.805	1.060	1.021	1.006	1.003	1.004	1.002	1.001	1.001	1.001	1.005	1.002	1.000	1.001	1.001	1.000	1.000	1.012	1.009	1.000	1.001	1.001
Wtd Avg	1.000	1.749	1.060	1.021	1.006	1.004	1.003	1.003	1.001	1.001	1.001	1.005	1.002	1.000	1.001	1.001	1.001	1.002	1.007	1.010	1.000	1.001	1.002
Geometric	1.000	2.004	1.168	1.078	1.046	1.045	1.024	1.021	1.018	1.015	1.015	1.012	1.008	1.009	1.008	1.007	1.006	1.006	1.006	1.005	1.004	1.004	1.029
NCCI Factors ⁽¹⁾	1.000	1.709	1.100	1.027	1.014	1.014	1.014	1.011	1.010	1.008	1.008	1.008	1.008	1.007	1.015	1.015	1.015	1.016	1.016	1.016	1.016	1.017	0.960
Prior Study	1.000	1.671	1.082	1.028	1.011	1.007	1.006	1.004	1.003	1.003	1.002	1.003	1.002	1.006	1.005	1.001	1.001	1.004	1.007	1.004	1.004	1.003	1.003
Factors Selected	1.000	1.683	1.076	1.025	1.010	1.007	1.004	1.005	1.002	1.002	1.002	1.003	1.002	1.001	1.001	1.001	1.001	1.004	1.005	1.005	1.003	1.003	1.003
Age to Ultimate Development Factors																							
NCCI Factors ⁽¹⁾	2.328	1.362	1.238	1.238	1.205	1.188	1.172	1.156	1.143	1.132	1.123	1.114	1.105	1.096	1.088	1.072	1.056	1.040	1.024	1.008	0.992	0.976	0.960
Prior Study	2.010	1.202	1.112	1.112	1.081	1.069	1.061	1.055	1.051	1.047	1.044	1.042	1.040	1.038	1.032	1.027	1.026	1.025	1.021	1.014	1.011	1.006	1.003
Factors Selected	1.980	1.176	1.176	1.093	1.067	1.056	1.048	1.044	1.039	1.037	1.035	1.033	1.030	1.028	1.027	1.025	1.025	1.024	1.020	1.015	1.010	1.006	1.003
Percentage Paid																							
NCCI Factors ⁽¹⁾	42.96%	73.42%	80.78%	82.99%	84.18%	85.32%	86.51%	87.49%	88.34%	89.05%	89.77%	90.50%	91.24%	91.91%	92.41%	93.28%	94.70%	96.15%	97.66%	99.21%	100.81%	102.5%	104%
Factors Selected	50.51%	85.02%	91.46%	93.73%	94.70%	95.39%	95.82%	96.26%	96.44%	96.64%	96.79%	97.12%	97.31%	97.41%	97.53%	97.60%	97.60%	97.66%	98.00%	98.53%	99.05%	99.40%	99.73%

(1) From National Council on Compensation Insurance (NCCI) Annual Statistical Bulletin 2018 Edition

Exhibit 18
State Office of Risk Management

Workers Compensation Insurance Fund

Cumulative Paid Medical Claims

Estimate of Amounts Reportable After 8/31/22

Claim Year Ending	Paid to Ultimate Ratios																						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
8/78		1.584	1.395	1.285	1.216	1.168	1.115	1.097	1.087	1.083	1.080	1.077	1.071	1.066	1.055	1.046	1.040	1.035	1.032	1.026	1.024	1.020	1.000
8/79	3.920	1.973	1.686	1.503	1.422	1.380	1.355	1.324	1.291	1.268	1.259	1.250	1.247	1.244	1.232	1.226	1.221	1.216	1.204	1.189	1.176	1.149	1.060
8/80	3.922	1.831	1.583	1.477	1.404	1.370	1.340	1.301	1.235	1.215	1.191	1.173	1.158	1.150	1.138	1.120	1.106	1.087	1.076	1.061	1.057	1.053	1.021
8/81	3.218	1.568	1.329	1.232	1.186	1.136	1.114	1.098	1.088	1.080	1.061	1.058	1.057	1.056	1.055	1.053	1.052	1.045	1.038	1.035	1.033	1.028	1.009
8/82	2.918	1.529	1.302	1.177	1.116	1.090	1.067	1.058	1.048	1.038	1.029	1.026	1.024	1.021	1.021	1.020	1.020	1.019	1.018	1.017	1.017	1.017	1.015
8/83	3.499	1.728	1.505	1.363	1.294	1.200	1.157	1.129	1.112	1.100	1.086	1.076	1.069	1.064	1.058	1.052	1.044	1.039	1.034	1.025	1.021	1.016	1.000
8/84	3.713	1.741	1.482	1.349	1.272	1.223	1.191	1.162	1.136	1.122	1.111	1.102	1.094	1.086	1.077	1.066	1.059	1.051	1.047	1.043	1.040	1.038	1.002
8/85	3.956	1.745	1.436	1.275	1.217	1.171	1.137	1.102	1.077	1.066	1.057	1.050	1.045	1.039	1.034	1.028	1.022	1.018	1.015	1.012	1.011	1.010	1.000
8/86	4.069	1.816	1.410	1.284	1.209	1.164	1.128	1.109	1.091	1.084	1.077	1.072	1.067	1.053	1.045	1.038	1.033	1.022	1.020	1.018	1.015	1.013	1.000
8/87	5.382	1.800	1.501	1.355	1.268	1.222	1.191	1.166	1.147	1.129	1.107	1.095	1.085	1.080	1.075	1.069	1.064	1.060	1.058	1.055	1.049	1.047	1.000
8/88	5.990	2.567	2.019	1.751	1.631	1.566	1.515	1.481	1.453	1.417	1.390	1.360	1.333	1.307	1.281	1.255	1.234	1.214	1.193	1.175	1.153	1.142	1.000
8/89	4.716	1.901	1.472	1.334	1.245	1.188	1.152	1.128	1.109	1.077	1.067	1.059	1.052	1.047	1.040	1.035	1.032	1.028	1.024	1.022	1.019	1.015	1.000
8/90	4.465	1.786	1.449	1.306	1.228	1.176	1.148	1.124	1.110	1.093	1.079	1.068	1.060	1.056	1.048	1.044	1.039	1.034	1.023	1.017	1.011	1.010	1.000
8/91	3.942	1.761	1.459	1.339	1.263	1.209	1.173	1.147	1.126	1.095	1.071	1.052	1.045	1.038	1.031	1.025	1.021	1.017	1.014	1.010	1.007	1.005	1.000
8/92	4.236	1.991	1.631	1.495	1.404	1.338	1.285	1.245	1.202	1.164	1.140	1.122	1.106	1.085	1.072	1.061	1.051	1.042	1.034	1.025	1.021	1.017	1.000
8/93	3.843	1.941	1.628	1.490	1.392	1.323	1.268	1.202	1.150	1.117	1.096	1.077	1.067	1.059	1.053	1.042	1.035	1.027	1.022	1.014	1.011	1.010	1.000
8/94	4.186	2.028	1.651	1.482	1.386	1.302	1.225	1.166	1.128	1.099	1.082	1.065	1.052	1.041	1.030	1.023	1.017	1.013	1.009	1.006	1.004	1.003	1.000
8/95	3.843	1.899	1.578	1.417	1.330	1.237	1.175	1.117	1.091	1.071	1.057	1.045	1.032	1.024	1.019	1.015	1.011	1.009	1.007	1.005	1.004	1.003	1.002
8/96	4.148	2.003	1.639	1.477	1.358	1.272	1.212	1.173	1.147	1.121	1.101	1.086	1.072	1.063	1.050	1.042	1.034	1.027	1.018	1.015	1.012	1.008	1.004
8/97	4.431	2.123	1.714	1.516	1.408	1.335	1.274	1.232	1.205	1.184	1.162	1.140	1.118	1.098	1.080	1.066	1.053	1.040	1.029	1.019	1.010	1.001	1.000
8/98	4.462	2.054	1.597	1.414	1.315	1.265	1.225	1.196	1.174	1.151	1.132	1.118	1.104	1.082	1.072	1.066	1.059	1.053	1.045	1.035	1.026	1.020	1.012
8/99	4.458	1.752	1.395	1.264	1.187	1.149	1.123	1.105	1.092	1.072	1.054	1.045	1.033	1.027	1.022	1.016	1.012	1.011	1.007	1.005	1.003	1.002	1.001
8/00	3.423	1.579	1.301	1.192	1.147	1.116	1.092	1.074	1.059	1.045	1.036	1.029	1.020	1.018	1.015	1.010	1.008	1.006	1.003	1.002	1.001	1.001	1.000
8/01	3.775	1.697	1.328	1.232	1.176	1.139	1.107	1.084	1.060	1.047	1.037	1.029	1.021	1.016	1.013	1.010	1.009	1.007	1.005	1.004	1.003	1.003	1.000
8/02	3.316	1.400	1.197	1.113	1.081	1.059	1.043	1.034	1.029	1.021	1.017	1.013	1.011	1.009	1.008	1.007	1.007	1.006	1.006	1.006	1.006	1.003	1.000
8/03	4.258	2.086	1.750	1.634	1.533	1.441	1.373	1.329	1.289	1.252	1.224	1.203	1.182	1.151	1.124	1.097	1.068	1.052	1.028	1.010	1.010	1.006	1.000
8/04	3.075	1.350	1.205	1.146	1.105	1.075	1.061	1.048	1.036	1.028	1.024	1.021	1.020	1.018	1.018	1.017	1.016	1.016	1.015	1.015	1.010	1.008	1.000
8/05	2.875	1.482	1.257	1.170	1.105	1.081	1.064	1.053	1.043	1.034	1.031	1.029	1.025	1.023	1.021	1.021	1.021	1.021	1.021	1.021	1.021	1.020	1.012
8/06	2.526	1.381	1.191	1.109	1.078	1.064	1.054	1.041	1.033	1.031	1.029	1.028	1.027	1.025	1.024	1.024	1.024	1.024	1.024	1.024	1.024	1.023	1.001
8/07	2.355	1.308	1.150	1.095	1.073	1.057	1.050	1.046	1.040	1.038	1.036	1.031	1.029	1.027	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.000
8/08	2.333	1.289	1.157	1.112	1.086	1.068	1.055	1.048	1.037	1.034	1.031	1.027	1.026	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.000
8/09	2.200	1.222	1.101	1.068	1.045	1.040	1.033	1.031	1.029	1.028	1.027	1.027	1.027	1.027	1.027	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.000
8/10	2.317	1.305	1.184	1.116	1.089	1.067	1.057	1.049	1.044	1.039	1.036	1.031	1.028	1.027	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.000
8/11	1.990	1.201	1.099	1.062	1.047	1.043	1.041	1.039	1.038	1.037	1.036	1.030	1.028	1.027	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.000
8/12	2.169	1.227	1.126	1.090	1.077	1.058	1.050	1.037	1.035	1.034	1.033	1.030	1.028	1.027	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.000
8/13	2.005	1.238	1.113	1.071	1.052	1.045	1.038	1.036	1.035	1.035	1.033	1.030	1.028	1.027	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.000
8/14	2.201	1.190	1.083	1.058	1.045	1.041	1.040	1.038	1.037	1.037	1.036	1.031	1.028	1.027	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.000
8/15	2.017	1.202	1.104	1.072	1.060	1.049	1.043	1.039	1.037	1.037	1.036	1.030	1.028	1.027	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.000
8/16	2.137	1.236	1.095	1.058	1.049	1.046	1.044	1.039	1.037	1.037	1.036	1.030	1.028	1.027	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.000
8/17	1.920	1.139	1.077	1.058	1.052	1.049	1.049	1.039	1.037	1.037	1.036	1.030	1.028	1.027	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.000
8/18	1.748	1.151	1.085	1.063	1.057	1.049	1.049	1.039	1.037	1.037	1.036	1.030	1.028	1.027	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.000
8/19	1.792	1.153	1.090	1.068	1.057	1.049	1.049	1.039	1.037	1.037	1.036	1.030	1.028	1.027	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.000
8/20	2.165	1.163	1.095	1.063	1.057	1.049	1.049	1.039	1.037	1.037	1.036	1.030	1.028	1.027	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.000
8/21	2.066	1.181	1.095	1.063	1.057	1.049	1.049	1.039	1.037	1.037	1.036	1.030	1.028	1.027	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.000
8/22	2.197	1.181	1.095	1.063	1.057	1.049	1.049	1.039	1.037	1.037	1.036	1.030	1.028	1.027	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.000

