



# Bickmore — Actuarial

## Actuarial Review of the Excess Liability Program

*Outstanding Liabilities as of June 30, 2024  
Forecast for Program Year 2024-25*

*Presented to*  
**Independent Cities Risk Management Authority**

April 30, 2024



## SCOPE AND SIGNATURE

The Independent Cities Risk Management Authority (“ICRMA”) has engaged Bickmore Actuarial to conduct an actuarial review of unpaid loss and loss adjustment expenses for claims that occurred on or before June 30, 2024 for its self-insured general liability program utilizing data valued as of December 31, 2023. ICRMA also seeks guidance on the appropriate funding level for claims to be incurred during the upcoming program year.

The specific objectives of the study are:

1. Estimate ICRMA’s net liability for outstanding claims as of June 30, 2024. Liabilities net of reinsurance are presented on both an undiscounted basis as well as on a discounted basis (net present value). The net liabilities are also presented at the expected level (i.e. without a risk margin) and with risk margins, which are quantified via confidence levels.

The net liabilities include provisions for loss, allocated loss adjustment expense (ALAE), and unallocated loss adjustment expense (ULAE). ALAE and ULAE are defined in the Glossary section of this report.

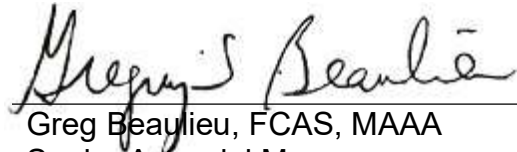
2. Project ultimate claims costs for the 2024-25 program year. Similar to the liability projections, the ultimate program year costs are presented both on undiscounted and discounted bases. Projections with and without risk margins are also included.
3. Provide a statement of compliance with Governmental Accounting Standards Board Statement #10.

We appreciate the opportunity to be of service to ICRMA in preparing this report. Please feel free to call Mike Harrington at (916) 244-1162 or Greg Beaulieu at (916) 290-4632 with any questions you may have concerning this report.

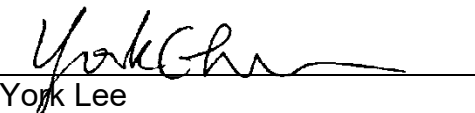
Mike Harrington and Greg Beaulieu meet the Casualty Actuarial Society continuing education requirements and the American Academy of Actuaries’ qualification standards to sign Statements of Actuarial Opinion.

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Mike Harrington, FCAS, MAAA  
Managing Partner

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Greg Beaulieu, FCAS, MAAA  
Senior Actuarial Manager

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York Lee  
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## EXECUTIVE SUMMARY

### Net Claim Liabilities

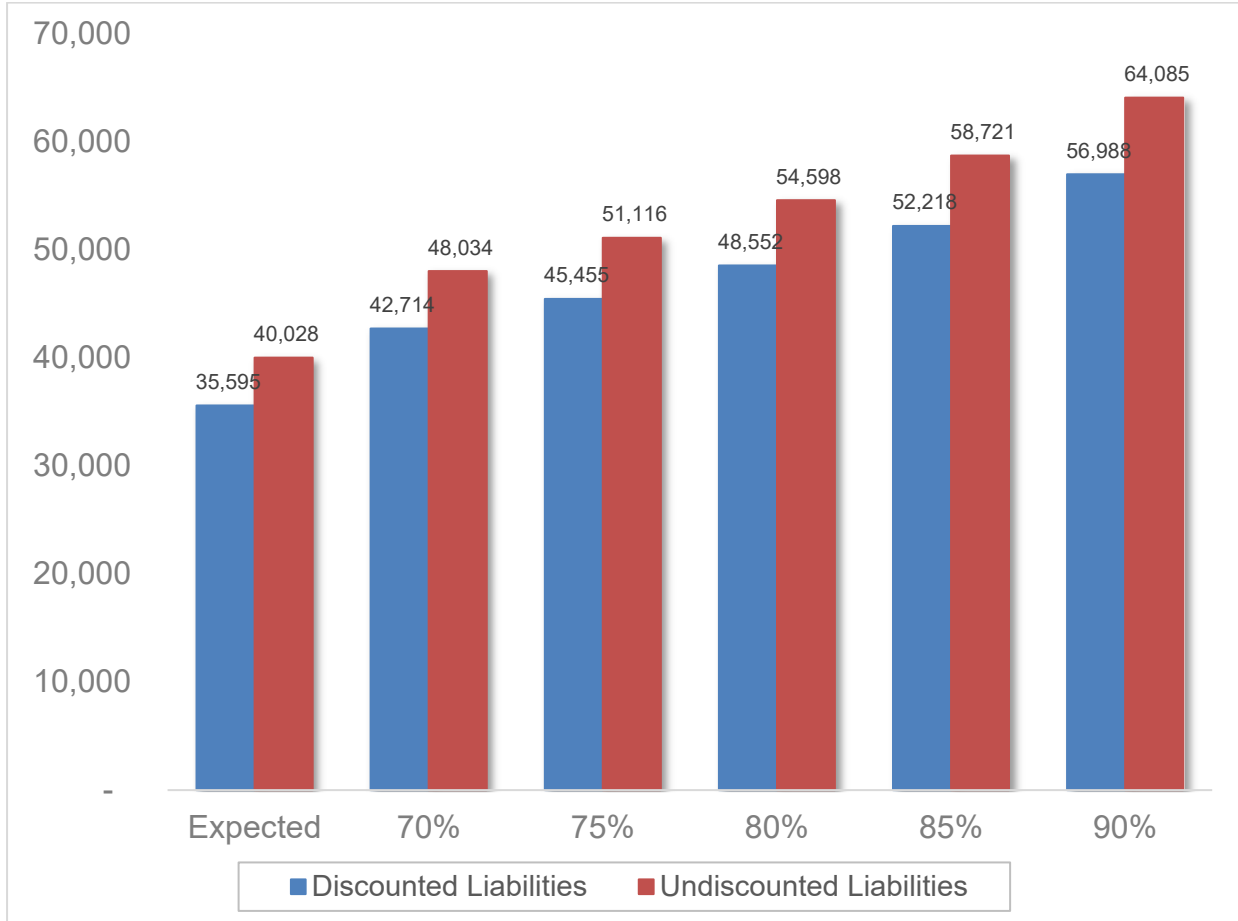
The following table presents our conclusions regarding ICRMA's net claim liabilities.

Loss & LAE Claim Liabilities  
As of June 30, 2024, Net of Reinsurance

<u>Confidence Level</u>	<u>Undiscounted</u>	<u>3.0% Discount</u>
Expected	\$40,028,000	\$35,595,000
70%	48,034,000	42,714,000
75%	51,116,000	45,455,000
80%	54,598,000	48,552,000
85%	58,721,000	52,218,000
90%	64,085,000	56,988,000
98%	88,043,000	78,293,000
99%	100,438,000	89,315,000
99.5%	155,640,000	138,404,000

The following graph displays the program’s net claim liabilities as of June 30, 2024 as shown on the prior page.

Loss & LAE Claim Liabilities  
As of June 30, 2024, Net of Reinsurance  
(\$000s)



The discount for net present value is based on an annual discount rate of 3.0%.

We generally recommend that risk pools maintain assets for historical liabilities at no less than the 90% confidence level. However, we understand that each entity is unique, and that proper funding levels can vary based on issues such as the organization’s risk tolerance, financial circumstances, and priorities.

Discounted recommendation assumes that all earnings on the assets invested (which are equal to the recommended discounted reserve level) will accrue to the program. The discount for future earnings should only be reflected, however, when the total indicated funds are available for investment and are expected to earn the indicated yield rate until all claims are closed.

## Funding Projections

The following tables present our estimates of ultimate costs for the upcoming program year, displayed as rates per \$100 of payroll and total loss funding. Estimates are provided at the current \$2 million pool limit.

### Funding Guidelines for Claims Incurred in 2024-25

#### \$2,000,000 Pool Limit, Undiscounted

<u>MRL</u>	<u>Expected</u>	<u>70%</u>	<u>75%</u>	<u>80%</u>	<u>85%</u>	<u>90%</u>
\$250K	4.684	5.963	6.487	7.073	7.789	8.731
\$300K	4.340	5.525	6.010	6.553	7.217	8.089
\$400K	3.551	4.520	4.918	5.362	5.905	6.619
\$500K	3.076	3.917	4.261	4.646	5.116	5.735
\$750K	2.250	2.864	3.116	3.397	3.741	4.193
\$1M	1.704	2.169	2.360	2.573	2.834	3.176
\$1.5M	0.898	1.143	1.244	1.356	1.494	1.674
\$1.75M	0.445	0.566	0.616	0.672	0.740	0.829
Loss Funding	6,963,000	8,865,000	9,644,000	10,515,000	11,579,000	12,980,000

#### \$2,000,000 Pool Limit, Discounted at 3.0%

<u>MRL</u>	<u>Expected</u>	<u>70%</u>	<u>75%</u>	<u>80%</u>	<u>85%</u>	<u>90%</u>
\$250K	4.055	5.162	5.616	6.123	6.743	7.559
\$300K	3.757	4.783	5.203	5.673	6.248	7.004
\$400K	3.074	3.913	4.257	4.642	5.112	5.730
\$500K	2.663	3.390	3.689	4.022	4.429	4.965
\$750K	1.948	2.479	2.697	2.941	3.239	3.630
\$1M	1.475	1.878	2.043	2.228	2.453	2.750
\$1.5M	0.778	0.990	1.077	1.174	1.293	1.449
\$1.75M	0.385	0.490	0.533	0.582	0.640	0.718
Loss Funding	6,028,000	7,673,000	8,349,000	9,103,000	10,025,000	11,237,000

Our funding guidelines in the tables above do not include any provision for excess insurance premiums, claims administration fees, and other administrative costs associated with the program.

## Statement of Compliance with GASB #10

The outstanding liabilities presented in this section that include claims administration costs comply with the requirements promulgated by GASB #10.

## **BACKGROUND**

The Independent Cities Risk Management Authority's Pooled Excess Liability program became effective July 1, 1986. Carl Warren provides claims administration services for roughly half of the members in the pool. Other members contract directly with AdminSure.

The program offers insurance up to \$2,000,000 with each member electing a member retained limit (MRL) between \$250,000 and \$4,000,000. ICRMA's \$2,000,000 retention is on a ground up basis, and so the MRLs of individual members lower ICRMA's net retention. ICRMA purchases excess insurance above \$2,000,000, up to \$35,000,000.

Fourteen members currently participate in the program year 2024-25:

<u>Member</u>	<u>MRL</u>
City of Adelanto	\$250,000
City of Bell	250,000
City of Downey	2,000,000
City of El Monte	500,000
City of El Segundo	750,000
City of Fullerton	4,000,000
City of Glendora	250,000
City of Hawthorne	2,000,000
City of Huntington Park	500,000
City of Inglewood	2,000,000
City of Lynwood	250,000
City of San Fernando	250,000
City of Santa Ana	3,000,000
City of South Gate	500,000

**Independent Cities Risk Management Authority**  
**Liability Actuarial Study**

The following table shows a history of ICRMA’s self-insured retentions (SIRs) by year. These are ground up SIRs, and so the MRLs of individual members lower ICRMA’s net retention.

Policy Year Start Date	Policy Year End Date	Per Occurrence Retention	Aggregate Retention
7/1/2000	6/30/2001	\$1,000,000	(none)
7/1/2001	6/30/2002	1,000,000	(none)
7/1/2002	6/30/2003	1,000,000	(none)
7/1/2003	6/30/2004	2,000,000	(none)
7/1/2004	6/30/2005	2,000,000	(none)
7/1/2005	6/30/2006	2,000,000	(none)
7/1/2006	6/30/2007	2,000,000	(none)
7/1/2007	6/30/2008	2,000,000	(none)
7/1/2008	6/30/2009	2,000,000	(none)
7/1/2009	6/30/2010	2,000,000	(none)
7/1/2010	6/30/2011	3,000,000	(none)
7/1/2011	6/30/2012	5,000,000	(none)
7/1/2012	6/30/2013	5,000,000	(none)
7/1/2013	6/30/2014	5,000,000	(none)
7/1/2014	6/30/2015	5,000,000	(none)
7/1/2015	6/30/2016	5,000,000	(none)
7/1/2016	6/30/2017	3,000,000	(none)
7/1/2017	6/30/2018	3,000,000	(none)
7/1/2018	6/30/2019	3,000,000	(none)
7/1/2019	6/30/2020	3,000,000	(none)
7/1/2020	6/30/2021	2,000,000	(none)
7/1/2021	6/30/2022	2,000,000	(none)
7/1/2022	6/30/2023	2,000,000	(none)
7/1/2023	6/30/2024	2,000,000	(none)
7/1/2024	6/30/2025	2,000,000	(none)



## OBSERVATIONS AND ANALYSIS

In this section, we present a comparison to the prior analysis. The prior report for ICRMA was dated June 28, 2023 and relied on data evaluated as of December 31, 2022. The current analysis relies on data evaluated as of December 31, 2023.

### Comparison of Actual versus Expected Activity

The following table describes how reported losses have emerged between the two points in time referenced above. We also compare how our projected ultimate loss & ALAE amounts have changed between these two points in time.

Actual Versus Expected Incurred Loss & ALAE<sup>1</sup>  
Prior vs. Current Reports

Fiscal Year	Expected Emergence	Actual Emergence	Actual Minus Expected Emergence
Prior	\$0	\$0	\$0
2009-10	0	0	0
2010-11	0	0	0
2011-12	0	0	0
2012-13	195,323	0	(195,323)
2013-14	485,586	52,107	(433,478)
2014-15	307,138	0	(307,138)
2015-16	673,058	3,385,269	2,712,212
2016-17	594,848	(2,286,251)	(2,881,099)
2017-18	1,063,923	514,567	(549,356)
2018-19	1,436,865	773,746	(663,119)
2019-20	3,315,590	4,378,071	1,062,481
2020-21	2,396,813	(522,599)	(2,919,412)
2021-22	1,666,110	925,349	(740,762)
2022-23	1,113,106	690,090	(423,016)
Total	\$13,248,359	\$7,910,349	(\$5,338,010)
Latest 5 Yrs.	\$10,992,406	\$6,759,224	(\$4,233,183)

<sup>1</sup> Loss & ALAE limited to ICRMA's self-insured retention and net of member MRLs.

Change in Projected Ultimate Loss & ALAE<sup>1</sup>  
Prior vs. Current Reports

Fiscal Year	Prior Ultimate	Current Ultimate	Change in Ultimate	Percent Change
2000-01	\$3,304,733	\$3,304,733	\$0	0.0%
2001-02	2,677,792	2,677,792	0	0.0%
2002-03	4,164,509	4,164,509	0	0.0%
2003-04	9,873,715	9,873,715	0	0.0%
2004-05	6,744,535	6,744,535	0	0.0%
2005-06	1,946,448	1,946,448	0	0.0%
2006-07	5,174,937	5,174,937	0	0.0%
2007-08	5,360,614	5,360,614	0	0.0%
2008-09	4,940,446	4,940,446	0	0.0%
2009-10	1,383,057	1,383,057	0	0.0%
2010-11	5,659,802	5,659,802	0	0.0%
2011-12	8,963,225	8,963,225	0	0.0%
2012-13	19,727,608	19,727,608	0	0.0%
2013-14	25,257,738	25,309,845	52,107	0.2%
2014-15	10,827,410	10,827,410	0	0.0%
2015-16	18,754,000	21,424,000	2,670,000	14.2%
2016-17	13,814,250	12,489,000	(1,325,250)	-9.6%
2017-18	10,093,400	10,241,000	147,600	1.5%
2018-19	10,416,000	10,657,600	241,600	2.3%
2019-20	10,320,000	11,331,450	1,011,450	9.8%
2020-21	9,979,400	9,270,626	(708,774)	-7.1%
2021-22	6,991,600	6,266,500	(725,100)	-10.4%
2022-23	7,007,000	6,965,000	(42,000)	-0.6%
Total	\$203,382,220	\$204,703,853	\$1,321,633	0.6%
Latest 5 Yrs.	\$54,807,400	\$54,732,176	(\$75,224)	-0.1%

<sup>1</sup> Projected ultimate loss & ALAE limited to ICRMA's self-insured retention and net of member MRLs, at expected (no risk margin), not discounted to reflect net present value.