Exhibit 18
State Office of Risk Management

Workers Compensation Insurance Fund

Cumulative Paid Medical Claims

Estimate of Amounts Reportable After 8/31/22

Mean	2.215	1.290	1.166	1.126	1.103	1.089	1.084	1.082	1.077	1.068	1.062	1.057	1.052	1.045	1.039	1.034	1.030	1.036	1.039	1.036	1.030	1.024	1.021	1.019	1.002
Std Dev	0.331	0.21226	0.15038	0.13098	0.10983	0.09113	0.08326	0.08121	0.07309	0.06332	0.05523	0.04932	0.04518	0.0363	0.02969	0.02405	0.0203	0.04625	0.05066	0.04625	0.04203	0.03865	0.03431	0.03212	0.0043
t _{0.9}	8/22	8/21	8/20	8/19	8/18	8/17	8/16	8/15	8/14	8/13	8/12	8/11	8/10	8/09	8/08	8/07	8/06	8/05	8/06	8/05	8/04	8/03	8/02	8/01	
ConfInt/2	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	
LDF(90%CI)	0.4397	0.2824	0.2001	0.1743	0.1461	0.1212	0.1108	0.1080	0.0972	0.0842	0.0735	0.0656	0.0601	0.0483	0.0395	0.0320	0.0674	0.0615	0.0674	0.0615	0.0559	0.0514	0.0456	0.0427	
Paid	2.65483	1.57195	1.36632	1.30021	1.24894	1.21007	1.19446	1.19012	1.17413	1.15266	1.13578	1.12217	1.11258	1.09335	1.07892	1.06599	1.10688	1.09743	1.0688	1.09743	1.08545	1.07541	1.06712	1.06182	
Ult Incurred	14.048	15.240	16.502	17.096	17.956	21.277	19.346	18.874	19.231	18.548	21.389	22.271	19.467	21.246	19.004	18.387	23.411	23.623	23.411	23.623	41.805	36.534	37.669	35.629	
(90% CI)	37.294	23.957	22.547	22.228	22.426	25.747	23.109	22.462	22.580	21.380	24.294	24.992	21.658	23.230	20.504	19.600	25.913	25.925	25.913	25.925	45.377	39.289	40.197	37.831	
Ult Incurred	16.590	16.694	17.620	18.065	18.832	22.211	20.103	19.575	19.904	19.167	22.026	22.890	19.988	21.786	19.473	18.829	23.891	23.978	23.891	23.978	42.203	36.757	37.770	35.629	
(50% CI)	20.704	7.263	4.927	4.163	3.595	3.535	3.006	2.887	2.675	2.212	2.267	2.102	1.670	1.444	1.031	771	2.022	1.947	2.022	1.947	3.174	2.532	2.427	2.203	
Delta																									
t _{0.75}	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	
ConfInt/2	0.2275	0.1461	0.1035	0.0902	0.0756	0.0627	0.0573	0.0559	0.0503	0.0436	0.0380	0.0340	0.0311	0.0250	0.0204	0.0166	0.0349	0.0318	0.0349	0.0318	0.0289	0.0266	0.0236	0.0221	
LDF(75%CI)	2.44263	1.43567	1.26978	1.21612	1.17842	1.15156	1.141	1.13798	1.1272	1.11201	1.10032	1.09051	1.08357	1.07004	1.05985	1.05055	1.07435	1.06774	1.05847	1.0506	1.05847	1.0506	1.04509	1.0412	
Paid	14.048	15.240	16.502	17.096	17.956	21.277	19.346	18.874	19.231	18.548	21.389	22.271	19.467	21.246	19.004	18.387	23.411	23.623	23.411	23.623	41.805	36.534	37.669	35.629	
Ult Incurred	34.313	21.880	20.954	20.790	21.160	24.502	22.074	21.478	21.677	20.626	23.535	24.286	21.094	22.735	20.142	19.316	25.151	25.224	25.151	25.224	44.249	38.383	39.368	37.096	
(75% CI)																									
Ult Incurred	16.590	16.694	17.620	18.065	18.832	22.211	20.103	19.575	19.904	19.167	22.026	22.890	19.988	21.786	19.473	18.829	23.891	23.978	23.891	23.978	42.203	36.757	37.770	35.629	
(50% CI)	17.723	5.186	3.334	2.725	2.328	2.291	1.972	1.903	1.773	1.458	1.509	1.397	1.106	949	668	488	1.260	1.246	1.260	1.246	2.046	1.626	1.597	1.468	
Delta																									
t _{0.6}	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	
ConfInt/2	0.0850	0.0546	0.0387	0.0337	0.0282	0.0234	0.0214	0.0209	0.0188	0.0163	0.0142	0.0127	0.0116	0.0093	0.0076	0.0062	0.0130	0.0119	0.0130	0.0119	0.0108	0.0099	0.0088	0.0083	
LDF(60%CI)	2.30009	1.34414	1.20493	1.15963	1.13106	1.11227	1.1051	1.10296	1.09568	1.0847	1.0765	1.06924	1.06409	1.05438	1.04705	1.04018	1.0525	1.0478	1.04035	1.03393	1.03029	1.03029	1.02734	1.02734	
Paid	14.048	15.240	16.502	17.096	17.956	21.277	19.346	18.874	19.231	18.548	21.389	22.271	19.467	21.246	19.004	18.387	23.411	23.623	23.411	23.623	41.805	36.534	37.669	35.629	
Ult Incurred	32.311	20.485	19.884	19.825	20.310	23.666	21.380	20.817	21.071	20.119	23.026	23.813	20.714	22.402	19.898	19.126	24.640	24.753	24.640	24.753	43.491	37.774	38.810	36.603	
(60% CI)																									
Ult Incurred	16.590	16.694	17.620	18.065	18.832	22.211	20.103	19.575	19.904	19.167	22.026	22.890	19.988	21.786	19.473	18.829	23.891	23.978	23.891	23.978	42.203	36.757	37.770	35.629	
(50% CI)	15.721	3.791	2.264	1.759	1.478	1.454	1.277	1.242	1.167	952	999	923	727	616	425	297	749	774	749	774	1.288	1.017	1.040	974	
Delta																									
t _{0.5}	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
ConfInt/2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
LDF(50%CI)	2.21511	1.28956	1.16626	1.12595	1.10282	1.08884	1.08369	1.08208	1.07688	1.06842	1.0623	1.05656	1.05247	1.04505	1.03941	1.03399	1.03948	1.03591	1.02954	1.02399	1.02147	1.02147	1.01908	1.01908	
Paid	14.048	15.240	16.502	17.096	17.956	21.277	19.346	18.874	19.231	18.548	21.389	22.271	19.467	21.246	19.004	18.387	23.411	23.623	23.411	23.623	41.805	36.534	37.669	35.629	
Ult Incurred	31.117	19.653	19.246	19.249	19.803	23.167	20.966	20.423	20.709	19.817	22.722	23.530	20.488	22.204	19.753	19.012	24.335	24.472	24.335	24.472	43.040	37.411	38.478	36.309	
(50% CI)																									
Ult Incurred	16.590	16.694	17.620	18.065	18.832	22.211	20.103	19.575	19.904	19.167	22.026	22.890	19.988	21.786	19.473	18.829	23.891	23.978	23.891	23.978	42.203	36.757	37.770	35.629	
(50% CI)	14.527	2.959	1.626	1.184	971	956	863	848	805	650	696	640	500	418	280	183	444	493	444	493	836	654	707	680	
Delta																									
*Values from Student's t Distribution for 50%, 60%, 75% and 90% Confidence																									