**Comparison of Liabilities: Prior vs. Current Reports**

The table below compares our prior report's estimated liability for outstanding claims by component as of June 30, 2023 to our current report's estimated liability for outstanding claims as of June 30, 2024.

**Outstanding Claim Liabilities for Loss and LAE**

	Prior Report at June 30, 2023	Current Report at June 30, 2024	Change
Loss and ALAE Reserves:	\$43,165,000	\$38,628,000	(\$4,537,000)
ULAE Reserves:	1,484,000	1,400,000	(84,000)
Total Reserves:	\$44,649,000	\$40,028,000	(\$4,621,000)
Offset for Investment Income:	(3,225,000)	(4,433,000)	(1,208,000)
Discounted Claim Liabilities:	\$41,424,000	\$35,595,000	(\$5,829,000)

<sup>1</sup> The offset for investment income was based on an annual discount rate of 2.0% in the prior report and 3.0% in the current report.

**Comparison of Funding Projections: Prior vs. Current Reports**

The following table compares our funding estimate for the 2023-24 year from our prior report to our funding estimate of the 2024-25 year from our current report.

**Comparison with Prior Review**  
**Discounted, 75% Confidence Level Funding Rates**

Layer	Last Review 2023-24 3.0% Disc 75% CL \$2M SIR Loss Rate	This Review 2024-25 3.0% Disc 75% CL \$2M SIR Loss Rate	% Change From Prior
\$250K-\$2M	5.562	5.616	1.0%
\$300K-\$2M	5.153	5.203	1.0%
\$400K-\$2M	4.216	4.257	1.0%
\$500K-\$2M	3.653	3.689	1.0%
\$750K-\$2M	2.671	2.697	1.0%
\$1M-\$2M	2.023	2.043	1.0%
\$1.5M-\$2M	1.067	1.077	0.9%
\$1.75M-\$2M	0.528	0.533	0.9%

**Loss and LAE Liabilities by Category**

The following table shows the categories that compose our ultimate loss & LAE liability estimates.

Loss & ALAE Liabilities by Category and Year<sup>1</sup>  
As of June 30, 2024, Net of Reinsurance

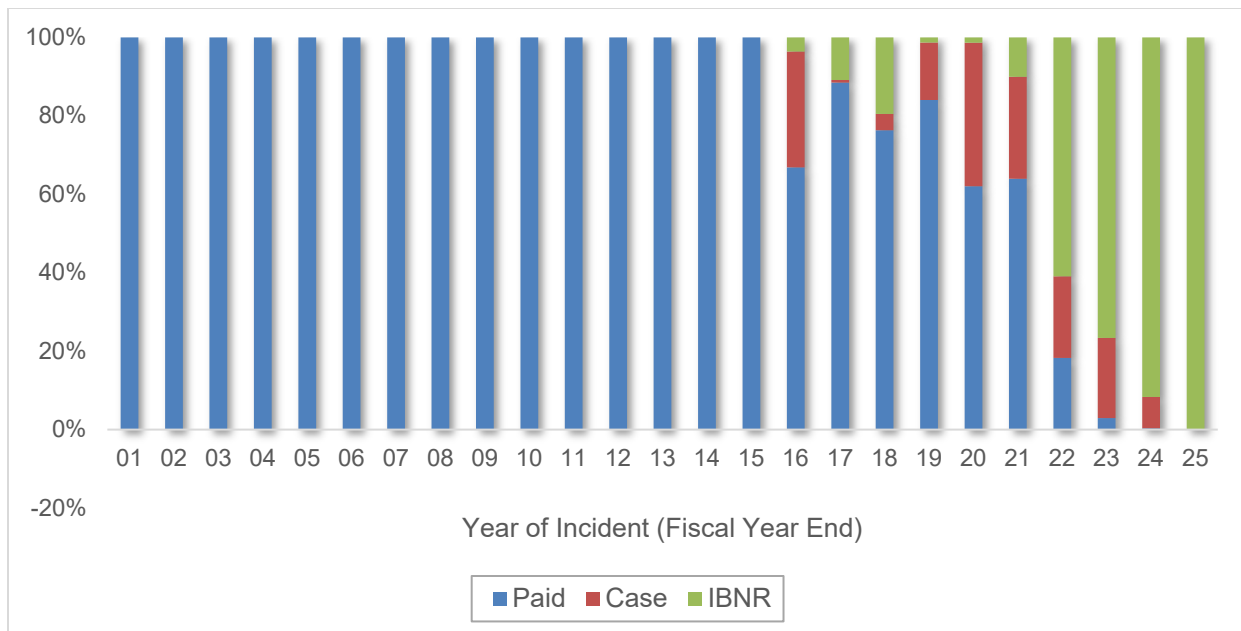
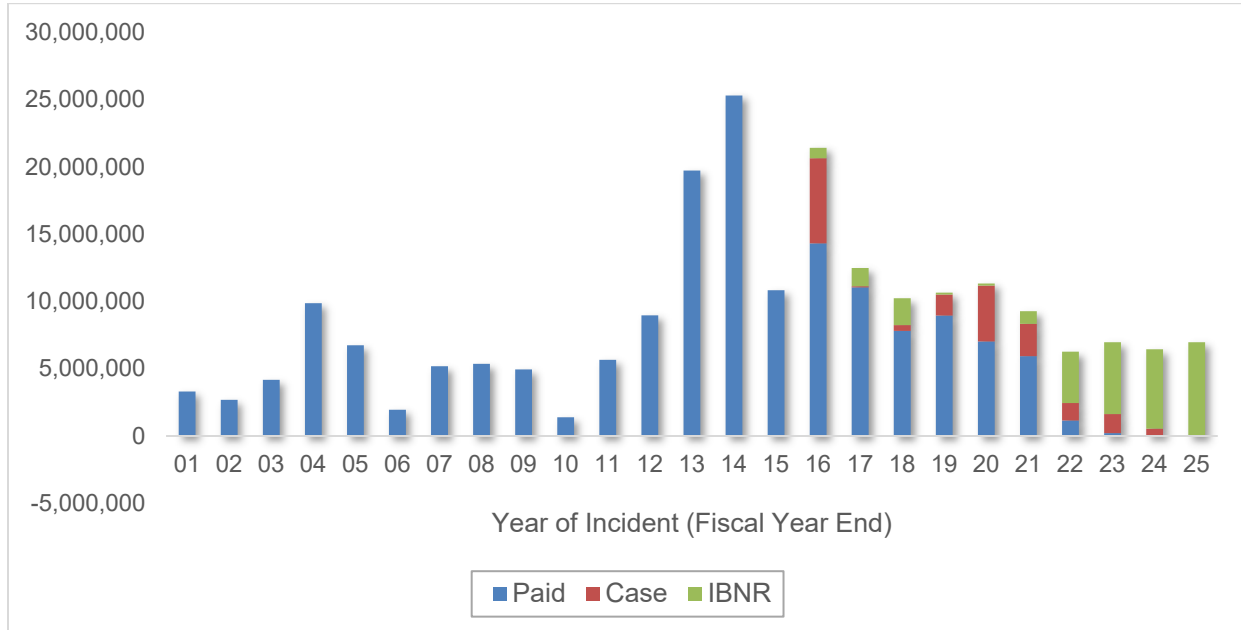
Fiscal Year	Case Reserves	Incurred but Not Reported (IBNR)	Total Liabilities
2000-01	\$0	\$0	\$0
2001-02	0	0	0
2002-03	0	0	0
2003-04	0	0	0
2004-05	0	0	0
2005-06	0	0	0
2006-07	0	0	0
2007-08	0	0	0
2008-09	0	0	0
2009-10	0	0	0
2010-11	0	0	0
2011-12	0	0	0
2012-13	0	0	0
2013-14	0	0	0
2014-15	0	0	0
2015-16	6,332,129	773,938	7,106,067
2016-17	82,264	1,357,847	1,440,111
2017-18	425,908	1,998,816	2,424,724
2018-19	1,559,839	141,896	1,701,735
2019-20	4,148,714	156,452	4,305,166
2020-21	2,408,354	934,842	3,343,196
2021-22	1,305,901	3,818,180	5,124,081
2022-23	1,423,067	5,339,948	6,763,015
<u>2023-24</u>	515,120	5,904,563	6,419,683
<b>Total Loss &amp; ALAE</b>	<b>\$18,201,296</b>	<b>\$20,426,482</b>	<b>\$38,627,778</b>
<b>ULAE</b>		<b>1,400,000</b>	<b>1,400,000</b>
<b>Total Loss &amp; LAE</b>	<b>\$18,201,296</b>	<b>\$21,826,482</b>	<b>\$40,027,778</b>

<sup>1</sup> Loss & ALAE liabilities are limited to ICRMA's self-insured retention, at expected (no risk margin), and not discounted to reflect net present value.

**Losses by Component**

The following graphs illustrate our selected ultimate loss and ALAE amount for each accident year, and segregates each ultimate into its component parts of (1) amounts already paid, (2) amounts already reserved for individual claims, and (3) IBNR reserves to cover both unreported claims as well as any adverse development on known claims.

**Ultimate Loss & ALAE by Component**  
As of June 30, 2024<sup>1</sup>



<sup>1</sup> Projected 2024-25 year is informational and displayed for comparison purposes.

## METHODOLOGY

The methodology that we have used to estimate ultimate Loss & LAE liabilities is in accordance with standard actuarial principles. The 6-step process described below outlines the methods used to calculate the liabilities.

1. Estimate Ultimate Loss & ALAE: The ultimate value of losses associated with a given policy year is usually not known until many years after the policy year has expired. One estimate of future payments for a given policy year is the case reserve. However, to accurately project future payments for a given policy year, we also calculate indicated IBNR reserves that consider the following three factors:
  - The amount that case reserves are redundant or deficient.
  - Losses that occurred during the policy period but have not yet been reported. This is called “Pure IBNR”.
  - Future payments on claims which are closed but will reopen in the future.

Our approach to the problem of estimating the program’s ultimate pooled loss costs is a multi-step process. First, we estimated the ultimate loss cost for the first \$100,000 and \$1 million of each occurrence for all of the currently participating members, and then estimated the relationship of these costs to the cost of the limits for which ICRMA is responsible. Second, we estimated the cost of the \$100,000 to \$1 million layer directly. We then constructed a mathematical equation for the distribution of ICRMA’s losses by size by trending and developing ICRMA’s individual claims from historical program years. Next, using the loss distribution, the \$100,000 – \$1,000,000 ultimate loss rate, and our selected loss development patterns, we then estimated the ultimate losses of the excess layers.

The following actuarial techniques were applied to the program’s loss data to estimate the ultimate cost of claims in the \$0 - \$250,000, \$0 - \$1,000,000 and \$250,000 - \$1,000,000 layers:

- Reported Loss Development: Includes paid losses and case reserves.
- Paid Loss Development: Based on payments only.
- Reported Exposure Method: This calculates IBNR based on expected ultimate loss times an IBNR factor. For the first layer of losses, the expected ultimate loss is based on exposure times initial loss rates. These loss rates are based on historical losses in that layer developed to ultimate using loss development factors. The loss rates in the higher layer incorporate increased limits factors based on ICRMA’s historical losses and industry data. Where appropriate,

historical data is adjusted for both claims and exposure trend, to reflect issues such as inflation, benefit level changes, and legal changes.

- Paid Exposure Method: This calculates unpaid costs based on expected ultimate loss times an unpaid factor. The loss rates are identical to those utilized in the reported exposure method.
  - Frequency x Severity: This calculates ultimate costs based on expected ultimate severity and expected ultimate frequency derived from historical experience.
2. Select Ultimate Loss & ALAE: Based on the indicated ultimate loss and ALAE from the various methods described previously, the ultimate losses by year are selected.
  3. Calculate Expected Undiscounted Unpaid Loss & ALAE: Unpaid loss & ALAE equals ultimate Loss & ALAE (calculated in step #2, above) minus payments to date.
  4. Discounting/Net Present Value: Since payments associated with claims liabilities will be spread out over several years, they are discounted to reflect anticipated investment income on the assets set aside to pay these costs. The expected Loss & ALAE payout pattern is based on the paid loss development factors previously described.
  5. Claims Administration: Liabilities associated with claims administration expenses are calculated based on the average cost per claim method.

For the average cost per claim method, we first develop an average cost per claim by comparing historical ULAE costs to historical claim counts. We then apply this cost per claim to open and IBNR claims to arrive at the ULAE liability.

6. Confidence Levels: The “expected” estimate of unpaid Loss & ALAE is our best estimate given current information. However, there is uncertainty inherent in the claims settlement process. This uncertainty is quantified via confidence levels. For example, we believe that future payments have a 75% chance of being less than the liabilities at the 75% confidence level and have only a 25% chance of exceeding the 75% confidence level estimates. The confidence levels are based on the Heckman Meyers approach.



## **CONSIDERATIONS AND KEY ASSUMPTIONS**

Several considerations should be taken into account when evaluating property/casualty claim liabilities and funding projections for upcoming years. The following is a list of issues that we have considered in this report, along with some key assumptions that we have made.

### **Data**

Data Quality: Our analysis is based on loss experience, exposure data, and other general and specific information provided to us by or on behalf of ICRMA. While we have not independently audited or verified this information, we have reviewed it for reasonability and internal consistency. We have assumed that the data is accurate and complete. Any material inaccuracy or omission could invalidate the conclusions in this report and should be brought to our attention immediately.

Exposure: The exposure base utilized in this study is payroll, which was provided to us by ICRMA. A list of exposure by year can be found in Appendix A, Page 26.

Claims: The claims data utilized in this study was provided to us by ICRMA.

Other Program Information: Key program information, including historical retentions, claims administration costs, other program costs, and program assets, were provided to us by ICRMA. We relied on this information without audit.

### **Key Dates**

Accounting Date: This study presents liabilities as of an accounting date of June 30, 2024.

Valuation Date: The data underlying this study are valued as of December 31, 2023.

Review Date and Information Date: We have not reflected any actual claims activity subsequent to the valuation date.

### **Accounting Standard**

The accounting standards applicable to this analysis follow the guidance promulgated by the Governmental Accounting Standards Board (GASB).

### **Other Actuarial Considerations**

Discounting to Reflect Net Present Value: Reserves in this report are presented on both a discounted and an undiscounted basis. At ICRMA's instruction, we have assumed that assets held for investment will generate an average annual rate of return of 3.0% over the time during which the loss liabilities are paid out. It should be noted that actual future

investment returns may vary significantly from this assumption, depending upon prevailing investment market conditions. This recommendation assumes that all earnings on the assets invested (which are equal to the recommended discounted reserve level) will accrue to the program. The discount for future earnings should only be reflected, however, when the total indicated funds are available for investment and are expected to earn the indicated yield rate until all claims are closed.

Uncertainty & Risk Margin: There is uncertainty regarding the ultimate cost of the reserves and funding amounts that are estimated in this report. Our estimates are presented both at the expected level (also known as the actuarial central estimate) and at higher confidence levels. The projections at higher confidence levels reflect uncertainty by including a risk margin for the potential of costs coming in higher than at the expected level.

Trending: We have adjusted historical payroll and claims costs to reflect inflation as well as other changes in the claims environment. The payroll, claim frequency, and claim cost trend factors by year are in Appendix A, Pages 26 and 20, respectively. We have also projected payroll and claim costs to account for future changes in cost levels.

External Influences: This analysis contemplates a continuation of current social, economic, judicial, and legislative trends. Historical changes have been reflected through the use of trend factors.

Homogeneity: The accuracy of loss estimates may be improved by subdividing loss experience into groups exhibiting similar characteristics. In evaluating ICRMA's loss experience, we considered all of the experience together.

Credibility: Credibility is a measure of the predictive value attached to a body of data. The degree to which consideration is given to homogeneity is related to the consideration of credibility. While making more homogeneous groupings may increase the credibility of the data, partitioning into cells too small to be reliable statistically may also decrease it. As discussed above, further subdivision of data (by individual department, for instance) would reduce the statistical credibility too greatly. This aggregation of data assumes that there has been a relatively stable distribution of exposures among various risk characteristics during the years included in this analysis.

Loss Development: The rate at which costs develop to their ultimate level was included in the calculation of loss development factors. The loss development factors are described in the Methodology section of this report.

Claim Emergence Patterns: The delay between the occurrence of claims and the recording of claims was considered in the estimation of loss development factors.

Claim Settlement Patterns: The rate at which claims are closed and the impact upon incurred losses are considered in the calculation of loss development factors.

Reopened Claim Potential: The effect of reopened claims is included in the calculation of loss development factors.

Claim Frequency and Average Claim Size: The average and potential claim frequency and average claim size have been measured and considered in the liability estimates.

Large Losses & Catastrophes: The impact of large losses and catastrophes have the potential to distort the results of actuarial analyses. We have mitigated this risk by separating loss development and loss rates into the lower layer (limited to \$250,000 per occurrence) and the excess layer. In addition, our net liability and funding estimates limit loss & ALAE to the appropriate SIR. Lastly, we have utilized industry size of loss curves and increased limits factors where we feel that ICRMA's experience is not fully credible.

Loss Limitations: Our projections are net of ICRMA's SIR. We have assumed that all relevant reinsurance purchased by ICRMA for costs above the SIR is collectible. The retentions used in the study are displayed by year in the Background section of this report.

Recoveries: The data underlying this report are net of salvage, subrogation and other recoveries.

Portfolio Transfers, Commutations, and Structured Settlements: No historical loss portfolio transfers or commutations have been reflected in this analysis. To the extent there are structured settlements, they have been reflected in the claims data utilized in this analysis.

Operational Changes: This analysis has not made special adjustment for any specific operational changes at ICRMA or within its member cities.

Reasonableness: We have established the reasonability of our results by utilizing standard actuarial techniques and reasonable assumptions.

Claims Administration Costs (Unallocated Loss Adjustment Expense or ULAE): ULAE costs have been included in our estimate of outstanding liabilities as well as funding for future program years.

Other Program Costs: Our estimate of the funding amounts for future program years:

- excludes general claims administration and other expenses associated with the program as provided by ICRMA, and
- excludes contributions for excess insurance to cover claims or portions of claims that fall outside the program, costs for loss control, overhead, and other expenses associated with the program.

## **CONDITIONS AND LIMITATIONS**

It is important to recognize that the projections in this report are estimates at one point in time and are subject to future changes. Since the emergence and settlement of claims are subject to uncertainty, actual developments likely will vary, perhaps significantly, from the amounts carried in this report. No warranty is expressed or implied that such variance will not occur. The accuracy of the conclusions in this report depends on many factors, including the following:

Loss Activity since the Evaluation Date: The losses in this study were valued as of December 31, 2023. It is possible that there has been significant loss activity that has occurred since that date which would change the findings of this report.

Data Accuracy: This report relies on unaudited loss and exposure information provided by ICRMA. The accuracy of our projections relies on the accuracy of this data.

Loss Development: The appropriateness of ICRMA's historical and industry loss development patterns in projecting future loss development.

Trend Changes: The appropriateness of the trend indices used to adjust historical losses.

Discounting/Net Present Value: Our estimates that are discounted to reflect net present value assume a certain investment return on assets. This adjustment to reflect net present value is inaccurate to the extent that actual investment returns deviate from the assumed returns.

Insurance: Our estimates assume that all excess insurance is valid and collectible. Further, our funding recommendations do not include a provision for losses greater than ICRMA's excess coverage.

Future Law Changes: We cannot predict, nor have we attempted to predict, the impact of future law changes and court rulings on claims costs.

New Classes of Claims: Our projections make no provision for the extraordinary future emergence of new classes of loss or types of loss not sufficiently represented in ICRMA's historical data, or which are not yet quantifiable.

## **DISTRIBUTION AND USE**

This report was prepared for the sole use of ICRMA, its auditors, and the representatives of its members. This report is neither intended nor necessarily suitable for any other use. It may be forwarded to regulatory authorities as required by law. Any other distribution of this report requires the express written consent of Bickmore Actuarial. If such consent is granted, the report should be forwarded in its entirety, including all exhibits and appendices. It should also be understood that Bickmore Actuarial would be available to answer any questions regarding this report and its conclusions.

## **GLOSSARY OF ACTUARIAL TERMS**

**Accident Year** – Year during which the accidents that generate a group of claims occurs, regardless of when the claims are reported, payments are made, or reserves are established.

**Allocated Loss Adjustment Expenses (ALAE)** – Expense incurred in settling claims that can be directly attributed to specific individual claims (e.g., legal fees, investigative fees, court charges, utilization review, bill review, etc.)

**Benefit Level Factor** – Factor used to adjust historical losses to the current level of workers' compensation benefits.

**Case Reserve** – The amount left to be paid on an open claim, as estimated by the claims administrator.

**Claim Count Development Factor** – A factor that is applied to the number of claims reported in a particular accident period in order to estimate the number of claims that will ultimately be reported.

**Claim Frequency** – Number of claims per \$1 million of payroll.

**Confidence Level** – An estimated probability that a given level of funding will be adequate to pay actual claims costs. For example, the 85% confidence level refers to an estimate for which there is an 85% chance that the amount will be sufficient to pay loss costs.

**Discount Factor** – A factor to adjust estimated loss costs to reflect net present value.

**Expected Losses** – The best estimate of the full, ultimate value of losses.

**Exposure Base** – An objective and easily measurable quantity that is correlated with loss. Commonly used exposure bases include payroll, population, revenue, number of employees (FTE), average daily attendance (ADA), number of vehicles and total insured value (TIV).

**Incurred but not Reported (IBNR) Losses** – This is the ultimate value of losses less any amount that has been paid to date or set up as a case reserve by the claims adjuster. It includes amounts for claims incurred but not yet received by the administrator as well as loss development on already reported claims.

**Loss Adjustment Expense** – The sum of Allocated Loss Adjustment Expense (ALAE) and Unallocated Loss Adjustment Expense (ULAE).

**Loss Development Factor** – A factor applied to losses for a particular accident period to reflect the fact that reported and paid losses do not reflect final values until all claims are settled. See the Methodology section.

**Loss Rate** – Ultimate losses per \$100 of payroll.

**Non-Claims Related Expenses** – Program expenses not directly associated with claims settlement and administration, such as excess insurance, safety program expenses, and general overhead. These exclude expenses associated with loss settlements (Indemnity/Medical, BI/PD), legal expenses associated with individual claims (ALAE), and claims administration (ULAE).

**Outstanding Losses** – Losses that have been incurred but not paid. This is the ultimate value of losses less any amount that has been paid.

**Paid Losses** – Losses actually paid on all reported claims.

**Program Losses** – Losses, including ALAE, limited to the SIR for each occurrence.

**Reported Losses** – The total expected value of losses as estimated by the claims administrator. This is the sum of paid losses and case reserves.

**Self-Insured Retention (SIR)** – The level at which an excess insurance policy is triggered to begin payments on a claim. Financially, this is similar to an insurance deductible.

**Severity** – Average claim cost.

**Ultimate Losses** – The value of claim costs at the time when all claims have been settled. This amount must be estimated until all claims are actually settled.

**Unallocated Loss Adjustment Expenses (ULAE)** – Claim settlement expenses that cannot be directly attributed to individual claims (e.g., claims administration expenses, taxes, etc.)

## **EXHIBITS AND APPENDICES**



ICRMA - Excess Liability  
Pooled Layer

Funding Options for Program Year 2024-2025 Losses  
Undiscounted

2024-2025

(A) Selected Undiscounted \$250K - \$2M Base Rate: \$4.684

(B) Confidence Level Factors:	Expected	70%	75%	80%	85%	90%	95%
	1.000	1.273	1.385	1.510	1.663	1.864	2.164

(C) Undiscounted \$250K - \$2M Base Rates:	\$4.684	\$5.963	\$6.487	\$7.073	\$7.789	\$8.731	\$10.136
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MRL	MRL Discount	Rates	Rates	Rates	Rates	Rates	Rates	Rates
100,000	1.339	\$6.271	\$7.983	\$8.684	\$9.469	\$10.427	\$11.688	\$13.569
150,000	1.213	5.683	7.235	7.870	8.581	9.450	10.593	12.298
200,000	1.061	4.969	6.326	6.882	7.504	8.264	9.263	10.754
250,000	1.000	4.684	5.963	6.487	7.073	7.789	8.731	10.136
300,000	0.927	4.340	5.525	6.010	6.553	7.217	8.089	9.391
350,000	0.846	3.962	5.044	5.487	5.983	6.589	7.385	8.574
400,000	0.758	3.551	4.520	4.918	5.362	5.905	6.619	7.684
500,000	0.657	3.076	3.917	4.261	4.646	5.116	5.735	6.657
700,000	0.507	2.376	3.024	3.290	3.587	3.950	4.428	5.141
750,000	0.480	2.250	2.864	3.116	3.397	3.741	4.193	4.868
1,000,000	0.364	1.704	2.169	2.360	2.573	2.834	3.176	3.687
1,500,000	0.192	0.898	1.143	1.244	1.356	1.494	1.674	1.944
1,750,000	0.095	0.445	0.566	0.616	0.672	0.740	0.829	0.963
2,000,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3,000,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
\$100K-\$250K		\$1.587	\$2.020	\$2.197	\$2.396	\$2.638	\$2.957	\$3.433
\$250K-\$300K		0.344	0.438	0.477	0.520	0.572	0.642	0.745
\$300K-\$400K		0.789	1.005	1.092	1.191	1.312	1.470	1.707
\$400K-\$500K		0.475	0.603	0.657	0.716	0.789	0.884	1.027
\$500K-\$750K		0.826	1.053	1.145	1.249	1.375	1.542	1.789
\$750K-\$1M		0.546	0.695	0.756	0.824	0.907	1.017	1.181
\$1M-\$1.5M		0.806	1.026	1.116	1.217	1.340	1.502	1.743
\$1.5M-\$1.75M		0.453	0.577	0.628	0.684	0.754	0.845	0.981
\$1.75M-\$2M		0.445	0.566	0.616	0.672	0.740	0.829	0.963
\$2M-\$3M		1.237	1.575	1.713	1.868	2.057	2.306	2.677
\$3M-\$4M		0.930	1.184	1.288	1.404	1.547	1.734	2.013
\$4M-\$5M		0.620	0.789	0.859	0.936	1.031	1.156	1.342
\$5M-\$6M		0.876	1.115	1.213	1.323	1.457	1.633	1.896
\$6M-\$8M		0.473	0.602	0.655	0.714	0.787	0.882	1.024

Undiscounted:

\$250K-\$2M	\$4.684	\$5.963	\$6.487	\$7.073	\$7.789	\$8.731	\$10.136
\$300K-\$2M	4.340	5.525	6.010	6.553	7.217	8.089	9.391
\$400K-\$2M	3.551	4.520	4.918	5.362	5.905	6.619	7.684
\$500K-\$2M	3.076	3.917	4.261	4.646	5.116	5.735	6.657
\$750K-\$2M	2.250	2.864	3.116	3.397	3.741	4.193	4.868
\$1M-\$2M	1.704	2.169	2.360	2.573	2.834	3.176	3.687
\$1.5M-\$2M	0.898	1.143	1.244	1.356	1.494	1.674	1.944
\$1.75M-\$2M	0.445	0.566	0.616	0.672	0.740	0.829	0.963
\$2M-\$3M	1.237	1.575	1.713	1.868	2.057	2.306	2.677
\$3M-\$4M	0.930	1.184	1.288	1.404	1.547	1.734	2.013
\$4M-\$5M	0.620	0.789	0.859	0.936	1.031	1.156	1.342

ICRMA - Excess Liability  
Pooled Layer

Funding Options for Program Year 2024-2025 Losses  
Discounted at 3.00%

		<u>2024-2025</u>							
(A)	Selected Undiscounted \$250K - \$2M Base Rate:	\$4.684							
(B)	Discount Factor for Future Funding (Based on 3.00%):	0.866							
(C)	Discounted \$250K - \$2M Base Rate:	\$4.055							
(D)	Confidence Level Factors:	Expected	70%	75%	80%	85%	90%	95%	
		1.000	1.273	1.385	1.510	1.663	1.864	2.164	
(E)	Discounted \$250K - \$2M Base Rates:	\$4.055	\$5.162	\$5.616	\$6.123	\$6.743	\$7.559	\$8.775	
	MRL	MRL Discount	Rates	Rates	Rates	Rates	Rates	Rates	
	100,000	1.339	\$5.428	\$6.910	\$7.518	\$8.197	\$9.027	\$10.119	\$11.747
	150,000	1.213	4.920	6.263	6.814	7.429	8.181	9.171	10.646
	200,000	1.061	4.302	5.477	5.958	6.496	7.154	8.020	9.310
	250,000	1.000	4.055	5.162	5.616	6.123	6.743	7.559	8.775
	300,000	0.927	3.757	4.783	5.203	5.673	6.248	7.004	8.130
	350,000	0.846	3.430	4.366	4.750	5.179	5.704	6.394	7.423
	400,000	0.758	3.074	3.913	4.257	4.642	5.112	5.730	6.652
	500,000	0.657	2.663	3.390	3.689	4.022	4.429	4.965	5.764
	700,000	0.507	2.057	2.618	2.848	3.105	3.420	3.834	4.450
	750,000	0.480	1.948	2.479	2.697	2.941	3.239	3.630	4.215
	1,000,000	0.364	1.475	1.878	2.043	2.228	2.453	2.750	3.192
	1,500,000	0.192	0.778	0.990	1.077	1.174	1.293	1.449	1.683
	1,750,000	0.095	0.385	0.490	0.533	0.582	0.640	0.718	0.833
	2,000,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	3,000,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	\$100K-\$250K		\$1.373	\$1.748	\$1.902	\$2.074	\$2.284	\$2.560	\$2.972
	\$250K-\$300K		0.298	0.379	0.413	0.450	0.495	0.555	0.645
	\$300K-\$400K		0.683	0.870	0.946	1.031	1.136	1.274	1.478
	\$400K-\$500K		0.411	0.523	0.568	0.620	0.683	0.765	0.888
	\$500K-\$750K		0.715	0.911	0.992	1.081	1.190	1.335	1.549
	\$750K-\$1M		0.473	0.601	0.654	0.713	0.786	0.880	1.023
	\$1M-\$1.5M		0.697	0.888	0.966	1.054	1.160	1.301	1.509
	\$1.5M-\$1.75M		0.393	0.500	0.544	0.592	0.653	0.731	0.850
	\$1.75M-\$2M		0.385	0.490	0.533	0.582	0.640	0.718	0.833
	\$2M-\$3M		1.071	1.364	1.483	1.617	1.781	1.996	2.318
	\$3M-\$4M		0.805	1.025	1.115	1.215	1.339	1.501	1.743
	\$4M-\$5M		0.537	0.683	0.744	0.810	0.893	1.001	1.162
	\$5M-\$6M		0.758	0.965	1.050	1.145	1.261	1.414	1.641
	\$6M-\$8M		0.409	0.521	0.567	0.618	0.681	0.764	0.886
	<u>Discounted:</u>								
	\$250K-\$2M		\$4.055	\$5.162	\$5.616	\$6.123	\$6.743	\$7.559	\$8.775
	\$300K-\$2M		3.757	4.783	5.203	5.673	6.248	7.004	8.130
	\$400K-\$2M		3.074	3.913	4.257	4.642	5.112	5.730	6.652
	\$500K-\$2M		2.663	3.390	3.689	4.022	4.429	4.965	5.764
	\$750K-\$2M		1.948	2.479	2.697	2.941	3.239	3.630	4.215
	\$1M-\$2M		1.475	1.878	2.043	2.228	2.453	2.750	3.192
	\$1.5M-\$2M		0.778	0.990	1.077	1.174	1.293	1.449	1.683
	\$1.75M-\$2M		0.385	0.490	0.533	0.582	0.640	0.718	0.833
	\$2M-\$3M		1.071	1.364	1.483	1.617	1.781	1.996	2.318
	\$3M-\$4M		0.805	1.025	1.115	1.215	1.339	1.501	1.743
	\$4M-\$5M		0.537	0.683	0.744	0.810	0.893	1.001	1.162