Exhibit 19
State Office of Risk Management
Workers Compensation Insurance Fund
Cumulative Paid Claims - All Components
Estimate of Amounts Reportable After 8/31/22

Claim Year Ending	12 Month Lag Periods																											
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22					
8/75					203	240	248	264	274	281	302	319	321	333	333	333	333	337	337	337	337	338	338	383				
8/76				2,703	2,877	2,973	3,049	3,105	3,155	3,196	3,231	3,292	3,310	3,325	3,395	3,427	3,439	3,452	3,460	3,469	3,477	3,488	3,615					
8/77			4,065	4,541	4,758	4,887	5,054	5,161	5,211	5,241	5,265	5,295	5,317	5,351	5,381	5,420	5,448	5,484	5,515	5,535	5,549	5,564	5,732					
8/78		4,560	5,587	6,135	6,541	6,817	7,067	7,199	7,255	7,282	7,306	7,328	7,362	7,390	7,435	7,476	7,505	7,535	7,557	7,583	7,599	7,620	7,877					
8/79	1,863	4,587	5,753	6,477	6,854	7,468	7,671	7,834	7,946	8,011	8,045	8,073	8,081	8,089	8,126	8,142	8,156	8,172	8,204	8,246	8,285	8,365	8,661					
8/80	2,144	5,290	6,741	7,447	7,897	8,175	8,406	8,597	8,905	9,044	9,138	9,213	9,281	9,320	9,390	9,464	9,521	9,599	9,643	9,707	9,726	9,740	9,881					
8/81	2,363	5,644	7,218	8,096	8,456	8,800	8,977	9,152	9,273	9,351	9,465	9,509	9,538	9,566	9,596	9,627	9,657	9,718	9,774	9,814	9,843	9,880	10,099					
8/82	2,909	6,489	8,421	9,657	10,760	11,104	11,391	11,568	11,679	11,777	11,851	11,890	11,926	11,965	11,993	12,018	12,044	12,064	12,084	12,104	12,123	12,140	12,292					
8/83	3,094	7,271	9,185	10,702	11,434	12,169	12,596	12,860	12,999	13,090	13,213	13,288	13,346	13,396	13,453	13,511	13,576	13,626	13,674	13,748	13,792	13,838	14,217					
8/84	4,357	10,949	14,583	16,764	18,004	18,787	19,293	19,807	20,202	20,354	20,479	20,589	20,674	20,769	20,862	20,974	21,061	21,145	21,197	21,250	21,281	21,311	21,778					
8/85	4,299	11,725	15,644	18,546	20,064	20,824	21,552	22,035	22,338	22,455	22,546	22,641	22,717	22,781	22,834	22,901	22,974	23,012	23,043	23,067	23,077	23,083	23,186					
8/86	5,416	13,695	19,423	22,069	23,992	25,370	26,417	27,142	27,433	27,591	27,699	27,816	27,906	28,107	28,229	28,341	28,431	28,495	28,649	28,709	28,781	28,834	29,513					
8/87	5,177	17,146	22,710	26,046	28,197	29,396	30,172	30,708	30,992	31,252	31,523	31,671	31,795	31,865	31,928	31,997	32,068	32,116	32,146	32,191	32,268	32,302	32,968					
8/88	7,378	20,105	27,919	33,157	35,981	37,725	38,947	39,568	39,987	40,526	40,946	41,425	41,865	42,310	42,746	43,225	43,603	44,007	44,421	44,784	45,229	45,475	49,038					
8/89	9,172	25,470	35,833	40,906	43,588	45,835	46,986	47,820	48,312	49,002	49,278	49,474	49,760	49,900	50,074	50,200	50,404	50,518	50,623	50,686	50,779	50,906	51,492					
8/90	10,315	30,654	41,781	47,430	51,542	53,543	54,626	55,438	55,857	56,321	56,735	57,044	57,320	57,457	57,714	57,971	58,127	58,282	58,609	58,801	58,987	59,067	59,725					
8/91	12,340	29,446	37,456	41,337	43,946	45,753	47,031	48,054	48,710	49,492	50,129	50,633	50,859	51,105	51,334	51,528	51,691	51,837	51,951	52,087	52,191	52,277	52,535					
8/92	12,573	28,555	36,102	39,470	41,918	43,745	45,250	46,459	47,525	48,444	49,090	49,588	50,056	50,670	51,086	51,436	51,785	52,095	52,396	52,721	52,924	53,109	54,091					
8/93	12,436	26,964	33,384	36,692	39,016	41,011	42,561	44,345	45,603	46,462	47,020	47,520	47,850	48,106	48,336	48,671	48,935	49,190	49,379	49,635	49,750	49,833	50,249					
8/94	12,844	29,510	37,229	41,126	43,620	45,785	47,890	49,701	50,801	51,713	52,214	52,714	53,149	53,527	53,896	54,149	54,358	54,526	54,685	54,816	54,902	54,982	55,141					
8/95	13,836	30,578	37,924	42,099	44,560	47,105	49,081	51,046	51,916	52,557	53,057	53,483	53,957	54,266	54,508	54,722	54,909	55,050	55,165	55,272	55,347	55,415	55,770					
8/96	13,150	29,138	36,484	40,464	43,404	45,786	47,679	49,146	49,932	50,676	51,264	51,666	52,084	52,338	52,745	52,989	53,233	53,449	53,723	53,823	53,936	54,058	54,317					
8/97	11,812	27,582	35,745	40,294	43,128	45,420	47,536	49,203	50,116	50,727	51,381	52,063	52,790	53,451	54,115	54,583	55,052	55,499	55,922	56,308	56,666	57,012	57,110					
8/98	12,216	29,457	38,659	43,299	46,174	48,120	49,706	50,847	51,510	52,159	52,710	53,149	53,582	54,260	54,593	54,815	55,079	55,337	55,628	55,983	56,277	56,505	57,260					
8/99	12,621	34,111	44,152	48,784	51,751	53,501	54,880	55,837	56,355	56,999	57,609	57,946	58,395	58,644	58,879	59,131	59,308	59,417	59,585	59,655	59,759	59,811	59,934					
8/00	15,525	37,500	47,487	52,305	54,526	56,234	57,522	58,437	59,102	59,702	60,360	60,827	61,345	61,625	61,923	62,320	62,608	62,882	63,174	63,417	63,640	63,875	64,101					
8/01	15,591	37,648	48,772	52,626	54,932	56,536	57,948	58,955	59,801	60,288	60,668	60,979	61,304	61,502	61,657	61,769	61,854	61,958	62,056	62,117	62,172	62,226						
8/02	17,402	43,020	52,072	55,759	57,251	58,270	58,988	59,396	59,625	59,903	60,045	60,169	60,263	60,334	60,370	60,386	60,399	60,425	60,430	60,431	60,430							
8/03	15,611	34,572	42,282	45,247	47,432	49,590	51,484	52,815	53,941	54,989	55,851	56,530	57,211	58,258	59,189	60,177	61,269	61,973	62,968	63,784								
8/04	12,572	30,314	34,948	36,616	37,667	38,440	38,883	39,312	39,743	40,012	40,160	40,297	40,410	40,513	40,606	40,707	40,796	40,886	40,984									
8/05	13,344	28,709	34,296	36,376	37,978	38,780	39,427	39,895	40,246	40,538	40,667	40,773	40,933	41,031	41,128	41,180	41,223	41,251										
8/06	12,005	23,880	28,109	29,803	30,512	30,895	31,194	31,527	31,767	31,892	32,012	32,115	32,218	32,329	32,420	32,514	32,602											
8/07	12,922	25,793	30,509	31,969	32,617	33,146	33,460	33,703	33,913	34,061	34,151	34,288	34,398	34,496	34,599	34,689												
8/08	14,425	28,918	33,235	34,911	35,722	36,324	36,765	37,071	37,419	37,732	37,887	38,066	38,165	38,245	38,321													
8/09	14,072	27,942	31,953	33,162	33,932	34,297	34,678	34,915	35,046	35,148	35,233	35,304	35,382	35,454														
8/10	15,196	29,617	33,567	35,529	36,441	37,192	37,628	37,976	38,636	38,855	39,039	39,265	39,461															
8/11	16,416	30,442	34,269	35,845	36,586	37,150	37,623	37,978	38,234	38,452	38,671	38,995																
8/12	13,103	25,626	28,940	30,213	30,760	31,314	31,699	32,127	32,300	32,410	32,486																	
8/13</																												