ICRMA - Excess Liability  
Pooled Layer

Selected Base Loss Rate (\$250K - \$2M Layer)

(A) Estimated based on \$1M Ultimate Less \$250K Ultimate:	\$2.940
(B) Estimated based on \$750K xs \$250K Analysis:	\$3.020
(C) Prior Selected Base Loss Rate (\$250K - \$1M Layer):	\$2.943
(D) Selected Base Loss Rate (\$250K - \$1M Layer):	\$2.980
(E) Factor to \$250K - \$2M Layer:	1.572
(F) Selected Base Loss Rate (\$250K - \$2M Layer):	\$4.684

ICRMA - Excess Liability  
Pooled Layer

Discount Factor: 3.00%

Age (A)	\$250K - \$1M Paid LDF (B)	SIR Adjusted LDF (C)	Payment Pattern (D)	3.00% Discounted Reserve (E)	Undiscounted Reserve (F)	Discount Factor (G)
30	1.003	1.002	0.3%	0.003	0.003	0.985
29	1.004	1.003	0.1%	0.004	0.004	0.962
28	1.005	1.004	0.1%	0.004	0.005	0.945
27	1.006	1.005	0.1%	0.005	0.006	0.931
26	1.007	1.006	0.1%	0.007	0.007	0.920
25	1.009	1.007	0.2%	0.008	0.009	0.911
24	1.012	1.009	0.2%	0.010	0.011	0.905
23	1.015	1.011	0.3%	0.013	0.014	0.900
22	1.018	1.014	0.4%	0.016	0.018	0.896
21	1.023	1.018	0.3%	0.018	0.021	0.886
20	1.026	1.021	0.4%	0.021	0.024	0.880
19	1.029	1.025	0.4%	0.025	0.028	0.872
18	1.032	1.029	0.4%	0.028	0.032	0.863
17	1.035	1.033	0.4%	0.031	0.036	0.855
16	1.038	1.038	0.5%	0.035	0.041	0.848
15	1.041	1.043	0.5%	0.038	0.045	0.839
14	1.044	1.048	0.5%	0.042	0.050	0.832
13	1.047	1.053	0.7%	0.047	0.057	0.828
12	1.054	1.061	0.8%	0.054	0.065	0.827
11	1.064	1.070	1.4%	0.067	0.080	0.836
10	1.086	1.087	2.7%	0.091	0.106	0.855
9	1.129	1.119	4.4%	0.132	0.150	0.876
8	1.212	1.177	6.3%	0.190	0.214	0.890
7	1.362	1.272	8.6%	0.269	0.300	0.899
6	1.597	1.428	11.2%	0.372	0.412	0.903
5	1.952	1.700	17.9%	0.537	0.590	0.910
4	2.928	2.442	22.3%	0.742	0.814	0.911
3	6.832	5.371	14.0%	0.858	0.953	0.900
2	27.949	21.502	4.4%	0.876	0.998	0.878
1	295.615	467.705	0.2%	0.853	1.000	0.853
0						0.866

## Notes:

- (A) Age from start of year.
- (B) Paid loss development factors.
- (C) (B) adjusted for SIRs.
- (D) Selected percentage of ultimate loss paid during the year.
- (E) (D) discounted 6 months + the discounted reserves one year above discounted 12 months.
- (F) Summation of future (D) values. This is the percent of ultimate loss unpaid at the beginning of the year.
- (G) (E) / (F).

ICRMA - Excess Liability

Increased Limits Factors

Pool (\$000's)																											
Year	\$100K	\$150K	\$200K	\$250K	\$300K	\$350K	\$400K	\$500K	\$700K	\$750K	\$1M	\$1.5M	\$1.75M	\$2M	\$3M	\$4M	\$5M	\$6M	\$7M	\$8M	\$9M	\$10M	\$11M	\$12M	\$13M	\$20M	Unlimited
2011-2012	9,125	11,334	12,976	14,227	15,258	16,258	17,125	18,430	20,639	21,089	23,006	25,899	26,982	27,982	31,146	33,924	35,924	37,924	39,796	40,796	41,796	42,796	43,150	43,150	43,150	43,150	43,150
2012-2013	8,600	10,501	11,967	13,243	14,467	15,584	16,684	18,724	22,184	22,935	26,052	30,849	32,849	34,649	40,048	43,048	45,643	47,643	48,737	48,737	48,737	48,737	48,737	48,737	48,737	48,737	48,737
2013-2014	8,225	10,038	11,538	12,716	13,666	14,531	15,315	16,709	19,198	19,798	22,180	24,988	26,238	27,488	32,081	35,312	38,312	41,312	44,312	47,312	50,312	53,312	56,312	59,312	62,075	73,062	74,647
2014-2015	9,033	10,992	12,592	14,043	15,395	16,514	17,471	19,028	21,412	21,820	23,570	25,498	26,030	26,530	27,641	28,641	28,916	28,916	28,916	28,916	28,916	28,916	28,916	28,916	28,916	28,916	28,916
2015-2016	8,016	9,851	11,326	12,568	13,535	14,283	14,941	16,010	17,908	18,358	20,284	23,324	24,824	26,077	30,422	33,608	36,608	39,608	42,596	44,596	46,596	48,596	49,758	50,758	51,758	58,758	62,796
2016-2017	8,539	10,779	12,417	13,659	14,806	15,846	16,796	18,666	21,887	22,574	25,477	29,014	30,514	32,014	36,637	39,637	42,637	45,637	47,958	48,958	49,958	50,958	51,958	52,958	53,958	57,710	57,710
2017-2018	6,324	7,840	8,939	9,943	10,893	11,750	12,471	13,625	15,239	15,589	17,268	19,488	20,488	21,488	23,895	24,408	24,408	24,408	24,408	24,408	24,408	24,408	24,408	24,408	24,408	24,408	24,408
2018-2019	7,619	9,595	11,133	12,491	13,783	14,921	15,971	17,889	20,661	21,252	23,743	27,316	28,658	29,908	34,343	37,445	39,445	41,156	42,156	43,156	44,156	45,156	46,156	47,156	48,156	55,156	64,103
2019-2020	9,368	12,022	14,140	15,986	17,571	19,001	20,309	22,639	26,247	27,047	30,694	35,445	37,389	39,075	43,577	46,577	48,919	50,919	52,919	54,919	56,919	58,919	60,919	62,919	64,600	64,922	64,922
2020-2021	9,005	12,001	14,542	16,676	18,332	19,710	20,810	22,826	25,631	26,231	29,051	33,004	34,306	35,153	36,387	36,387	36,387	36,387	36,387	36,387	36,387	36,387	36,387	36,387	36,387	36,387	36,387
2021-2022	12,320	16,104	19,105	21,324	22,928	24,214	25,318	27,102	29,602	30,002	31,609	32,322	32,443	32,443	32,443	32,443	32,443	32,443	32,443	32,443	32,443	32,443	32,443	32,443	32,443	32,443	32,443
2022-2023	12,488	15,524	17,579	19,336	20,875	22,160	23,204	24,405	25,731	25,961	26,906	27,227	27,227	27,227	27,227	27,227	27,227	27,227	27,227	27,227	27,227	27,227	27,227	27,227	27,227	27,227	27,227
11/12-22/23	108,662	136,580	158,254	176,214	191,509	204,773	216,415	236,053	266,339	272,656	299,840	334,374	347,949	360,034	395,846	418,655	436,868	453,580	467,856	477,856	487,856	497,856	506,371	514,371	521,815	550,876	565,445
16/17-22/23	65,663	83,864	97,855	109,416	119,187	127,602	134,879	147,152	164,999	168,656	184,749	203,816	211,026	217,308	234,509	244,123	251,466	258,177	263,499	267,499	271,499	275,499	279,499	283,499	287,179	298,253	307,200
Ratio of Limit to \$250K Losses:																											
Year	\$100K	\$150K	\$200K	\$250K	\$300K	\$350K	\$400K	\$500K	\$700K	\$750K	\$1M	\$1.5M	\$1.75M	\$2M	\$3M	\$4M	\$5M	\$6M	\$7M	\$8M	\$9M	\$10M	\$11M	\$12M	\$13M	\$20M	Unlimited
2011-2012	0.641	0.797	0.912	1.000	1.072	1.143	1.204	1.295	1.451	1.482	1.617	1.820	1.896	1.967	2.189	2.384	2.525	2.666	2.797	2.867	2.938	3.008	3.033	3.033	3.033	3.033	3.033
2012-2013	0.649	0.793	0.904	1.000	1.092	1.177	1.260	1.414	1.675	1.732	1.967	2.330	2.481	2.616	3.024	3.251	3.447	3.598	3.680	3.680	3.680	3.680	3.680	3.680	3.680	3.680	3.680
2013-2014	0.647	0.789	0.907	1.000	1.075	1.143	1.204	1.314	1.510	1.557	1.744	1.965	2.063	2.162	2.523	2.777	3.013	3.249	3.485	3.721	3.956	4.192	4.428	4.664	4.882	5.745	5.870
2014-2015	0.643	0.783	0.897	1.000	1.096	1.176	1.244	1.355	1.525	1.554	1.678	1.816	1.854	1.889	1.968	2.040	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059
2015-2016	0.638	0.784	0.901	1.000	1.077	1.136	1.189	1.274	1.425	1.461	1.614	1.856	1.975	2.075	2.421	2.674	2.913	3.151	3.389	3.548	3.707	3.867	3.959	4.039	4.118	4.675	4.996
2016-2017	0.625	0.789	0.909	1.000	1.084	1.160	1.230	1.367	1.602	1.653	1.865	2.124	2.234	2.344	2.682	2.902	3.121	3.341	3.511	3.584	3.657	3.731	3.804	3.877	3.950	4.225	4.225
2017-2018	0.636	0.789	0.899	1.000	1.096	1.182	1.254	1.370	1.533	1.568	1.737	1.960	2.061	2.161	2.403	2.455	2.455	2.455	2.455	2.455	2.455	2.455	2.455	2.455	2.455	2.455	2.455
2018-2019	0.610	0.768	0.891	1.000	1.103	1.194	1.279	1.432	1.654	1.701	1.901	2.187	2.294	2.394	2.749	2.998	3.158	3.295	3.375	3.455	3.535	3.615	3.695	3.775	3.855	4.416	5.132
2019-2020	0.586	0.752	0.885	1.000	1.099	1.189	1.270	1.416	1.642	1.692	1.920	2.217	2.339	2.444	2.726	2.914	3.060	3.185	3.310	3.435	3.561	3.686	3.811	3.936	4.041	4.061	4.061
2020-2021	0.540	0.720	0.872	1.000	1.099	1.182	1.248	1.369	1.537	1.573	1.742	1.979	2.057	2.108	2.182	2.182	2.182	2.182	2.182	2.182	2.182	2.182	2.182	2.182	2.182	2.182	2.182
2021-2022	0.578	0.755	0.896	1.000	1.075	1.136	1.187	1.271	1.388	1.407	1.482	1.516	1.521	1.521	1.521	1.521	1.521	1.521	1.521	1.521	1.521	1.521	1.521	1.521	1.521	1.521	1.521
2022-2023	0.646	0.803	0.909	1.000	1.080	1.146	1.200	1.262	1.331	1.343	1.392	1.408	1.408	1.408	1.408	1.408	1.408	1.408	1.408	1.408	1.408	1.408	1.408	1.408	1.408	1.408	1.408
11/12-22/23	0.617	0.775	0.898	1.000	1.087	1.162	1.228	1.340	1.511	1.547	1.702	1.898	1.975	2.043	2.246	2.376	2.479	2.574	2.655	2.712	2.769	2.825	2.874	2.919	2.961	3.126	3.209
16/17-22/23	0.600	0.766	0.894	1.000	1.089	1.166	1.233	1.345	1.508	1.541	1.688	1.863	1.929	1.986	2.143	2.231	2.298	2.360	2.408	2.445	2.481	2.518	2.554	2.591	2.625	2.726	2.808
Industry	0.641	0.789	0.905	1.000	1.081	1.151	1.212	1.316	1.473	1.505	1.636	1.810	1.867	1.924	2.072	2.150	2.210	1.554	1.578	1.596	1.612	2.496				2.623	2.673
Prior	0.622	0.762	0.932	1.000	1.082	1.172	1.270	1.383	1.550	1.580	1.710	1.902	2.010	2.116	2.380	2.579	2.711	2.898	2.999	3.100	3.124	3.148	3.172	3.197	3.222	3.400	3.500
Selected	0.622	0.762	0.932	1.000	1.082	1.172	1.270	1.383	1.550	1.580	1.710	1.902	2.010	2.116	2.380	2.579	2.711	2.898	2.999	3.100	3.124	3.148	3.172	3.197	3.222	3.400	3.500

ICRMA - Excess Liability  
Pooled Layer

Outstanding Liabilities

(A) Selected Ultimate Losses:			\$211,143,000
(B) Actual Paid as of 12/31/23:			168,342,000
(C) Projected Paid 1/1/24 to 6/30/24:			\$4,173,000
(D) Outstanding Loss & ALAE as of 6/30/24:			\$38,628,000
Outstanding ULAE as of 6/30/24:			1,400,000
Outstanding Loss & LAE as of 6/30/24:			\$40,028,000
(E) Discount Factor: 3.00%			0.889
(F) Discounted Outstanding Loss & ALAE as of 6/30/24:			\$34,350,000
Discounted Outstanding ULAE as of 6/30/24:			1,245,000
Discounted Outstanding Loss & LAE as of 6/30/24:			\$35,595,000
(G) Confidence Level	Factor	Undiscounted Outstanding	Discounted Outstanding
70%	1.200	\$48,034,000	\$42,714,000
75%	1.277	51,116,000	45,455,000
80%	1.364	54,598,000	48,552,000
85%	1.467	58,721,000	52,218,000
90%	1.601	64,085,000	56,988,000
95%	1.799	72,010,000	64,035,000

ICRMA - Excess Liability  
Pooled Layer

Selected Ultimate Loss by Program Year

Program Year	Prior Ultimate Losses (A)	Exposure & Development Method Ultimate Losses (B)	Exposure Method Ultimate Losses (C)	Selected Ultimate Losses (D)	90% CL Selected Ultimate Losses (E)
2000-2001	\$3,304,733	\$3,305,000	\$2,583,000	\$3,304,733	\$3,305,000
2001-2002	2,677,792	2,678,000	2,918,000	2,677,792	2,678,000
2002-2003	4,164,509	4,165,000	3,264,000	4,164,509	4,165,000
2003-2004	9,873,715	9,874,000	6,628,000	9,873,715	9,874,000
2004-2005	6,744,535	6,745,000	7,089,000	6,744,535	6,745,000
2005-2006	1,946,448	1,946,000	7,477,000	1,946,448	1,946,000
2006-2007	5,174,937	5,175,000	7,227,000	5,174,937	5,175,000
2007-2008	5,360,614	5,361,000	7,601,000	5,360,614	5,361,000
2008-2009	4,940,446	4,940,000	8,084,000	4,940,446	4,940,000
2009-2010	1,383,057	1,383,000	8,789,000	1,383,057	1,383,000
2010-2011	5,659,802	5,660,000	12,399,000	5,659,802	5,660,000
2011-2012	8,963,225	8,963,000	16,507,000	8,963,225	8,963,000
2012-2013	19,727,608	19,728,000	16,856,000	19,727,608	19,728,000
2013-2014	25,257,738	25,478,000	16,765,000	25,309,845	25,310,000
2014-2015	10,827,410	11,343,000	17,765,000	10,827,410	10,827,000
2015-2016	18,754,000	21,424,000	18,133,000	21,424,000	25,695,000
2016-2017	13,814,250	12,022,000	12,956,000	12,489,000	13,355,000
2017-2018	10,093,400	9,380,000	11,102,000	10,241,000	11,698,000
2018-2019	10,416,000	12,354,000	10,051,000	10,657,600	11,680,000
2019-2020	10,320,000	13,600,000	10,105,000	11,331,450	13,919,000
2020-2021	9,979,400	10,548,000	7,263,000	9,270,626	11,280,000
2021-2022	6,991,600	5,416,000	7,117,000	6,266,500	9,346,000
2022-2023	7,007,000	6,269,000	6,965,000	6,965,000	11,030,000
2023-2024	5,910,000	6,182,000	6,439,000	6,439,000	10,297,000
Total	\$209,292,220	\$213,939,000	\$232,083,000	\$211,142,853	\$234,360,000

Notes:

- (A) From prior report.
- (B) From Summary Exhibit 4, Page 3, Column (G).
- (C) From Summary Exhibit 4, Page 4, Column (G).
- (D) Selected based on (A), (B) and (C).
- (E) Based on (D); Estimated at 90% Confidence Level.