Exhibit 19
State Office of Risk Management
Workers Compensation Insurance Fund
Cumulative Paid Claims - All Components
Estimate of Amounts Reportable After 8/31/22

Claim Year Ending	Period to Period Ratios																						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
8/78	1.000		1.225	1.098	1.066	1.042	1.037	1.019	1.008	1.004	1.003	1.003	1.005	1.004	1.006	1.006	1.004	1.004	1.003	1.004	1.002	1.003	1.034
8/79	1.000	2.463	1.254	1.126	1.058	1.089	1.027	1.021	1.014	1.008	1.004	1.003	1.001	1.001	1.005	1.002	1.002	1.002	1.004	1.005	1.005	1.010	1.035
8/80	1.000	2.468	1.274	1.105	1.060	1.035	1.028	1.023	1.036	1.016	1.010	1.008	1.007	1.004	1.007	1.008	1.006	1.008	1.005	1.007	1.002	1.001	1.015
8/81	1.000	2.389	1.279	1.122	1.045	1.041	1.020	1.020	1.013	1.008	1.012	1.005	1.003	1.003	1.003	1.003	1.003	1.006	1.006	1.004	1.003	1.004	1.022
8/82	1.000	2.231	1.298	1.147	1.114	1.032	1.026	1.016	1.010	1.008	1.006	1.003	1.003	1.004	1.004	1.004	1.005	1.004	1.003	1.005	1.003	1.001	1.013
8/83	1.000	2.350	1.263	1.165	1.068	1.064	1.035	1.021	1.011	1.007	1.009	1.006	1.004	1.004	1.004	1.004	1.005	1.004	1.003	1.005	1.003	1.003	1.027
8/84	1.000	2.513	1.332	1.150	1.074	1.044	1.027	1.027	1.020	1.008	1.006	1.005	1.004	1.005	1.004	1.005	1.004	1.004	1.002	1.002	1.001	1.001	1.022
8/85	1.000	2.727	1.334	1.185	1.082	1.038	1.035	1.022	1.014	1.005	1.004	1.004	1.003	1.003	1.002	1.003	1.003	1.002	1.001	1.001	1.000	1.000	1.004
8/86	1.000	2.528	1.418	1.136	1.087	1.057	1.041	1.027	1.011	1.006	1.004	1.004	1.003	1.007	1.004	1.004	1.003	1.006	1.002	1.002	1.003	1.002	1.024
8/87	1.000	3.312	1.325	1.147	1.083	1.043	1.026	1.018	1.009	1.008	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.001	1.001	1.001	1.002	1.001	1.021
8/88	1.000	2.725	1.389	1.188	1.085	1.048	1.032	1.016	1.011	1.013	1.010	1.012	1.011	1.011	1.010	1.011	1.009	1.009	1.009	1.008	1.010	1.005	1.078
8/89	1.000	2.777	1.407	1.142	1.066	1.052	1.025	1.018	1.010	1.014	1.006	1.004	1.006	1.003	1.003	1.003	1.004	1.002	1.002	1.001	1.002	1.003	1.012
8/90	1.000	2.972	1.363	1.135	1.087	1.039	1.020	1.015	1.008	1.008	1.007	1.005	1.005	1.002	1.004	1.004	1.003	1.003	1.006	1.003	1.003	1.001	1.011
8/91	1.000	2.386	1.272	1.104	1.063	1.041	1.028	1.022	1.014	1.016	1.013	1.010	1.004	1.005	1.004	1.004	1.003	1.003	1.002	1.003	1.002	1.002	1.005
8/92	1.000	2.271	1.264	1.093	1.062	1.044	1.034	1.027	1.023	1.019	1.013	1.010	1.009	1.012	1.008	1.007	1.007	1.006	1.006	1.006	1.004	1.004	1.018
8/93	1.000	2.168	1.238	1.099	1.063	1.051	1.038	1.042	1.028	1.019	1.012	1.011	1.007	1.005	1.005	1.007	1.005	1.005	1.004	1.005	1.002	1.002	1.008
8/94	1.000	2.298	1.262	1.105	1.061	1.050	1.046	1.038	1.022	1.018	1.010	1.010	1.008	1.007	1.007	1.005	1.004	1.003	1.003	1.002	1.002	1.001	1.003
8/95	1.000	2.210	1.240	1.110	1.058	1.057	1.042	1.040	1.017	1.012	1.010	1.008	1.009	1.006	1.004	1.004	1.003	1.003	1.002	1.002	1.001	1.001	1.006
8/96	1.000	2.216	1.252	1.109	1.073	1.055	1.041	1.031	1.016	1.015	1.012	1.008	1.008	1.005	1.008	1.005	1.005	1.004	1.005	1.002	1.002	1.002	1.005
8/97	1.000	2.335	1.296	1.127	1.070	1.053	1.047	1.035	1.019	1.012	1.013	1.013	1.014	1.013	1.012	1.009	1.009	1.008	1.008	1.007	1.006	1.006	1.002
8/98	1.000	2.411	1.312	1.120	1.066	1.042	1.033	1.023	1.013	1.013	1.011	1.008	1.008	1.013	1.006	1.004	1.003	1.002	1.003	1.006	1.005	1.004	1.013
8/99	1.000	2.703	1.294	1.105	1.061	1.034	1.026	1.017	1.009	1.011	1.011	1.006	1.008	1.004	1.004	1.004	1.003	1.002	1.003	1.001	1.002	1.001	1.002
8/00	1.000	2.415	1.266	1.101	1.042	1.031	1.023	1.016	1.011	1.010	1.011	1.008	1.009	1.005	1.005	1.006	1.005	1.004	1.005	1.004	1.004	1.004	1.004
8/01	1.000	2.415	1.295	1.079	1.044	1.029	1.025	1.017	1.014	1.008	1.006	1.005	1.005	1.003	1.003	1.002	1.001	1.002	1.002	1.001	1.001	1.001	
8/02	1.000	2.472	1.210	1.071	1.027	1.018	1.012	1.007	1.004	1.005	1.002	1.002	1.002	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
8/03	1.000	2.215	1.223	1.070	1.048	1.045	1.038	1.026	1.021	1.019	1.016	1.012	1.012	1.018	1.016	1.017	1.018	1.011	1.016	1.013			
8/04	1.000	2.411	1.153	1.048	1.029	1.021	1.012	1.011	1.011	1.007	1.004	1.003	1.003	1.003	1.002	1.002	1.002	1.002	1.002	1.013			
8/05	1.000	2.152	1.195	1.061	1.044	1.021	1.017	1.012	1.009	1.007	1.003	1.003	1.004	1.002	1.002	1.001	1.001	1.001	1.002				
8/06	1.000	1.989	1.177	1.060	1.024	1.013	1.010	1.011	1.008	1.004	1.004	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.002	1.001	1.001	1.001	
8/07	1.000	1.996	1.183	1.048	1.020	1.016	1.009	1.007	1.006	1.004	1.003	1.004	1.003	1.003	1.003	1.003	1.003	1.004	1.003	1.003	1.004	1.004	
8/08	1.000	2.005	1.149	1.050	1.023	1.017	1.012	1.008	1.009	1.008	1.004	1.005	1.003	1.002	1.002	1.002	1.000	1.002	1.002	1.001	1.001	1.001	
8/09	1.000	1.986	1.144	1.038	1.023	1.011	1.011	1.007	1.004	1.003	1.002	1.002	1.002	1.002	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
8/10	1.000	1.949	1.133	1.058	1.026	1.021	1.012	1.009	1.017	1.006	1.005	1.006	1.005	1.002	1.002	1.002	1.002	1.002	1.002	1.013			
8/11	1.000	1.854	1.126	1.046	1.021	1.015	1.013	1.009	1.007	1.006	1.006	1.008	1.005	1.003	1.002	1.001	1.001	1.001	1.002				
8/12	1.000	1.956	1.129	1.044	1.018	1.018	1.012	1.013	1.005	1.003	1.002	1.003	1.004	1.002	1.002	1.001	1.001	1.001	1.002				
8/13	1.000	1.830	1.163	1.045	1.018	1.009	1.007	1.003	1.001	1.000													
8/14	1.000	2.051	1.152	1.036	1.018	1.008	1.006	1.005	1.002														
8/15	1.000	1.930	1.152	1.045	1.019	1.015	1.013	1.012	1.005	1.002	1.002	1.002	1.002	1.002	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
8/16	1.000	1.975	1.167	1.044	1.012	1.008	1.009	1.012	1.004	1.003	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	
8/17	1.000	1.945	1.125	1.029	1.013	1.009	1.009	1.009	1.007	1.006	1.006	1.006	1.005	1.003	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	
8/18	1.000	1.760	1.119	1.043	1.023	1.023	1.023	1.013	1.005	1.003	1.002	1.008	1.005	1.003	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	
8/19	1.000	1.817	1.131	1.040																			
8/20	1.000	2.126	1.147																				
8/21	1.000	2.080																					
8/22	1.000																						