ICRMA - Excess Liability  
Pooled Layer

Ultimate Losses - Based on Exposure and Development Method

Program Year	Payroll (\$00's) (A)	Reported Losses As of 12/31/23 (B)	Reported Loss Development Factor (C)	Percentage of Losses Yet to Be Reported (D)	Selected Pool Rate (E)	Incurred but not Reported (IBNR) (F)	Ultimate Program Losses (G)
2000-2001	\$5,134,851	\$3,304,733	1.000	0.000	0.503	\$0	\$3,305,000
2001-2002	5,495,956	2,677,792	1.000	0.000	0.531	0	2,678,000
2002-2003	5,736,258	4,164,509	1.000	0.000	0.569	0	4,165,000
2003-2004	6,306,409	9,873,715	1.000	0.000	1.051	0	9,874,000
2004-2005	6,432,564	6,744,535	1.000	0.000	1.102	0	6,745,000
2005-2006	6,428,968	1,946,448	1.000	0.000	1.163	0	1,946,000
2006-2007	6,114,473	5,174,937	1.000	0.000	1.182	0	5,175,000
2007-2008	5,851,327	5,360,614	1.000	0.000	1.299	0	5,361,000
2008-2009	5,858,178	4,940,446	1.000	0.000	1.380	0	4,940,000
2009-2010	6,246,928	1,383,057	1.000	0.000	1.407	0	1,383,000
2010-2011	6,027,951	5,659,802	1.000	0.000	2.057	0	5,660,000
2011-2012	5,699,810	8,963,225	1.000	0.000	2.896	0	8,963,000
2012-2013	5,517,539	19,727,608	1.000	0.000	3.055	0	19,728,000
2013-2014	5,344,422	25,309,845	1.010	0.010	3.137	167,655	25,478,000
2014-2015	5,360,590	10,827,410	1.030	0.029	3.314	515,185	11,343,000
2015-2016	5,286,469	20,390,705	1.061	0.057	3.430	1,033,558	21,424,000
2016-2017	4,803,976	10,816,775	1.103	0.093	2.697	1,204,938	12,022,000
2017-2018	4,154,769	7,869,925	1.158	0.136	2.672	1,509,810	9,380,000
2018-2019	3,964,790	10,494,688	1.227	0.185	2.535	1,859,388	12,354,000
2019-2020	4,975,569	11,154,067	1.319	0.242	2.031	2,445,502	13,600,000
2020-2021	4,944,259	8,202,235	1.477	0.323	1.469	2,345,987	10,548,000
2021-2022	5,172,403	1,408,764	2.289	0.563	1.376	4,006,998	5,416,000
2022-2023	5,260,946	690,090	5.036	0.801	1.324	5,579,359	6,269,000
2023-2024	5,668,321	0	25.180	0.960	1.136	6,181,644	6,182,000
Total		\$187,085,925				\$26,850,024	\$213,939,000

Notes:

- (A) Provided by ICRMA.
- (B) Provided by ICRMA.
- (C) From \$250K - \$1M loss development analysis.
- (D)  $1 / (1 - 1 / (C))$ .
- (E) From Summary Exhibit 4, Page 4, Column (E).
- (F)  $(A) \times (D) \times (E)$ .
- (G)  $(B) + (F)$ .



ICRMA - Excess Liability  
Pooled Layer

Ultimate Losses - Based on Exposure Method

Program Year	Selected Base Rate Based on 2024-2025 (A)	Detrend Factor (B)	Selected Base Rate (C)	Average MRL Discount Factor (D)	Selected Pool Rate (E)	Payroll (\$00's) (F)	Selected Ultimate Losses (G)
2000-2001	\$2.980	3.227	0.923	0.545	0.503	\$5,134,851	\$2,583,000
2001-2002	2.980	3.073	0.970	0.547	0.531	5,495,956	2,918,000
2002-2003	2.980	2.926	1.018	0.559	0.569	5,736,258	3,264,000
2003-2004	4.684	2.786	1.681	0.625	1.051	6,306,409	6,628,000
2004-2005	4.684	2.654	1.765	0.624	1.102	6,432,564	7,089,000
2005-2006	4.684	2.528	1.853	0.628	1.163	6,428,968	7,477,000
2006-2007	4.684	2.407	1.946	0.607	1.182	6,114,473	7,227,000
2007-2008	4.684	2.293	2.043	0.636	1.299	5,851,327	7,601,000
2008-2009	4.684	2.184	2.145	0.643	1.380	5,858,178	8,084,000
2009-2010	4.684	2.080	2.252	0.625	1.407	6,246,928	8,789,000
2010-2011	5.921	1.981	2.989	0.688	2.057	6,027,951	12,399,000
2011-2012	7.471	1.887	3.959	0.732	2.896	5,699,810	16,507,000
2012-2013	7.471	1.797	4.157	0.735	3.055	5,517,539	16,856,000
2013-2014	7.471	1.712	4.364	0.719	3.137	5,344,422	16,765,000
2014-2015	7.471	1.630	4.583	0.723	3.314	5,360,590	17,765,000
2015-2016	7.471	1.552	4.814	0.712	3.430	5,286,469	18,133,000
2016-2017	5.921	1.478	4.006	0.673	2.697	4,803,976	12,956,000
2017-2018	5.921	1.407	4.208	0.635	2.672	4,154,769	11,102,000
2018-2019	5.921	1.340	4.419	0.574	2.535	3,964,790	10,051,000
2019-2020	5.921	1.277	4.637	0.438	2.031	4,975,569	10,105,000
2020-2021	4.684	1.216	3.852	0.381	1.469	4,944,259	7,263,000
2021-2022	4.684	1.158	4.045	0.340	1.376	5,172,403	7,117,000
2022-2023	4.684	1.102	4.250	0.311	1.324	5,260,946	6,965,000
2023-2024	4.684	1.050	4.461	0.255	1.136	5,668,321	6,439,000
Total						\$131,787,724	\$232,083,000

Notes:

- (A) Based on Summary Exhibit 1, Page 4, (F) .
- (B) From \$250K - \$1M loss development analysis.
- (C) (A) / (B).
- (D) Based on Summary Exhibit 5, Page 1 through Page 8.
- (E) (C) x (D).
- (F) Provided by ICRMA.
- (G) (E) x (F).

ICRMA - Excess Liability  
Pooled Layer

Data Summary as of December 31, 2023

Program Year	Reported Claims As of 12/31/23 (A)	Closed Claims As of 12/31/23 (B)	Open Claims As of 12/31/23 (C)	Paid Losses As of 12/31/23 (D)	Case Reserves As of 12/31/23 (E)	Reported Losses As of 12/31/23 (F)
2000-2001	0	0	0	\$3,304,733	\$0	\$3,304,733
2001-2002	9	9	0	2,677,792	0	2,677,792
2002-2003	6	6	0	4,164,509	0	4,164,509
2003-2004	11	11	0	9,873,715	0	9,873,715
2004-2005	15	15	0	6,744,535	0	6,744,535
2005-2006	2	2	0	1,946,448	0	1,946,448
2006-2007	13	13	0	5,174,937	0	5,174,937
2007-2008	8	8	0	5,360,614	0	5,360,614
2008-2009	8	8	0	4,940,446	0	4,940,446
2009-2010	8	8	0	1,383,057	0	1,383,057
2010-2011	11	11	0	5,659,802	0	5,659,802
2011-2012	15	15	0	8,963,225	0	8,963,225
2012-2013	18	18	0	19,727,608	0	19,727,608
2013-2014	13	12	1	25,309,845	0	25,309,845
2014-2015	18	18	0	10,827,410	0	10,827,410
2015-2016	16	14	2	12,984,490	7,406,215	20,390,705
2016-2017	13	10	3	10,724,158	92,617	10,816,775
2017-2018	8	6	2	7,350,983	518,942	7,869,925
2018-2019	14	6	8	8,697,076	1,797,612	10,494,688
2019-2020	17	4	13	6,521,209	4,632,858	11,154,067
2020-2021	10	1	9	5,351,287	2,850,948	8,202,235
2021-2022	6	0	6	654,144	754,620	1,408,764
2022-2023	5	0	5	0	690,090	690,090
2023-2024	0	0	0	0	0	0
<b>Total</b>	<b>244</b>	<b>195</b>	<b>49</b>	<b>\$168,342,024</b>	<b>\$18,743,902</b>	<b>\$187,085,925</b>

ICRMA - Excess Liability  
Pooled Layer

Estimated IBNR as of December 31, 2023 and June 30, 2024

Program Year	Projected Ultimate Losses (A)	Reported Losses As of 12/31/23 (B)	Estimated IBNR As of 12/31/23 (C)	Reported		Estimated IBNR As of 06/30/24 (F)
				Losses From 01/01/24 to 06/30/24 (D)	Reported Losses As of 06/30/24 (E)	
2000-2001	\$3,304,733	\$3,304,733	\$0	\$0	\$3,304,733	\$0
2001-2002	2,677,792	2,677,792	0	0	2,677,792	0
2002-2003	4,164,509	4,164,509	0	0	4,164,509	0
2003-2004	9,873,715	9,873,715	0	0	9,873,715	0
2004-2005	6,744,535	6,744,535	0	0	6,744,535	0
2005-2006	1,946,448	1,946,448	0	0	1,946,448	0
2006-2007	5,174,937	5,174,937	0	0	5,174,937	0
2007-2008	5,360,614	5,360,614	0	0	5,360,614	0
2008-2009	4,940,446	4,940,446	0	0	4,940,446	0
2009-2010	1,383,057	1,383,057	0	0	1,383,057	0
2010-2011	5,659,802	5,659,802	0	0	5,659,802	0
2011-2012	8,963,225	8,963,225	0	0	8,963,225	0
2012-2013	19,727,608	19,727,608	0	0	19,727,608	0
2013-2014	25,309,845	25,309,845	0	0	25,309,845	0
2014-2015	10,827,410	10,827,410	0	0	10,827,410	0
2015-2016	21,424,000	20,390,705	1,033,295	259,357	20,650,062	773,938
2016-2017	12,489,000	10,816,775	1,672,225	314,378	11,131,153	1,357,847
2017-2018	10,241,000	7,869,925	2,371,075	372,259	8,242,184	1,998,816
2018-2019	10,657,600	10,494,688	162,912	21,016	10,515,704	141,896
2019-2020	11,331,450	11,154,067	177,383	20,931	11,174,998	156,452
2020-2021	9,270,626	8,202,235	1,068,391	133,549	8,335,784	934,842
2021-2022	6,266,500	1,408,764	4,857,736	1,039,556	2,448,320	3,818,180
2022-2023	6,965,000	690,090	6,274,910	934,962	1,625,052	5,339,948
2023-2024	6,439,000	0	3,219,500	534,437	534,437	5,904,563
<b>Total</b>	<b>\$211,142,853</b>	<b>\$187,085,925</b>	<b>\$20,837,427</b>	<b>\$3,630,445</b>	<b>\$190,716,370</b>	<b>\$20,426,482</b>

ICRMA - Excess Liability  
Pooled Layer

Paid Losses from 01/01/24 to 06/30/24 and from 07/01/24 to 06/30/25

Program Year	Projected Ultimate Losses (A)	Paid Losses As of 12/31/23 (B)	Outstanding Liability As of 12/31/23 (C)	Paid Losses From 01/01/24 to 06/30/24 (D)	Paid Losses As of 06/30/24 (E)	Outstanding Liability As of 06/30/24 (F)	Paid Losses From 07/01/24 to 06/30/25 (G)
2000-2001	\$3,304,733	\$3,304,733	\$0	\$0	\$3,304,733	\$0	\$0
2001-2002	2,677,792	2,677,792	0	0	2,677,792	0	0
2002-2003	4,164,509	4,164,509	0	0	4,164,509	0	0
2003-2004	9,873,715	9,873,715	0	0	9,873,715	0	0
2004-2005	6,744,535	6,744,535	0	0	6,744,535	0	0
2005-2006	1,946,448	1,946,448	0	0	1,946,448	0	0
2006-2007	5,174,937	5,174,937	0	0	5,174,937	0	0
2007-2008	5,360,614	5,360,614	0	0	5,360,614	0	0
2008-2009	4,940,446	4,940,446	0	0	4,940,446	0	0
2009-2010	1,383,057	1,383,057	0	0	1,383,057	0	0
2010-2011	5,659,802	5,659,802	0	0	5,659,802	0	0
2011-2012	8,963,225	8,963,225	0	0	8,963,225	0	0
2012-2013	19,727,608	19,727,608	0	0	19,727,608	0	0
2013-2014	25,309,845	25,309,845	0	0	25,309,845	0	0
2014-2015	10,827,410	10,827,410	0	0	10,827,410	0	0
2015-2016	21,424,000	12,984,490	8,439,510	1,333,443	14,317,933	7,106,067	2,181,563
2016-2017	12,489,000	10,724,158	1,764,842	324,731	11,048,889	1,440,111	499,719
2017-2018	10,241,000	7,350,983	2,890,017	465,293	7,816,276	2,424,724	829,256
2018-2019	10,657,600	8,697,076	1,960,524	258,789	8,955,865	1,701,735	491,801
2019-2020	11,331,450	6,521,209	4,810,241	505,075	7,026,284	4,305,166	1,003,104
2020-2021	9,270,626	5,351,287	3,919,339	576,143	5,927,430	3,343,196	865,888
2021-2022	6,266,500	654,144	5,612,356	488,275	1,142,419	5,124,081	1,173,415
2022-2023	6,965,000	0	6,965,000	201,985	201,985	6,763,015	777,747
2023-2024	6,439,000	0	3,219,500	19,317	19,317	6,419,683	211,850
2024-2025	6,963,000						20,889
Total	\$218,105,853	\$168,342,024	\$39,581,329	\$4,173,051	\$172,515,074	\$38,627,778	\$8,055,232