Exhibit 19
State Office of Risk Management
Workers Compensation Insurance Fund
Cumulative Paid Claims - All Components
Estimate of Amounts Reportable After 8/31/22

Method	Age to Age Development Factors																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
Aggregate	1.000	2.217	1.230	1.088	1.048	1.033	1.025	1.019	1.013	1.010	1.008	1.007	1.006	1.006	1.005	1.005	1.005	1.004	1.004	1.004	1.004	1.003	1.002	1.014
Average	1.000	2.274	1.236	1.093	1.050	1.038	1.025	1.020	1.013	1.010	1.009	1.008	1.006	1.006	1.005	1.005	1.004	1.004	1.004	1.004	1.004	1.003	1.003	1.022
Truncated	1.000	2.261	1.234	1.092	1.049	1.035	1.025	1.019	1.013	1.010	1.008	1.007	1.006	1.005	1.005	1.005	1.004	1.004	1.004	1.004	1.003	1.002	1.019	
Inverted	1.000	2.231	1.230	1.091	1.050	1.037	1.025	1.020	1.013	1.010	1.009	1.008	1.006	1.006	1.005	1.005	1.004	1.004	1.004	1.004	1.003	1.003	1.022	
Trunc Last 8	1.000	1.966	1.145	1.042	1.018	1.012	1.011	1.008	1.006	1.004	1.003	1.004	1.003	1.003	1.002	1.003	1.002	1.003	1.004	1.004	1.002	1.002	1.005	
Last 8	1.000	1.961	1.145	1.041	1.018	1.013	1.010	1.008	1.006	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.003	1.005	1.004	1.003	1.003	1.005	
Last 7	1.000	1.948	1.142	1.040	1.017	1.012	1.010	1.008	1.007	1.004	1.004	1.004	1.003	1.005	1.004	1.004	1.004	1.003	1.005	1.005	1.003	1.003	1.005	
Trunc Last 6	1.000	1.954	1.139	1.041	1.017	1.010	1.010	1.009	1.005	1.004	1.003	1.004	1.003	1.002	1.003	1.002	1.002	1.002	1.003	1.003	1.003	1.003	1.004	
Last 6	1.000	1.951	1.140	1.040	1.017	1.011	1.010	1.009	1.006	1.004	1.004	1.005	1.003	1.003	1.005	1.004	1.004	1.003	1.005	1.004	1.003	1.003	1.005	
Last 5	1.000	1.946	1.138	1.040	1.017	1.010	1.010	1.009	1.007	1.004	1.004	1.005	1.003	1.003	1.002	1.005	1.005	1.003	1.005	1.004	1.002	1.003	1.005	
Last 4	1.000	1.946	1.130	1.039	1.017	1.010	1.009	1.008	1.004	1.004	1.004	1.005	1.003	1.003	1.003	1.002	1.006	1.004	1.005	1.004	1.002	1.002	1.005	
Last 3	1.000	2.008	1.132	1.037	1.016	1.011	1.009	1.007	1.003	1.003	1.004	1.005	1.003	1.002	1.003	1.002	1.002	1.005	1.006	1.005	1.001	1.002	1.006	
Last 2	1.000	2.103	1.139	1.041	1.018	1.008	1.011	1.009	1.002	1.002	1.004	1.007	1.004	1.002	1.002	1.003	1.002	1.001	1.009	1.006	1.000	1.002	1.003	
Wtd Avg	1.000	2.048	1.138	1.040	1.018	1.009	1.010	1.009	1.002	1.002	1.004	1.007	1.004	1.002	1.002	1.003	1.003	1.003	1.006	1.007	1.001	1.002	1.004	
Geometric	1.000	2.252	1.233	1.092	1.050	1.037	1.025	1.020	1.013	1.010	1.009	1.008	1.006	1.006	1.005	1.005	1.004	1.004	1.004	1.004	1.003	1.003	1.022	
NCCI Factors ⁽¹⁾	1.000	1.886	1.162	1.049	1.023	1.019	1.017	1.015	1.011	1.009	1.009	1.008	1.008	1.007	1.013	1.013	1.013	1.013	1.013	1.014	1.014	1.014	0.995	
Prior Study	1.000	1.926	1.141	1.040	1.016	1.012	1.011	1.008	1.007	1.005	1.004	1.004	1.003	1.005	1.005	1.004	1.005	1.004	1.005	1.003	1.003	1.003	1.003	
Factors Selected	1.000	1.951	1.140	1.040	1.017	1.011	1.010	1.009	1.006	1.004	1.004	1.005	1.003	1.003	1.005	1.004	1.004	1.003	1.005	1.004	1.003	1.003	1.005	
Age to Ultimate Development Factors																								
NCCI Factors ⁽¹⁾	2.880	1.527	1.314	1.253	1.253	1.225	1.202	1.182	1.165	1.152	1.142	1.132	1.123	1.114	1.106	1.092	1.078	1.064	1.051	1.037	1.023	1.009	0.995	
Prior Study	2.548	1.323	1.160	1.115	1.115	1.097	1.084	1.073	1.064	1.057	1.051	1.047	1.043	1.040	1.035	1.030	1.026	1.021	1.017	1.012	1.009	1.006	1.003	
Factors Selected	2.575	1.320	1.158	1.114	1.114	1.095	1.084	1.073	1.063	1.057	1.052	1.049	1.044	1.040	1.038	1.033	1.028	1.024	1.020	1.016	1.011	1.008	1.005	
Percentage Paid																								
NCCI Factors ⁽¹⁾	34.72%	65.49%	76.10%	79.81%	79.81%	81.63%	83.19%	84.60%	85.84%	86.81%	87.57%	88.34%	89.05%	89.77%	90.42%	91.56%	92.74%	93.95%	95.19%	96.47%	97.78%	99.1%	101%	
Factors Selected	38.83%	75.74%	86.35%	89.77%	89.77%	91.29%	92.29%	93.23%	94.04%	94.61%	95.02%	95.37%	95.81%	96.13%	96.38%	96.84%	97.26%	97.68%	98.02%	98.47%	98.88%	99.18%	99.47%	

(1) From National Council on Compensation Insurance (NCCI) Annual Statistical Bulletin 2013 Edition

Exhibit 19
State Office of Risk Management
Workers Compensation Insurance Fund
Cumulative Paid Claims - All Components
Estimate of Amounts Reportable After 8/31/22