**Undiscounted Current Liabilities as of 06/30/24: \$8,034,343**

**Discounted Current Liabilities as of 06/30/24: \$7,916,473**

ICRMA - Excess Liability  
Pooled Layer

Discount Factors to be Applied to Overall Reserves

Program Year	Full Value of Reserve As of 12/31/23 (A)	Discount Factor (B)	Discounted Reserve As of 12/31/23 (C)	Full Value of Reserve As of 06/30/24 (D)	Discount Factor (E)	Discounted Reserve As of 06/30/24 (F)
2000-2001	\$0	0.908	\$0	\$0	0.911	\$0
2001-2002	0	0.902	0	0	0.905	0
2002-2003	0	0.898	0	0	0.900	0
2003-2004	0	0.891	0	0	0.896	0
2004-2005	0	0.883	0	0	0.886	0
2005-2006	0	0.876	0	0	0.880	0
2006-2007	0	0.867	0	0	0.872	0
2007-2008	0	0.859	0	0	0.863	0
2008-2009	0	0.851	0	0	0.855	0
2009-2010	0	0.843	0	0	0.848	0
2010-2011	0	0.835	0	0	0.839	0
2011-2012	0	0.830	0	0	0.832	0
2012-2013	0	0.828	0	0	0.828	0
2013-2014	0	0.832	0	0	0.827	0
2014-2015	0	0.845	0	0	0.836	0
2015-2016	8,439,510	0.865	7,303,596	7,106,067	0.855	6,076,765
2016-2017	1,764,842	0.883	1,558,289	1,440,111	0.876	1,261,046
2017-2018	2,890,017	0.895	2,585,514	2,424,724	0.890	2,158,650
2018-2019	1,960,524	0.901	1,766,866	1,701,735	0.899	1,529,870
2019-2020	4,810,241	0.907	4,361,205	4,305,166	0.903	3,889,442
2020-2021	3,919,339	0.911	3,568,985	3,343,196	0.910	3,041,854
2021-2022	5,612,356	0.905	5,081,675	5,124,081	0.911	4,669,850
2022-2023	6,965,000	0.889	6,191,359	6,763,015	0.900	6,083,566
2023-2024	3,219,500	0.866	2,787,009	6,419,683	0.878	5,638,500
<b>Total</b>	<b>\$39,581,329</b>		<b>\$35,204,498</b>	<b>\$38,627,778</b>		<b>\$34,349,543</b>

(G) Discount Factor at 12/31/23 for Overall Reserve: 0.889  
(H) Discount Factor at 6/30/24 for Overall Reserve: 0.889

ICRMA - Excess Liability  
Pooled Layer

Average MRL Discount Factor

	Payroll (00s) 2000-2001	MRL 2000-2001	MRL Discount 2000-2001	Payroll (00s) 2001-2002	MRL 2001-2002	MRL Discount 2001-2002	Payroll (00s) 2002-2003	MRL 2002-2003	MRL Discount 2002-2003
City of Adelanto	\$0	\$0	0.000	\$0	\$0	0.000	\$0	\$0	0.000
City of Alhambra	211,508	250,000	1.000	230,637	250,000	1.000	245,063	250,000	1.000
City of Arcadia	178,187	500,000	0.461	189,722	500,000	0.461	202,424	500,000	0.461
City of Azusa	181,382	500,000	0.461	188,296	500,000	0.461	175,622	500,000	0.461
City of Baldwin Park	102,942	250,000	1.000	109,054	250,000	1.000	115,325	250,000	1.000
City of Bell	53,084	100,000	1.532	59,368	100,000	1.532	64,738	100,000	1.532
City of Buena Park	0	0	0.000	0	0	0.000	0	0	0.000
City of Chino	161,534	250,000	1.000	192,654	250,000	1.000	203,354	250,000	1.000
City of Colton	183,888	500,000	0.461	203,861	500,000	0.461	228,695	500,000	0.461
City of Costa Mesa	0	0	0.000	0	0	0.000	0	0	0.000
City of Culver City	361,075	1,000,000	0.000	409,802	1,000,000	0.000	436,512	1,000,000	0.000
City of Downey	258,580	1,000,000	0.000	278,210	1,000,000	0.000	294,670	1,000,000	0.000
City of El Monte	255,814	250,000	1.000	274,078	250,000	1.000	283,515	250,000	1.000
City of El Segundo	198,808	400,000	0.620	207,302	400,000	0.620	251,497	400,000	0.620
City of Fullerton	370,260	1,000,000	0.000	396,356	1,000,000	0.000	401,014	1,000,000	0.000
City of Glendora	113,448	300,000	0.885	124,826	300,000	0.885	151,426	300,000	0.885
City of Hawthorne	180,650	250,000	1.000	209,312	250,000	1.000	234,052	250,000	1.000
City of Hermosa Beach	85,266	250,000	1.000	90,715	250,000	1.000	105,414	250,000	1.000
City of Huntington Park	111,551	250,000	1.000	113,629	250,000	1.000	125,309	250,000	1.000
City of Indio	0	100,000	1.532	0	100,000	1.532	0	0	0.000
City of Inglewood	432,321	1,000,000	0.000	446,077	1,000,000	0.000	397,000	1,000,000	0.000
City of La Habra	0	0	0.000	0	0	0.000	0	0	0.000
City of Lynwood	85,515	200,000	1.096	82,176	200,000	1.096	83,629	200,000	1.096
City of Manhattan Beach	156,601	250,000	1.000	164,362	250,000	1.000	173,365	250,000	1.000
City of Monrovia	141,714	300,000	0.885	154,974	300,000	0.885	161,766	300,000	0.885
City of Monterey Park	186,511	250,000	1.000	194,758	250,000	1.000	193,447	250,000	1.000
City of Palm Springs	0	0	0.000	0	300,000	0.885	0	300,000	0.885
City of Redondo Beach	294,217	500,000	0.461	310,082	500,000	0.461	321,632	500,000	0.461
City of San Fernando	71,462	250,000	1.000	74,045	250,000	1.000	78,661	250,000	1.000
City of Santa Ana	0	0	0.000	0	0	0.000	0	0	0.000
City of South Gate	188,167	250,000	1.000	201,726	250,000	1.000	211,220	250,000	1.000
City of Upland	151,714	500,000	0.461	158,244	500,000	0.461	157,306	500,000	0.461
City of Vernon	183,236	1,000,000	0.000	188,733	1,000,000	0.000	194,961	1,000,000	0.000
City of West Covina	0	250,000	1.000	0	250,000	1.000	0	0	0.000
City of Whittier	235,416	500,000	0.461	242,957	500,000	0.461	244,641	500,000	0.461
Total/Avg	\$5,134,851		0.545	\$5,495,956		0.547	\$5,736,258		0.559

ICRMA - Excess Liability  
Pooled Layer

Average MRL Discount Factor

	Payroll (00s) 2003-2004	MRL 2003-2004	MRL Discount 2003-2004	Payroll (00s) 2004-2005	MRL 2004-2005	MRL Discount 2004-2005	Payroll (00s) 2005-2006	MRL 2005-2006	MRL Discount 2005-2006
City of Adelanto	\$0	\$0	0.000	\$0	\$0	0.000	\$0	\$0	0.000
City of Alhambra	252,998	250,000	1.000	260,254	250,000	1.000	289,743	250,000	1.000
City of Arcadia	213,405	500,000	0.657	215,895	500,000	0.657	220,055	500,000	0.657
City of Azusa	182,335	500,000	0.657	193,555	500,000	0.657	198,193	500,000	0.657
City of Baldwin Park	130,380	250,000	1.000	138,678	250,000	1.000	144,620	250,000	1.000
City of Bell	71,870	100,000	1.339	77,596	100,000	1.339	79,092	100,000	1.339
City of Buena Park	186,781	500,000	0.657	184,807	500,000	0.657	188,368	500,000	0.657
City of Chino	215,638	250,000	1.000	249,419	500,000	0.657	254,225	500,000	0.657
City of Colton	216,458	500,000	0.657	240,931	500,000	0.657	236,197	500,000	0.657
City of Costa Mesa	0	0	0.000	0	0	0.000	0	0	0.000
City of Culver City	461,655	1,000,000	0.364	493,136	1,000,000	0.364	477,079	1,000,000	0.364
City of Downey	307,336	2,000,000	0.000	314,185	2,000,000	0.000	331,913	2,000,000	0.000
City of El Monte	290,996	250,000	1.000	295,020	250,000	1.000	305,651	250,000	1.000
City of El Segundo	256,221	400,000	0.758	253,685	400,000	0.758	253,707	400,000	0.758
City of Fullerton	426,092	2,000,000	0.000	453,740	2,000,000	0.000	451,467	2,000,000	0.000
City of Glendora	131,029	300,000	0.927	129,761	300,000	0.927	149,799	300,000	0.927
City of Hawthorne	249,479	250,000	1.000	257,903	250,000	1.000	265,634	250,000	1.000
City of Hermosa Beach	105,125	250,000	1.000	110,189	250,000	1.000	97,770	250,000	1.000
City of Huntington Park	128,137	250,000	1.000	122,759	250,000	1.000	113,075	250,000	1.000
City of Indio	0	0	0.000	0	0	0.000	0	0	0.000
City of Inglewood	406,640	1,000,000	0.364	455,634	1,000,000	0.364	451,142	1,000,000	0.364
City of La Habra	141,245	0	0.000	188,670	0	0.000	161,696	0	0.000
City of Lynwood	81,413	200,000	1.061	91,612	200,000	1.061	85,333	200,000	1.061
City of Manhattan Beach	200,240	500,000	0.657	210,427	500,000	0.657	206,170	500,000	0.657
City of Monrovia	170,058	300,000	0.927	183,153	300,000	0.927	179,303	300,000	0.927
City of Monterey Park	223,076	250,000	1.000	229,128	300,000	0.927	210,766	300,000	0.927
City of Palm Springs	0	0	0.000	0	0	0.000	0	0	0.000
City of Redondo Beach	324,303	500,000	0.657	341,306	500,000	0.657	344,400	500,000	0.657
City of San Fernando	78,576	250,000	1.000	80,967	250,000	1.000	82,528	250,000	1.000
City of Santa Ana	0	0	0.000	0	0	0.000	0	0	0.000
City of South Gate	209,737	500,000	0.657	199,426	500,000	0.657	202,256	500,000	0.657
City of Upland	194,645	500,000	0.657	204,258	500,000	0.657	187,373	500,000	0.657
City of Vernon	201,590	2,000,000	0.000	0	0	0.000	0	0	0.000
City of West Covina	0	0	0.000	0	0	0.000	0	0	0.000
City of Whittier	248,952	500,000	0.657	256,470	500,000	0.657	261,413	500,000	0.657
Total/Avg	\$6,306,409		0.625	\$6,432,564		0.624	\$6,428,968		0.628

ICRMA - Excess Liability  
Pooled Layer

Average MRL Discount Factor

	Payroll (00s) 2006-2007	MRL 2006-2007	MRL Discount 2006-2007	Payroll (00s) 2007-2008	MRL 2007-2008	MRL Discount 2007-2008	Payroll (00s) 2008-2009	MRL 2008-2009	MRL Discount 2008-2009
City of Adelanto	\$0	\$0	0.000	\$0	\$0	0.000	\$0	\$0	0.000
City of Alhambra	276,103	250,000	1.000	296,742	250,000	1.000	310,096	250,000	1.000
City of Arcadia	0	0	0.000	0	0	0.000	0	0	0.000
City of Azusa	205,338	500,000	0.657	194,689	500,000	0.657	226,365	500,000	0.657
City of Baldwin Park	147,123	250,000	1.000	129,486	250,000	1.000	123,388	300,000	0.927
City of Bell	0	0	0.000	0	0	0.000	0	0	0.000
City of Buena Park	0	0	0.000	0	0	0.000	0	0	0.000
City of Chino	259,124	2,000,000	0.000	0	0	0.000	0	0	0.000
City of Colton	241,444	500,000	0.657	253,496	500,000	0.657	276,213	500,000	0.657
City of Costa Mesa	0	0	0.000	0	0	0.000	0	0	0.000
City of Culver City	523,167	1,000,000	0.364	483,316	1,000,000	0.364	266,473	1,000,000	0.364
City of Downey	347,928	2,000,000	0.000	374,075	2,000,000	0.000	381,557	2,000,000	0.000
City of El Monte	320,400	250,000	1.000	340,622	250,000	1.000	347,434	250,000	1.000
City of El Segundo	269,135	400,000	0.758	310,761	400,000	0.758	334,206	400,000	0.758
City of Fullerton	473,252	2,000,000	0.000	500,798	2,000,000	0.000	510,814	2,000,000	0.000
City of Glendora	161,408	300,000	0.927	167,675	300,000	0.927	178,807	300,000	0.927
City of Hawthorne	278,452	250,000	1.000	263,994	250,000	1.000	269,274	250,000	1.000
City of Hermosa Beach	116,900	250,000	1.000	128,594	250,000	1.000	124,167	250,000	1.000
City of Huntington Park	130,235	250,000	1.000	134,919	250,000	1.000	133,065	250,000	1.000
City of Indio	0	0	0.000	0	0	0.000	0	0	0.000
City of Inglewood	455,091	1,000,000	0.364	437,192	1,000,000	0.364	482,806	1,000,000	0.364
City of La Habra	0	0	0.000	0	0	0.000	0	0	0.000
City of Lynwood	97,722	200,000	1.061	107,058	200,000	1.061	102,809	200,000	1.061
City of Manhattan Beach	223,242	500,000	0.657	250,072	500,000	0.657	258,786	500,000	0.657
City of Monrovia	194,308	300,000	0.927	226,802	300,000	0.927	226,633	300,000	0.927
City of Monterey Park	243,082	300,000	0.927	245,354	300,000	0.927	254,826	300,000	0.927
City of Palm Springs	0	0	0.000	0	0	0.000	0	0	0.000
City of Redondo Beach	367,290	500,000	0.657	388,837	500,000	0.657	390,950	500,000	0.657
City of San Fernando	88,565	250,000	1.000	90,841	250,000	1.000	97,564	250,000	1.000
City of Santa Ana	0	0	0.000	0	0	0.000	0	0	0.000
City of South Gate	212,015	500,000	0.657	254,923	500,000	0.657	260,021	500,000	0.657
City of Upland	216,698	500,000	0.657	271,081	500,000	0.657	301,923	500,000	0.657
City of Vernon	0	0	0.000	0	0	0.000	0	0	0.000
City of West Covina	0	0	0.000	0	0	0.000	0	0	0.000
City of Whittier	266,450	500,000	0.657	0	0	0.000	0	0	0.000
Total/Avg	\$6,114,473		0.607	\$5,851,327		0.636	\$5,858,178		0.643



ICRMA - Excess Liability  
Pooled Layer

Average MRL Discount Factor

	Payroll (00s) 2009-2010	MRL 2009-2010	MRL Discount 2009-2010	Payroll (00s) 2010-2011	MRL 2010-2011	MRL Discount 2010-2011	Payroll (00s) 2011-2012	MRL 2011-2012	MRL Discount 2011-2012
City of Adelanto	\$0	\$0	0.000	\$0	\$0	0.000	\$0	\$0	0.000
City of Alhambra	336,306	250,000	1.000	325,766	250,000	1.000	327,434	250,000	1.000
City of Arcadia	0	0	0.000	0	0	0.000	0	0	0.000
City of Azusa	240,806	500,000	0.657	256,423	500,000	0.722	231,978	500,000	0.776
City of Baldwin Park	139,703	300,000	0.927	118,386	300,000	0.941	118,386	300,000	0.952
City of Bell	0	0	0.000	0	0	0.000	0	0	0.000
City of Buena Park	0	0	0.000	0	0	0.000	0	0	0.000
City of Chino	0	0	0.000	0	0	0.000	0	0	0.000
City of Colton	303,801	500,000	0.657	281,695	500,000	0.722	246,864	500,000	0.776
City of Costa Mesa	0	0	0.000	0	0	0.000	0	0	0.000
City of Culver City	553,550	1,000,000	0.364	651,220	1,000,000	0.486	471,298	1,000,000	0.585
City of Downey	425,240	2,000,000	0.000	415,008	2,000,000	0.191	395,776	2,000,000	0.348
City of El Monte	312,499	250,000	1.000	296,038	250,000	1.000	266,080	250,000	1.000
City of El Segundo	356,835	400,000	0.758	321,703	400,000	0.804	321,703	400,000	0.842
City of Fullerton	498,931	2,000,000	0.000	461,808	3,000,000	0.000	435,606	5,000,000	0.000
City of Glendora	168,903	300,000	0.927	165,242	300,000	0.941	156,514	300,000	0.952
City of Hawthorne	265,281	250,000	1.000	252,870	250,000	1.000	250,883	250,000	1.000
City of Hermosa Beach	110,845	250,000	1.000	111,932	250,000	1.000	90,140	250,000	1.000
City of Huntington Park	155,562	250,000	1.000	137,461	250,000	1.000	136,492	250,000	1.000
City of Indio	0	0	0.000	0	0	0.000	0	0	0.000
City of Inglewood	542,028	1,000,000	0.364	461,025	1,000,000	0.486	461,025	1,500,000	0.473
City of La Habra	0	0	0.000	0	0	0.000	0	0	0.000
City of Lynwood	95,502	200,000	1.061	97,541	200,000	1.049	104,935	200,000	1.040
City of Manhattan Beach	262,775	500,000	0.657	267,247	500,000	0.722	277,336	500,000	0.776
City of Monrovia	218,007	300,000	0.927	205,856	300,000	0.941	202,652	300,000	0.952
City of Monterey Park	252,915	300,000	0.927	242,638	300,000	0.941	247,490	300,000	0.952
City of Palm Springs	0	0	0.000	0	0	0.000	0	0	0.000
City of Redondo Beach	367,493	500,000	0.657	360,143	500,000	0.722	349,597	500,000	0.776
City of San Fernando	111,080	250,000	1.000	84,382	250,000	1.000	87,604	250,000	1.000
City of Santa Ana	0	0	0.000	0	0	0.000	0	0	0.000
City of South Gate	229,523	500,000	0.657	211,169	250,000	1.000	213,375	250,000	1.000
City of Upland	299,345	500,000	0.657	302,398	500,000	0.722	306,640	500,000	0.776
City of Vernon	0	0	0.000	0	0	0.000	0	0	0.000
City of West Covina	0	0	0.000	0	0	0.000	0	0	0.000
City of Whittier	0	0	0.000	0	0	0.000	0	0	0.000
<b>Total/Avg</b>	<b>\$6,246,928</b>		<b>0.625</b>	<b>\$6,027,951</b>		<b>0.688</b>	<b>\$5,699,810</b>		<b>0.732</b>

ICRMA - Excess Liability  
Pooled Layer

Average MRL Discount Factor

	Payroll (00s) 2012-2013	MRL 2012-2013	MRL Discount 2012-2013	Payroll (00s) 2013-2014	MRL 2013-2014	MRL Discount 2013-2014	Payroll (00s) 2014-2015	MRL 2014-2015	MRL Discount 2014-2015
City of Adelanto	\$0	\$0	0.000	\$0	\$0	0.000	\$0	\$0	0.000
City of Alhambra	304,504	250,000	1.000	311,697	250,000	1.000	308,664	250,000	1.000
City of Arcadia	0	0	0.000	0	0	0.000	0	0	0.000
City of Azusa	237,352	500,000	0.776	243,727	500,000	0.776	244,076	500,000	0.776
City of Baldwin Park	130,541	300,000	0.952	127,865	300,000	0.952	132,308	300,000	0.952
City of Bell	0	0	0.000	0	0	0.000	68,199	250,000	1.000
City of Buena Park	0	0	0.000	0	0	0.000	0	0	0.000
City of Chino	0	0	0.000	0	0	0.000	0	0	0.000
City of Colton	217,788	500,000	0.776	219,544	500,000	0.776	0	0	0.000
City of Costa Mesa	0	0	0.000	0	0	0.000	0	0	0.000
City of Culver City	490,775	1,000,000	0.585	500,865	1,000,000	0.585	521,457	1,000,000	0.585
City of Downey	362,322	2,000,000	0.348	354,315	2,000,000	0.348	373,782	2,000,000	0.348
City of El Monte	248,799	250,000	1.000	237,568	250,000	1.000	254,267	250,000	1.000
City of El Segundo	281,920	400,000	0.842	315,062	750,000	0.661	325,531	750,000	0.661
City of Fullerton	428,587	5,000,000	0.000	441,035	5,000,000	0.000	442,430	5,000,000	0.000
City of Glendora	152,557	300,000	0.952	152,706	300,000	0.952	156,775	300,000	0.952
City of Hawthorne	260,541	250,000	1.000	241,004	250,000	1.000	258,207	250,000	1.000
City of Hermosa Beach	108,927	250,000	1.000	113,656	250,000	1.000	117,863	250,000	1.000
City of Huntington Park	138,331	250,000	1.000	134,555	250,000	1.000	136,731	250,000	1.000
City of Indio	0	0	0.000	0	0	0.000	0	0	0.000
City of Inglewood	442,495	1,500,000	0.473	468,505	1,500,000	0.473	448,452	1,500,000	0.473
City of La Habra	0	0	0.000	0	0	0.000	0	0	0.000
City of Lynwood	86,611	100,000	1.221	83,236	100,000	1.221	77,311	100,000	1.221
City of Manhattan Beach	270,041	500,000	0.776	299,266	500,000	0.776	328,442	500,000	0.776
City of Monrovia	207,608	300,000	0.952	190,134	300,000	0.952	199,065	300,000	0.952
City of Monterey Park	229,809	300,000	0.952	257,797	300,000	0.952	273,537	300,000	0.952
City of Palm Springs	0	0	0.000	0	0	0.000	0	0	0.000
City of Redondo Beach	358,365	500,000	0.776	363,419	500,000	0.776	387,630	500,000	0.776
City of San Fernando	84,862	250,000	1.000	82,676	250,000	1.000	80,911	250,000	1.000
City of Santa Ana	0	0	0.000	0	0	0.000	0	0	0.000
City of South Gate	212,176	250,000	1.000	205,789	250,000	1.000	224,952	250,000	1.000
City of Upland	262,628	500,000	0.776	0	0	0.000	0	0	0.000
City of Vernon	0	0	0.000	0	0	0.000	0	0	0.000
City of West Covina	0	0	0.000	0	0	0.000	0	0	0.000
City of Whittier	0	0	0.000	0	0	0.000	0	0	0.000
Total/Avg	\$5,517,539		0.735	\$5,344,422		0.719	\$5,360,590		0.723

ICRMA - Excess Liability  
Pooled Layer

Average MRL Discount Factor

	Payroll (00s) 2015-2016	MRL 2015-2016	MRL Discount 2015-2016	Payroll (00s) 2016-2017	MRL 2016-2017	MRL Discount 2016-2017	Payroll (00s) 2017-2018	MRL 2017-2018	MRL Discount 2017-2018
City of Adelanto	\$0	\$0	0.000	\$0	\$0	0.000	\$0	\$0	0.000
City of Alhambra	314,929	250,000	1.000	323,823	250,000	1.000	331,045	750,000	0.580
City of Arcadia	0	0	0.000	0	0	0.000	0	0	0.000
City of Azusa	247,111	500,000	0.776	0	0	0.000	0	0	0.000
City of Baldwin Park	144,400	300,000	0.952	143,425	300,000	0.941	149,694	300,000	0.941
City of Bell	62,789	250,000	1.000	74,518	250,000	1.000	69,907	250,000	1.000
City of Buena Park	0	0	0.000	0	0	0.000	0	0	0.000
City of Chino	0	0	0.000	0	0	0.000	0	0	0.000
City of Colton	0	0	0.000	0	0	0.000	0	0	0.000
City of Costa Mesa	0	0	0.000	0	0	0.000	0	0	0.000
City of Culver City	556,614	1,000,000	0.585	0	0	0.000	0	0	0.000
City of Downey	391,163	2,000,000	0.348	425,887	2,000,000	0.191	434,061	2,000,000	0.191
City of El Monte	274,191	250,000	1.000	292,264	250,000	1.000	339,340	250,000	1.000
City of El Segundo	319,167	750,000	0.661	333,719	750,000	0.580	331,498	750,000	0.580
City of Fullerton	460,863	6,000,000	0.000	517,211	6,000,000	0.000	521,282	8,000,000	0.000
City of Glendora	163,860	300,000	0.952	173,707	300,000	0.941	170,011	300,000	0.941
City of Hawthorne	247,969	250,000	1.000	242,089	250,000	1.000	257,847	250,000	1.000
City of Hermosa Beach	129,565	250,000	1.000	132,989	250,000	1.000	143,701	250,000	1.000
City of Huntington Park	131,542	250,000	1.000	134,211	250,000	1.000	135,341	250,000	1.000
City of Indio	0	0	0.000	0	0	0.000	0	0	0.000
City of Inglewood	464,766	1,500,000	0.473	508,398	1,500,000	0.346	538,647	1,500,000	0.346
City of La Habra	0	0	0.000	0	0	0.000	0	0	0.000
City of Lynwood	78,663	100,000	1.221	80,256	100,000	1.274	85,697	100,000	1.274
City of Manhattan Beach	291,914	500,000	0.776	374,101	500,000	0.722	0	0	0.000
City of Monrovia	0	0	0.000	0	0	0.000	0	0	0.000
City of Monterey Park	287,550	300,000	0.952	291,377	300,000	0.941	300,598	300,000	0.941
City of Palm Springs	0	0	0.000	0	0	0.000	0	0	0.000
City of Redondo Beach	392,951	500,000	0.776	422,472	500,000	0.722	0	0	0.000
City of San Fernando	91,543	250,000	1.000	88,944	250,000	1.000	90,113	250,000	1.000
City of Santa Ana	0	0	0.000	0	0	0.000	0	0	0.000
City of South Gate	234,919	250,000	1.000	244,585	250,000	1.000	255,987	250,000	1.000
City of Upland	0	0	0.000	0	0	0.000	0	0	0.000
City of Vernon	0	0	0.000	0	0	0.000	0	0	0.000
City of West Covina	0	0	0.000	0	0	0.000	0	0	0.000
City of Whittier	0	0	0.000	0	0	0.000	0	0	0.000
Total/Avg	\$5,286,469		0.712	\$4,803,976		0.673	\$4,154,769		0.635

ICRMA - Excess Liability  
Pooled Layer

Average MRL Discount Factor

	Payroll (00s) 2018-2019	MRL 2018-2019	MRL Discount 2018-2019	Payroll (00s) 2019-2020	MRL 2019-2020	MRL Discount 2019-2020	Payroll (00s) 2020-2021	MRL 2020-2021	MRL Discount 2020-2021
City of Adelanto	\$0	\$0	0.000	\$26,158	\$250,000	1.000	\$14,492	\$250,000	1.000
City of Alhambra	0	0	0.000	0	0	0.000	0	0	0.000
City of Arcadia	0	0	0.000	0	0	0.000	0	0	0.000
City of Azusa	0	0	0.000	0	0	0.000	0	0	0.000
City of Baldwin Park	173,395	300,000	0.941	0	0	0.000	0	0	0.000
City of Bell	71,975	250,000	1.000	73,139	250,000	1.000	72,493	250,000	1.000
City of Buena Park	0	0	0.000	0	0	0.000	0	0	0.000
City of Chino	0	0	0.000	0	0	0.000	0	0	0.000
City of Colton	0	0	0.000	0	0	0.000	0	0	0.000
City of Costa Mesa	0	0	0.000	0	0	0.000	0	0	0.000
City of Culver City	0	0	0.000	0	0	0.000	0	0	0.000
City of Downey	447,639	2,000,000	0.191	454,013	2,000,000	0.191	457,378	2,000,000	0.000
City of El Monte	372,484	250,000	1.000	366,216	250,000	1.000	369,104	250,000	1.000
City of El Segundo	332,951	750,000	0.580	358,483	750,000	0.580	371,028	750,000	0.480
City of Fullerton	516,311	8,000,000	0.000	518,086	8,000,000	0.000	492,249	8,000,000	0.000
City of Glendora	172,767	300,000	0.941	171,745	300,000	0.941	174,552	300,000	0.927
City of Hawthorne	268,272	500,000	0.722	271,117	500,000	0.722	271,278	500,000	0.657
City of Hermosa Beach	115,508	250,000	1.000	119,212	250,000	1.000	128,086	250,000	1.000
City of Huntington Park	137,855	500,000	0.722	139,110	500,000	0.722	130,261	500,000	0.657
City of Indio	0	0	0.000	0	0	0.000	0	0	0.000
City of Inglewood	580,122	1,750,000	0.268	607,032	1,750,000	0.268	555,498	1,750,000	0.095
City of La Habra	0	0	0.000	0	0	0.000	0	0	0.000
City of Lynwood	95,984	500,000	0.722	100,765	500,000	0.722	80,103	500,000	0.657
City of Manhattan Beach	0	0	0.000	0	0	0.000	0	0	0.000
City of Monrovia	0	0	0.000	0	0	0.000	0	0	0.000
City of Monterey Park	314,868	500,000	0.722	319,015	500,000	0.722	339,566	500,000	0.657
City of Palm Springs	0	0	0.000	0	0	0.000	0	0	0.000
City of Redondo Beach	0	0	0.000	0	0	0.000	0	0	0.000
City of San Fernando	96,555	250,000	1.000	99,309	250,000	1.000	93,080	250,000	1.000
City of Santa Ana	0	0	0.000	1,075,401	3,000,000	0.000	1,118,861	3,000,000	0.000
City of South Gate	268,106	250,000	1.000	276,768	250,000	1.000	276,232	250,000	1.000
City of Upland	0	0	0.000	0	0	0.000	0	0	0.000
City of Vernon	0	0	0.000	0	0	0.000	0	0	0.000
City of West Covina	0	0	0.000	0	0	0.000	0	0	0.000
City of Whittier	0	0	0.000	0	0	0.000	0	0	0.000
<b>Total/Avg</b>	<b>\$3,964,790</b>		<b>0.574</b>	<b>\$4,975,569</b>		<b>0.438</b>	<b>\$4,944,259</b>		<b>0.381</b>

ICRMA - Excess Liability  
Pooled Layer

Average MRL Discount Factor

	Payroll (00s)	MRL	MRL Discount	Payroll (00s)	MRL	MRL Discount	Payroll (00s)	MRL	MRL Discount
	2021-2022	2021-2022	2021-2022	2022-2023	2022-2023	2022-2023	2023-2024	2023-2024	2023-2024
City of Adelanto	\$18,891	\$250,000	1.000	\$22,462	\$250,000	1.000	\$26,573	\$250,000	1.000
City of Alhambra	0	0	0.000	0	0	0.000	0	0	0.000
City of Arcadia	0	0	0.000	0	0	0.000	0	0	0.000
City of Azusa	0	0	0.000	0	0	0.000	0	0	0.000
City of Baldwin Park	0	0	0.000	0	0	0.000	0	0	0.000
City of Bell	85,570	250,000	1.000	88,696	250,000	1.000	98,252	250,000	1.000
City of Buena Park	0	0	0.000	0	0	0.000	0	0	0.000
City of Chino	0	0	0.000	0	0	0.000	0	0	0.000
City of Colton	0	0	0.000	0	0	0.000	0	0	0.000
City of Costa Mesa	0	0	0.000	0	0	0.000	0	0	0.000
City of Culver City	0	0	0.000	0	0	0.000	0	0	0.000
City of Downey	460,451	2,000,000	0.000	494,927	2,000,000	0.000	478,549	2,000,000	0.000
City of El Monte	404,697	500,000	0.657	478,262	500,000	0.657	510,125	500,000	0.657
City of El Segundo	367,148	750,000	0.480	372,299	750,000	0.480	400,038	750,000	0.480
City of Fullerton	493,386	8,000,000	0.000	541,228	8,000,000	0.000	557,722	3,000,000	0.000
City of Glendora	184,241	250,000	1.000	159,626	250,000	1.000	221,219	250,000	1.000
City of Hawthorne	311,743	500,000	0.657	323,009	500,000	0.657	331,290	2,000,000	0.000
City of Hermosa Beach	138,020	250,000	1.000	138,020	250,000	1.000	0	0	0.000
City of Huntington Park	129,050	500,000	0.657	158,667	500,000	0.657	154,936	500,000	0.657
City of Indio	0	0	0.000	0	0	0.000	0	0	0.000
City of Inglewood	577,584	2,000,000	0.000	690,986	2,000,000	0.000	838,960	2,000,000	0.000
City of La Habra	0	0	0.000	0	0	0.000	0	0	0.000
City of Lynwood	94,809	250,000	1.000	93,363	250,000	1.000	107,606	250,000	1.000
City of Manhattan Beach	0	0	0.000	0	0	0.000	0	0	0.000
City of Monrovia	0	0	0.000	0	0	0.000	0	0	0.000
City of Monterey Park	339,566	500,000	0.657	0	0	0.000	0	0	0.000
City of Palm Springs	0	0	0.000	0	0	0.000	0	0	0.000
City of Redondo Beach	0	0	0.000	0	0	0.000	0	0	0.000
City of San Fernando	100,213	250,000	1.000	122,176	250,000	1.000	132,805	250,000	1.000
City of Santa Ana	1,188,219	3,000,000	0.000	1,265,033	3,000,000	0.000	1,463,256	3,000,000	0.000
City of South Gate	278,816	500,000	0.657	312,192	500,000	0.657	346,989	500,000	0.657
City of Upland	0	0	0.000	0	0	0.000	0	0	0.000
City of Vernon	0	0	0.000	0	0	0.000	0	0	0.000
City of West Covina	0	0	0.000	0	0	0.000	0	0	0.000
City of Whittier	0	0	0.000	0	0	0.000	0	0	0.000
Total/Avg	\$5,172,403		0.340	\$5,260,946		0.311	\$5,668,321		0.255