Claim Year Ending	Paid to Ultimate Ratios																						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
8/78		1.728	1.410	1.284	1.204	1.155	1.115	1.094	1.086	1.082	1.078	1.075	1.070	1.066	1.059	1.054	1.050	1.045	1.042	1.039	1.037	1.034	1.000
8/79	4.875	1.979	1.578	1.402	1.325	1.216	1.184	1.159	1.143	1.133	1.129	1.125	1.124	1.122	1.117	1.115	1.113	1.111	1.107	1.101	1.096	1.085	1.048
8/80	4.716	1.911	1.500	1.357	1.280	1.237	1.203	1.176	1.135	1.118	1.106	1.097	1.089	1.085	1.077	1.068	1.062	1.053	1.048	1.041	1.039	1.038	1.023
8/81	4.318	1.807	1.413	1.260	1.206	1.159	1.136	1.115	1.100	1.091	1.078	1.073	1.070	1.066	1.063	1.060	1.056	1.050	1.044	1.039	1.036	1.033	1.010
8/82	4.298	1.927	1.485	1.295	1.162	1.126	1.098	1.081	1.071	1.062	1.055	1.052	1.048	1.045	1.043	1.040	1.038	1.036	1.035	1.033	1.031	1.030	1.017
8/83	4.594	1.955	1.548	1.328	1.243	1.168	1.129	1.106	1.094	1.086	1.076	1.070	1.065	1.061	1.057	1.052	1.047	1.043	1.040	1.034	1.031	1.027	1.000
8/84	5.009	1.994	1.497	1.302	1.212	1.162	1.131	1.102	1.080	1.072	1.066	1.060	1.056	1.051	1.046	1.041	1.036	1.032	1.030	1.027	1.026	1.024	1.002
8/85	5.393	1.977	1.482	1.250	1.156	1.113	1.076	1.052	1.038	1.033	1.028	1.024	1.021	1.018	1.015	1.012	1.009	1.008	1.006	1.005	1.005	1.004	1.000
8/86	5.449	2.155	1.520	1.337	1.230	1.163	1.117	1.087	1.076	1.070	1.065	1.061	1.058	1.050	1.046	1.041	1.038	1.032	1.030	1.028	1.025	1.024	1.000
8/87	6.369	1.923	1.452	1.266	1.169	1.122	1.093	1.074	1.064	1.055	1.046	1.041	1.037	1.035	1.033	1.030	1.028	1.027	1.026	1.024	1.022	1.021	1.000
8/88	6.646	2.439	1.756	1.479	1.363	1.300	1.259	1.239	1.226	1.210	1.198	1.184	1.171	1.159	1.147	1.134	1.125	1.114	1.104	1.095	1.084	1.078	1.000
8/89	5.614	2.022	1.437	1.259	1.181	1.123	1.096	1.077	1.066	1.051	1.045	1.041	1.035	1.032	1.028	1.026	1.022	1.019	1.017	1.016	1.014	1.012	1.000
8/90	5.790	1.948	1.429	1.259	1.159	1.115	1.093	1.077	1.069	1.060	1.053	1.047	1.042	1.039	1.035	1.030	1.028	1.027	1.025	1.019	1.016	1.014	1.000
8/91	4.257	1.784	1.403	1.271	1.195	1.148	1.117	1.093	1.079	1.061	1.048	1.038	1.033	1.028	1.023	1.020	1.016	1.013	1.011	1.009	1.007	1.005	1.000
8/92	4.302	1.894	1.498	1.370	1.290	1.236	1.195	1.164	1.138	1.117	1.102	1.091	1.081	1.068	1.059	1.052	1.045	1.038	1.032	1.026	1.022	1.018	1.000
8/93	4.041	1.864	1.505	1.369	1.288	1.225	1.181	1.133	1.102	1.082	1.069	1.057	1.050	1.045	1.040	1.032	1.027	1.022	1.018	1.012	1.010	1.008	1.000
8/94	4.293	1.869	1.481	1.341	1.264	1.204	1.151	1.109	1.085	1.066	1.056	1.046	1.037	1.030	1.023	1.018	1.014	1.011	1.008	1.006	1.004	1.003	1.000
8/95	4.031	1.824	1.471	1.325	1.252	1.184	1.136	1.093	1.074	1.061	1.051	1.043	1.034	1.028	1.023	1.019	1.016	1.013	1.011	1.009	1.008	1.006	1.000
8/96	4.131	1.864	1.489	1.342	1.251	1.186	1.139	1.105	1.088	1.072	1.060	1.051	1.043	1.038	1.030	1.025	1.020	1.016	1.011	1.009	1.007	1.005	1.000
8/97	4.835	2.071	1.598	1.417	1.324	1.257	1.201	1.161	1.140	1.126	1.111	1.097	1.082	1.068	1.055	1.046	1.037	1.029	1.021	1.014	1.008	1.002	1.000
8/98	4.687	1.944	1.481	1.322	1.240	1.190	1.152	1.126	1.112	1.098	1.086	1.077	1.069	1.055	1.049	1.045	1.040	1.035	1.029	1.023	1.017	1.013	1.000
8/99	4.749	1.757	1.357	1.229	1.158	1.120	1.092	1.073	1.063	1.051	1.040	1.034	1.026	1.022	1.018	1.014	1.011	1.009	1.006	1.005	1.003	1.002	1.000
8/00	4.129	1.709	1.350	1.226	1.176	1.140	1.114	1.097	1.085	1.074	1.062	1.054	1.045	1.040	1.035	1.029	1.024	1.019	1.015	1.011	1.007	1.004	1.000
8/01	4.012	1.662	1.283	1.189	1.139	1.106	1.080	1.061	1.046	1.038	1.031	1.026	1.020	1.017	1.015	1.013	1.011	1.010	1.008	1.007	1.006	1.005	1.000
8/02	3.501	1.416	1.170	1.093	1.064	1.046	1.033	1.026	1.022	1.017	1.015	1.013	1.011	1.010	1.009	1.009	1.009	1.008	1.008	1.008	1.008	1.005	1.000
8/03	4.132	1.866	1.525	1.425	1.360	1.301	1.253	1.221	1.196	1.173	1.155	1.141	1.127	1.107	1.090	1.072	1.053	1.041	1.024	1.011	1.008	1.005	1.000
8/04	3.311	1.373	1.191	1.137	1.105	1.083	1.070	1.059	1.047	1.040	1.036	1.033	1.030	1.027	1.025	1.022	1.020	1.018	1.016	1.016	1.018	1.013	1.000
8/05	3.154	1.466	1.227	1.157	1.108	1.085	1.067	1.055	1.046	1.038	1.035	1.032	1.028	1.026	1.023	1.022	1.021	1.020	1.018	1.020	1.020	1.020	1.000
8/06	2.780	1.398	1.187	1.120	1.094	1.080	1.070	1.059	1.051	1.047	1.043	1.039	1.036	1.032	1.030	1.027	1.024	1.020	1.024	1.020	1.020	1.020	1.000
8/07	2.760	1.383	1.169	1.116	1.094	1.076	1.066	1.058	1.052	1.047	1.044	1.040	1.037	1.034	1.031	1.028	1.024	1.024	1.024	1.024	1.024	1.024	1.000
8/08	2.743	1.368	1.191	1.133	1.108	1.089	1.076	1.067	1.058	1.049	1.044	1.040	1.037	1.034	1.031	1.028	1.024	1.024	1.024	1.024	1.024	1.024	1.000
8/09	2.614	1.317	1.151	1.109	1.084	1.073	1.061	1.054	1.050	1.047	1.044	1.040	1.037	1.034	1.031	1.028	1.024	1.024	1.024	1.024	1.024	1.024	1.000
8/10	2.701	1.386	1.223	1.155	1.126	1.104	1.091	1.081	1.062	1.056	1.051	1.045	1.040	1.037	1.033	1.028	1.024	1.024	1.024	1.024	1.024	1.024	1.000
8/11	2.479	1.337	1.187	1.135	1.112	1.095	1.082	1.071	1.064	1.058	1.052	1.044	1.040	1.037	1.033	1.028	1.024	1.024	1.024	1.024	1.024	1.024	1.000
8/12	2.600	1.329	1.177	1.128	1.108	1.088	1.075	1.060	1.055	1.051	1.049	1.044	1.040	1.037	1.033	1.028	1.024	1.024	1.024	1.024	1.024	1.024	1.000
8/13	2.430	1.328	1.142	1.093	1.073	1.064	1.057	1.053	1.053	1.053	1.053	1.049	1.044	1.039	1.036	1.032	1.027	1.024	1.024	1.024	1.024	1.024	1.000
8/14	2.691	1.312	1.139	1.099	1.080	1.072	1.065	1.060	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.057	1.000
8/15	2.621	1.358	1.179	1.128	1.106	1.090	1.076	1.063	1.064	1.058	1.052	1.044	1.040	1.037	1.033	1.028	1.024	1.024	1.024	1.024	1.024	1.024	1.000
8/16	2.656	1.345	1.152	1.104	1.091	1.082	1.073	1.063	1.062	1.056	1.051	1.045	1.040	1.037	1.033	1.028	1.024	1.024	1.024	1.024	1.024	1.024	1.000
8/17	2.493	1.282	1.139	1.107	1.093	1.084	1.073	1.067	1.058	1.049	1.044	1.040	1.037	1.034	1.031	1.028	1.024	1.024	1.024	1.024	1.024	1.024	1.000
8/18	2.301	1.307	1.168	1.1																			

Exhibit 19
State Office of Risk Management
Workers Compensation Insurance Fund

Cumulative Paid Claims - All Components
Estimate of Amounts Reportable After 8/31/22

Mean	2.686	1.374	1.191	1.140	1.117	1.099	1.087	1.079	1.071	1.063	1.056	1.050	1.046	1.039	1.034	1.029	1.030	1.026	1.022	1.018	1.016	1.014	1.001
Std Dev	0.242	0.12629	0.08466	0.07315	0.06386	0.05297	0.0469	0.04528	0.04013	0.03556	0.03154	0.02852	0.02692	0.02231	0.01866	0.01532	0.02589	0.02354	0.02147	0.02007	0.01815	0.017546	0.00395
t _{0.9} Conflnt/2	8/22	8/21	8/20	8/19	8/18	8/17	8/16	8/15	8/14	8/13	8/12	8/11	8/10	8/09	8/08	8/07	8/06	8/05	8/04	8/03	8/02	8/01	
	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	1.3304	
LDF(90%CI) Paid	0.3226	0.1680	0.1126	0.0973	0.0850	0.0705	0.0624	0.0602	0.0534	0.0473	0.0420	0.0379	0.0358	0.0297	0.0248	0.0204	0.0344	0.0313	0.0286	0.0267	0.0241	0.0233	
	3.00845	1.54222	1.30397	1.23743	1.20163	1.16934	1.14934	1.13952	1.12418	1.11023	1.09812	1.08819	1.08177	1.06903	1.05877	1.04923	1.06399	1.05699	1.05039	1.04429	1.03972	1.037716	
Ult Incurred (90% CI)	25,901	28,504	29,880	30,393	31,782	36,654	33,070	33,215	31,464	32,486	38,995	39,461	35,454	38,321	34,689	32,602	41,251	40,984	63,784	60,430	62,226	64,101	
	77,922	43,959	38,963	37,609	38,191	42,861	38,009	37,849	35,371	36,067	42,821	42,941	38,353	40,967	36,728	34,207	43,891	43,320	66,998	63,106	64,697	66,519	
Ult Incurred (50% CI)	34,123	33,005	33,294	33,302	34,442	39,314	35,162	35,112	33,121	34,069	40,693	41,046	36,785	39,571	35,667	33,378	42,088	41,623	64,500	60,932	62,556	64,101	
	Delta	43,799	10,955	5,669	4,307	3,748	3,546	2,737	2,249	1,998	2,128	1,895	1,568	1,396	1,061	829	1,803	1,697	2,499	2,175	2,141	2,418	
t _{0.75} Conflnt/2	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	0.6884	
	0.1669	0.0869	0.0583	0.0504	0.0440	0.0365	0.0323	0.0312	0.0276	0.0245	0.0217	0.0196	0.0185	0.0154	0.0128	0.0105	0.0178	0.0162	0.0148	0.0138	0.0125	0.0121	
LDF(75%CI) Paid	2.85279	1.46114	1.24962	1.19046	1.16064	1.13533	1.11923	1.11044	1.09841	1.0874	1.07787	1.06988	1.06449	1.05471	1.04679	1.0394	1.04736	1.04188	1.03661	1.0314	1.02807	1.026451	
	25,901	28,504	29,880	30,393	31,782	36,654	33,070	33,215	31,464	32,486	38,995	39,461	35,454	38,321	34,689	32,602	41,251	40,984	63,784	60,430	62,226	64,101	
Ult Incurred (75% CI)	73,890	41,648	37,339	36,182	36,888	41,614	37,013	36,884	34,560	35,325	42,031	42,218	37,741	40,418	36,313	33,887	43,205	42,700	66,119	62,328	63,972	65,797	
	34,123	33,005	33,294	33,302	34,442	39,314	35,162	35,112	33,121	34,069	40,693	41,046	36,785	39,571	35,667	33,378	42,088	41,623	64,500	60,932	62,556	64,101	
t _{0.6} Conflnt/2	39,767	8,643	4,045	2,880	2,445	2,300	1,851	1,771	1,439	1,257	1,338	1,173	955	847	645	508	1,117	1,078	1,620	1,396	1,416	1,696	
	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	
LDF(60%CI) Paid	0.0623	0.0325	0.0218	0.0188	0.0164	0.0136	0.0121	0.0116	0.0103	0.0091	0.0081	0.0073	0.0069	0.0057	0.0048	0.0039	0.0067	0.0061	0.0055	0.0052	0.0047	0.0045	
	2.74823	1.40668	1.21311	1.15891	1.1331	1.11249	1.09901	1.09092	1.0811	1.07207	1.06427	1.05758	1.05288	1.04509	1.03875	1.03279	1.0362	1.03173	1.02736	1.02275	1.02024	1.018884	
Ult Incurred (60% CI)	25,901	28,504	29,880	30,393	31,782	36,654	33,070	33,215	31,464	32,486	38,995	39,461	35,454	38,321	34,689	32,602	41,251	40,984	63,784	60,430	62,226	64,101	
	71,182	40,096	36,248	35,223	36,012	40,777	36,344	36,235	34,015	34,827	41,501	41,733	37,329	40,049	36,033	33,671	42,745	42,284	65,529	61,805	63,485	65,312	
Ult Incurred (50% CI)	34,123	33,005	33,294	33,302	34,442	39,314	35,162	35,112	33,121	34,069	40,693	41,046	36,785	39,571	35,667	33,378	42,088	41,623	64,500	60,932	62,556	64,101	
	Delta	37,059	7,091	2,954	1,921	1,570	1,463	1,123	894	759	808	687	544	478	366	293	656	662	1,029	873	929	1,210	
t _{0.5} Conflnt/2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
LDF(50%CI) Paid	2.68589	1.37421	1.19135	1.1401	1.11668	1.09887	1.08695	1.07927	1.07078	1.06293	1.05616	1.05024	1.04596	1.03935	1.03395	1.02885	1.02954	1.02568	1.02184	1.01759	1.01558	1.014373	
	25,901	28,504	29,880	30,393	31,782	36,654	33,070	33,215	31,464	32,486	38,995	39,461	35,454	38,321	34,689	32,602	41,251	40,984	63,784	60,430	62,226	64,101	
Ult Incurred (50% CI)	69,567	39,170	35,598	34,651	35,491	40,278	35,945	35,848	33,691	34,530	41,184	41,444	37,084	39,829	35,867	33,543	42,470	42,036	65,177	61,493	63,195	65,023	
	34,123	33,005	33,294	33,302	34,442	39,314	35,162	35,112	33,121	34,069	40,693	41,046	36,785	39,571	35,667	33,378	42,088	41,623	64,500	60,932	62,556	64,101	
t _{0.5} Delta	35,444	6,166	2,304	1,349	1,048	964	783	736	570	462	492	398	298	258	200	164	382	414	677	561	639	921	
	*Values from Student's t Distribution for 50%, 60%, 75% and 90% Confidence																						

Exhibit 20
State Office of Risk Management
Workers Compensation Insurance Fund

Cumulative Claim Counts

Estimate of Amounts Reportable After 8/31/22

Claim Year Ending	12 Month Lag Periods																						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
8/78	6,325	6,382	6,393	6,404	6,404	6,406	6,406	6,407	6,408	6,408	6,409	6,409	6,409	6,409	6,409	6,409	6,409	6,409	6,409	6,409	6,409	6,409	6,409
8/79	5,723	6,421	6,432	6,435	6,444	6,444	6,444	6,444	6,445	6,445	6,445	6,445	6,445	6,445	6,445	6,446	6,446	6,446	6,446	6,446	6,446	6,446	6,446
8/80	5,776	6,444	6,463	6,468	6,470	6,470	6,471	6,471	6,472	6,472	6,472	6,472	6,472	6,472	6,472	6,472	6,472	6,472	6,472	6,472	6,472	6,472	6,472
8/81	5,689	6,300	6,316	6,321	6,323	6,326	6,331	6,333	6,333	6,333	6,333	6,333	6,333	6,333	6,333	6,333	6,333	6,333	6,333	6,333	6,333	6,333	6,333
8/82	5,636	6,248	6,257	6,260	6,263	6,266	6,269	6,270	6,271	6,271	6,271	6,271	6,271	6,271	6,271	6,271	6,271	6,271	6,271	6,271	6,271	6,271	6,271
8/83	5,658	6,176	6,185	6,197	6,201	6,202	6,203	6,204	6,205	6,205	6,205	6,205	6,205	6,205	6,205	6,205	6,205	6,205	6,205	6,205	6,205	6,205	6,205
8/84	5,867	6,570	6,603	6,624	6,633	6,639	6,640	6,640	6,640	6,640	6,641	6,641	6,641	6,641	6,641	6,641	6,641	6,641	6,641	6,641	6,641	6,641	6,641
8/85	6,446	7,149	7,186	7,194	7,198	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200
8/86	6,303	7,090	7,120	7,129	7,131	7,133	7,134	7,135	7,136	7,136	7,137	7,137	7,137	7,137	7,137	7,137	7,137	7,137	7,137	7,137	7,137	7,137	7,137
8/87	6,144	6,794	6,818	6,822	6,825	6,827	6,828	6,828	6,828	6,828	6,828	6,828	6,828	6,828	6,828	6,828	6,828	6,828	6,828	6,828	6,828	6,828	6,828
8/88	6,631	7,372	7,408	7,413	7,413	7,415	7,416	7,416	7,416	7,416	7,417	7,417	7,418	7,418	7,418	7,419	7,419	7,419	7,419	7,419	7,419	7,419	7,419
8/89	7,270	7,980	7,996	8,008	8,009	8,012	8,015	8,015	8,015	8,015	8,015	8,015	8,015	8,015	8,015	8,015	8,015	8,015	8,015	8,015	8,015	8,015	8,015
8/90	7,220	7,965	7,989	7,993	7,998	7,998	7,998	7,998	7,998	7,998	7,999	7,999	7,999	7,999	7,999	7,999	7,999	7,999	7,999	7,999	7,999	7,999	7,999
8/91	8,090	8,630	8,657	8,660	8,662	8,662	8,666	8,666	8,666	8,666	8,666	8,666	8,666	8,666	8,666	8,667	8,667	8,667	8,667	8,667	8,667	8,667	8,667
8/92	8,603	9,149	9,174	9,177	9,180	9,180	9,181	9,181	9,181	9,181	9,181	9,181	9,181	9,182	9,182	9,182	9,182	9,182	9,182	9,182	9,182	9,182	9,182
8/93	8,538	9,175	9,189	9,191	9,192	9,192	9,192	9,192	9,192	9,192	9,192	9,192	9,192	9,192	9,192	9,192	9,192	9,192	9,192	9,192	9,192	9,192	9,192
8/94	9,518	10,107	10,120	10,120	10,121	10,122	10,123	10,123	10,123	10,123	10,123	10,123	10,123	10,123	10,123	10,123	10,123	10,123	10,123	10,123	10,123	10,123	10,123
8/95	9,863	10,330	10,346	10,349	10,351	10,352	10,352	10,352	10,352	10,352	10,352	10,352	10,352	10,352	10,352	10,352	10,352	10,352	10,352	10,352	10,352	10,352	10,352
8/96	9,123	9,506	9,519	9,524	9,526	9,527	9,527	9,527	9,527	9,527	9,527	9,527	9,527	9,527	9,527	9,527	9,527	9,527	9,527	9,527	9,527	9,527	9,527
8/97	8,306	8,656	8,675	8,678	8,680	8,681	8,681	8,681	8,681	8,681	8,681	8,681	8,681	8,681	8,681	8,681	8,681	8,681	8,681	8,681	8,681	8,681	8,681
8/98	7,982	8,334	8,347	8,351	8,352	8,352	8,352	8,352	8,352	8,352	8,352	8,352	8,352	8,352	8,352	8,352	8,352	8,352	8,352	8,352	8,352	8,352	8,352
8/99	7,943	8,273	8,286	8,290	8,293	8,294	8,294	8,294	8,294	8,294	8,294	8,294	8,294	8,294	8,294	8,294	8,294	8,294	8,294	8,294	8,294	8,294	8,294
8/00	7,922	8,329	8,344	8,346	8,347	8,347	8,347	8,347	8,347	8,347	8,347	8,347	8,347	8,347	8,348	8,348	8,348	8,348	8,348	8,348	8,348	8,348	8,348
8/01	7,802	8,139	8,151	8,153	8,154	8,154	8,154	8,154	8,154	8,155	8,155	8,155	8,155	8,155	8,156	8,156	8,156	8,156	8,156	8,156	8,156	8,156	8,156
8/02	8,275	8,541	8,547	8,548	8,549	8,549	8,549	8,549	8,549	8,549	8,549	8,549	8,549	8,549	8,549	8,549	8,549	8,549	8,549	8,549	8,549	8,549	8,549
8/03	7,273	7,513	7,516	7,516	7,517	7,517	7,517	7,517	7,517	7,517	7,518	7,518	7,518	7,518	7,518	7,518	7,518	7,518	7,518	7,518	7,518	7,518	7,518
8/04	6,990	7,203	7,206	7,206	7,206	7,206	7,207	7,207	7,207	7,207	7,207	7,207	7,208	7,208	7,208	7,208	7,208	7,208	7,208	7,208	7,208	7,208	7,208
8/05	7,219	7,418	7,421	7,421	7,421	7,421	7,421	7,421	7,423	7,423	7,423	7,423	7,423	7,423	7,424	7,424	7,424	7,424	7,424	7,424	7,424	7,424	7,424
8/06	6,666	6,820	6,821	6,821	6,822	6,823	6,824	6,825	6,825	6,825	6,825	6,825	6,825	6,825	6,826	6,826	6,826	6,826	6,826	6,826	6,826	6,826	6,826
8/07	6,849	6,995	6,998	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000
8/08	7,103	7,308	7,312	7,312	7,312	7,312	7,312	7,312	7,312	7,312	7,312	7,312	7,312	7,312	7,312	7,312	7,312	7,312	7,312	7,312	7,312	7,312	7,312
8/09	7,190	7,358	7,360	7,361	7,362	7,363	7,363	7,363	7,363	7,363	7,363	7,363	7,363	7,363	7,363	7,363	7,363	7,363	7,363	7,363	7,363	7,363	7,363
8/10	7,350	7,502	7,506	7,511	7,512	7,512	7,512	7,512	7,512	7,512	7,512	7,512	7,512	7,512	7,512	7,512	7,512	7,512	7,512	7,512	7,512	7,512	7,512
8/11	7,486	7,638	7,646	7,647	7,647	7,647	7,647	7,647	7,647	7,647	7,647	7,648	7,648	7,648	7,648	7,648	7,648	7,648	7,648	7,648	7,648	7,648	7,648
8/12	6,995	7,162	7,168	7,169	7,169	7,169	7,169	7,169	7,169	7,169	7,169	7,169	7,169	7,169	7,169	7,169	7,169	7,169	7,169	7,169	7,169	7,169	7,169
8/13	6,867	7,016	7,021	7,021	7,021	7,021	7,021	7,021	7,021	7,021	7,021	7,021	7,021	7,021	7,021	7,021	7,021	7,021	7,021	7,021	7,021	7,021	7,021
8/14	6,744	6,897	6,898	6,898	6,899	6,899	6,899	6,899	6,899	6,899	6,899	6,899	6,899	6,899	6,899	6,899	6,899	6,899	6,899	6,899	6,899	6,899	6,899
8/15	6,670	6,807	6,813	6,814	6,814	6,814	6,814	6,814	6,814	6,814	6,814	6,814	6,814	6,814	6,814	6,814	6,814	6,814	6,814	6,814	6,814	6,814	6,814
8/16	6,594	6,726	6,733	6,733	6,733	6,733	6,733	6,733	6,733	6,733	6,733	6,733	6,733	6,733	6,733	6,733	6,733	6,733	6,733	6,733	6,733	6,733	6,733
8/17	6,670	6,878	6,883	6,883	6,883	6,883	6,883	6,883	6,883	6,883	6,883	6,883	6,883	6,883	6,883	6,883	6,883	6,883	6,883	6,883	6,883	6,883	6,883
8/18	6,458	6,567	6,568	6,570	6,570	6,570	6,570	6,570	6,570	6,570	6,570	6,570	6,570	6,570	6,570	6,570	6,570	6,570	6,570	6,570	6,570	6,570	6,570
8/19	6,484	6,585	6,588	6,588	6,588	6,588	6,588	6,588	6,588	6,588	6,588	6,588	6,588	6,588	6,588	6,588	6,588	6,588	6,588	6,588	6,588	6,588	6,588
8/20	6,303	6,451	6,451	6,451	6,451	6,451																	

Cumulative Claim Counts

Estimate of Amounts Reportable After 8/31/22

SORM0822.xlsm - Claim Counts

Exhibit 20
State Office of Risk Management
Workers Compensation Insurance Fund

Cumulative Claim Counts

Estimate of Amounts Reportable After 8/31/22

Method	Age to Age Development Factors																						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Aggregate Average	1.000	1.051	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	1.000	1.050	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	1.000	1.050	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Truncated	1.000	1.049	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Inverted	1.000	1.020	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Trunc Last 8	1.000	1.019	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 8	1.000	1.018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 7	1.000	1.018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Trunc Last 6	1.000	1.019	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 6	1.000	1.018	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 5	1.000	1.017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 4	1.000	1.014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 3	1.000	1.013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 2	1.000	1.012	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Wtd Avg	1.000	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Geometric	1.000	1.050	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Prior Study	1.000	1.021	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Factors Selected	1.000	1.020	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Age to Ultimate Development Factors

Prior Study	1.022	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Factors Selected	1.020	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Percentage Reported

Factors Selected	98.00%	99.95%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
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