ICRMA - Excess Liability  
Pooled Layer

Average MRL Discount Factor

	Payroll (00s) 2024-2025	MRL 2024-2025	MRL Discount 2024-2025
City of Adelanto	\$27,370	\$250,000	1.000
City of Alhambra	0	0	0.000
City of Arcadia	0	0	0.000
City of Azusa	0	0	0.000
City of Baldwin Park	0	0	0.000
City of Bell	101,199	250,000	1.000
City of Buena Park	0	0	0.000
City of Chino	0	0	0.000
City of Colton	0	0	0.000
City of Costa Mesa	0	0	0.000
City of Culver City	0	0	0.000
City of Downey	492,905	2,000,000	0.000
City of El Monte	525,429	500,000	0.657
City of El Segundo	412,039	750,000	0.480
City of Fullerton	574,454	3,000,000	0.000
City of Glendora	227,856	250,000	1.000
City of Hawthorne	341,229	2,000,000	0.000
City of Hermosa Beach	0	0	0.000
City of Huntington Park	159,584	500,000	0.657
City of Indio	0	0	0.000
City of Inglewood	864,129	2,000,000	0.000
City of La Habra	0	0	0.000
City of Lynwood	110,834	250,000	1.000
City of Manhattan Beach	0	0	0.000
City of Monrovia	0	0	0.000
City of Monterey Park	0	0	0.000
City of Palm Springs	0	0	0.000
City of Redondo Beach	0	0	0.000
City of San Fernando	136,789	250,000	1.000
City of Santa Ana	1,507,154	3,000,000	0.000
City of South Gate	357,399	500,000	0.657
City of Upland	0	0	0.000
City of Vernon	0	0	0.000
City of West Covina	0	0	0.000
City of Whittier	0	0	0.000
Total/Avg	\$5,838,370		0.255

ICRMA - Excess Liability - \$250K & \$1M Analyses

Estimated Loss Rates for the \$250,000 - \$1,000,000 Layer

Accident Year	Estimated Ultimate \$250K Limited Losses (A)	Estimated Ultimate \$1M Limited Losses (B)	Estimated Ultimate \$250K - \$1M Losses (C)	Trended Payroll (\$00's) (D)	Benefit Level Factor to 2023-2024 (E)	Loss Rate at 2023-2024 Level (F)
2002-2003	12,152,050	15,798,000	3,645,950	9,631,178	2.787	1.055
2003-2004	12,702,536	17,538,000	4,835,464	10,329,898	2.654	1.242
2004-2005	12,699,670	21,284,000	8,584,330	10,279,237	2.528	2.111
2005-2006	11,075,343	13,879,000	2,803,657	10,022,762	2.408	0.674
2006-2007	13,679,035	20,230,000	6,550,965	9,300,113	2.293	1.615
2007-2008	11,969,244	16,231,000	4,261,756	8,683,369	2.184	1.072
2008-2009	11,008,614	15,910,000	4,901,386	8,482,641	2.080	1.202
2009-2010	9,258,250	12,998,000	3,739,750	8,826,909	1.981	0.839
2010-2011	13,517,119	21,073,000	7,555,881	8,312,545	1.887	1.715
2011-2012	11,884,125	18,681,000	6,796,875	7,666,244	1.797	1.593
2012-2013	11,508,995	22,336,000	10,827,005	7,239,011	1.712	2.561
2013-2014	10,958,155	18,692,000	7,733,845	6,840,860	1.630	1.843
2014-2015	12,568,570	20,270,000	7,701,430	6,695,377	1.553	1.786
2015-2016	11,166,000	17,870,000	6,704,000	6,444,206	1.478	1.538
2016-2017	12,371,000	23,232,000	10,861,000	5,711,928	1.408	2.677
2017-2018	9,228,000	15,656,000	6,428,000	4,819,532	1.340	1.787
2018-2019	11,548,000	21,504,000	9,956,000	4,488,143	1.276	2.831
2019-2020	15,014,000	29,586,000	14,572,000	5,493,028	1.216	3.226
2020-2021	14,815,000	27,183,000	12,368,000	5,324,967	1.158	2.690
2021-2022	16,452,000	27,571,000	11,119,000	5,436,195	1.103	2.256
2022-2023	18,263,000	28,967,000	10,704,000	5,392,469	1.050	2.084
2023-2024						
					Average 17/18-21/22:	\$2.558
					Average 17/18-22/23:	2.479
					Prior Selected Rate:	2.845
					Selected 2023-2024 Rate:	\$2.800
					Benefit Level & Trend Factor to 2024-2025:	1.050
					Selected 2024-2025 Rate:	\$2.940

Notes:

- (A) From Appendix A, Page 3, Column (F).
- (B) From Appendix A, Page 2, Column (F).
- (C) (B) - (A)
- (D) Provided by ICRMA.
- (E) From Appendix B, Page 17, Column (B).
- (F) (C) / (D) x (E).

ICRMA - Excess Liability - \$250K & \$1M Analyses

Estimated Ultimate \$1,000,000 Limited Losses

Accident Year	Reported Loss Development Method (A)	Paid Loss Development Method (B)	Exposure Method Based on Reported Losses (C)	Exposure Method Based on Paid Losses (D)	Frequency-Severity Method (E)	Selected Estimate of Ultimate Losses (F)
2002-2003	\$15,797,031	\$15,860,375	\$15,797,031	\$15,859,481	\$15,597,421	\$15,798,000
2003-2004	17,537,867	17,643,094	17,537,867	17,636,848	16,491,125	17,538,000
2004-2005	21,283,552	21,432,537	21,283,552	21,400,406	16,699,932	21,284,000
2005-2006	13,878,503	13,989,531	13,878,503	13,996,290	14,726,880	13,879,000
2006-2007	20,229,082	20,411,144	20,229,082	20,394,894	18,418,536	20,230,000
2007-2008	16,230,364	16,392,667	16,230,364	16,393,525	16,318,624	16,231,000
2008-2009	15,909,314	16,084,316	15,909,314	16,076,710	15,215,946	15,910,000
2009-2010	12,997,305	13,153,273	12,997,305	13,153,012	12,971,200	12,998,000
2010-2011	21,072,477	21,346,420	21,072,477	21,321,995	19,194,399	21,073,000
2011-2012	18,680,497	18,960,704	18,680,497	18,937,393	17,124,727	18,681,000
2012-2013	22,335,502	22,759,876	22,335,502	22,655,285	16,826,330	22,336,000
2013-2014	18,695,447	19,086,877	18,688,290	19,013,367	16,250,052	18,692,000
2014-2015	20,011,533	20,526,680	20,002,677	20,475,872	18,929,132	20,270,000
2015-2016	18,107,698	17,406,594	18,093,672	17,388,696	17,052,288	17,870,000
2016-2017	23,145,746	23,317,382	23,017,629	22,943,309	19,177,275	23,232,000
2017-2018	15,805,681	15,619,487	15,735,008	15,463,463	14,498,880	15,656,000
2018-2019	22,023,609	21,229,514	21,864,419	20,896,053	21,388,562	21,504,000
2019-2020	29,592,403	30,570,395	29,238,526	28,935,893	24,047,632	29,586,000
2020-2021	27,689,223	26,853,149	27,539,809	26,646,072	22,528,773	27,183,000
2021-2022	27,423,933	22,488,940	27,762,048	27,379,076	27,015,942	27,571,000
2022-2023	32,587,757	21,708,554	31,617,837	29,950,476	34,504,338	28,967,000
Totals						\$426,489,000

Notes:

- (A) From Appendix A, Page 6, Column (G).
- (B) From Appendix A, Page 8, Column (G).
- (C) From Appendix A, Page 10, Column (G).
- (D) From Appendix A, Page 11, Column (G).
- (E) From Appendix A, Page 13, Column (C).
- (F) Selected averages of (A), (B), (C), (D), and (E).

This exhibit summarizes the results of the actuarial methods we have applied to estimate ultimate losses for each year. It is important to apply a number of estimation methods because each one relies on specific assumptions about the claims process that tend to hold generally true, but that may be violated in specific situations. Thus, the more estimation methods that can be applied, the better.



ICRMA - Excess Liability - \$250K & \$1M Analyses

Estimated Ultimate Limited Losses Capped at \$250,000 per Claim

Accident Year	Reported Loss Development Method (A)	Paid Loss Development Method (B)	Exposure Method Based on Reported Losses (C)	Exposure Method Based on Paid Losses (D)	Frequency-Severity Method (E)	Selected Ultimate Limited Losses (F)
2002-2003	12,152,050	12,136,487	12,152,050	12,136,487	12,152,532	12,152,050
2003-2004	12,702,536	12,702,536	12,702,536	12,702,536	12,702,925	12,702,536
2004-2005	12,699,670	12,699,670	12,699,670	12,699,670	12,699,000	12,699,670
2005-2006	11,075,343	11,075,343	11,075,343	11,075,343	11,075,400	11,075,343
2006-2007	13,679,035	13,679,035	13,679,035	13,679,035	13,678,434	13,679,035
2007-2008	11,969,244	11,969,244	11,969,244	11,969,244	11,969,724	11,969,244
2008-2009	11,008,614	11,008,614	11,008,614	11,008,614	11,008,782	11,008,614
2009-2010	9,258,250	9,258,250	9,258,250	9,258,250	9,257,792	9,258,250
2010-2011	13,517,119	13,517,119	13,517,119	13,517,119	13,517,118	13,517,119
2011-2012	11,884,125	11,884,125	11,884,125	11,884,125	11,883,763	11,884,125
2012-2013	11,508,995	11,520,504	11,508,995	11,520,505	11,509,310	11,508,995
2013-2014	10,958,155	10,991,029	10,958,155	10,991,032	10,957,752	10,958,155
2014-2015	12,568,570	12,643,980	12,568,570	12,643,972	12,568,280	12,568,570
2015-2016	11,165,339	11,282,091	11,165,339	11,282,185	11,166,144	11,166,000
2016-2017	12,370,963	12,393,389	12,370,963	12,398,294	12,370,800	12,371,000
2017-2018	9,227,479	9,332,112	9,227,479	9,330,860	9,228,032	9,228,000
2018-2019	11,547,412	11,318,572	11,547,412	11,403,196	13,415,597	11,548,000
2019-2020	14,695,127	15,192,017	14,695,127	15,331,431	14,868,115	15,014,000
2020-2021	14,814,060	13,574,218	14,814,060	14,562,117	13,732,848	14,815,000
2021-2022	17,071,247	12,727,347	17,088,634	15,813,645	16,239,218	16,452,000
2022-2023	19,105,153	13,545,344	18,876,387	17,648,701	20,456,703	18,263,000
Totals						\$263,838,706

Notes:

- (A) From Appendix A, Page 6, Column (D).
- (B) From Appendix A, Page 8, Column (D).
- (C) Based on results in Appendix A, Page 10.
- (D) Based on results in Appendix A, Page 11.
- (E) Based on results in Appendix A, Page 13.
- (F) Selected averages of (A), (B), (C), (D), and (E).

This exhibit summarizes the results of the actuarial methods we have applied to estimate limited losses for each year. These results are used to select a limited loss rate for future years.

ICRMA - Excess Liability - \$250K & \$1M Analyses

Selection of Projected \$250K Loss Rate

Accident Year	Ultimate Limited Losses (A)	Trend Factor (B)	Trended Limited Losses (C)	Trended Payroll (\$00) (D)	Trended Limited Loss Rate (E)
2009-2010	9,258,250	1.981	18,340,593	8,826,909	2.078
2010-2011	13,517,119	1.887	25,506,804	8,312,545	3.068
2011-2012	11,884,125	1.797	21,355,773	7,666,244	2.786
2012-2013	11,508,995	1.712	19,703,399	7,239,011	2.722
2013-2014	10,958,155	1.630	17,861,793	6,840,860	2.611
2014-2015	12,568,570	1.553	19,518,989	6,695,377	2.915
2015-2016	11,166,000	1.478	16,503,348	6,444,206	2.561
2016-2017	12,371,000	1.408	17,418,368	5,711,928	3.049
2017-2018	9,228,000	1.340	12,365,520	4,819,532	2.566
2018-2019	11,548,000	1.276	14,735,248	4,488,143	3.283
2019-2020	15,014,000	1.216	18,257,024	5,493,028	3.324
2020-2021	14,815,000	1.158	17,155,770	5,324,967	3.222
2021-2022	16,452,000	1.103	18,146,556	5,436,195	3.338
2022-2023	18,263,000	1.050	19,176,150	5,392,469	3.556
Totals	\$263,838,706		\$462,804,594	\$155,420,612	\$2.978
18/19-22/23	76,092,000		87,470,748	26,134,802	3.347
19/20-22/23	64,544,000		72,735,500	21,646,659	3.360
20/21-22/23	49,530,000		54,478,476	16,153,631	3.373
			Selected \$250K Loss Rate:		\$3.360
			Prior Selected \$250K Loss Rate:		\$3.285

Notes appear on the next page.

ICRMA - Excess Liability - \$250K & \$1M Analyses

Selection of Projected \$250K Loss Rate

Notes:

- (A) From Appendix A, Page 3, Column (F).  
For purposes of projecting future losses, losses are capped at \$250,000 per occurrence.
- (B) From Appendix A, Page 20, Column (B).
- (C) (A) x (B).
- (D) Provided by ICRMA and trended for inflation.
- (E) (C) / (D).

This exhibit shows the calculation of future loss costs based on the past loss rates per \$100 of payroll. The projections will be accurate only to the extent that what has happened in the past is representative of what will happen in the future.

## ICRMA - Excess Liability - \$250K &amp; \$1M Analyses

## Reported Loss Development

Accident Year (A)	Limited Reported Losses as of 12/31/23 (B)	Reported Loss Development Factor (C)	Estimated Ultimate Limited Losses (D)	\$1M Limited Reported Losses of 12/31/23 (E)	Reported Loss Development Factor (F)	Estimated Ultimate Losses (G)
2002-2003	12,152,050	1.000	12,152,050	15,797,031	1.000	15,797,031
2003-2004	12,702,536	1.000	12,702,536	17,537,867	1.000	17,537,867
2004-2005	12,699,670	1.000	12,699,670	21,283,552	1.000	21,283,552
2005-2006	11,075,343	1.000	11,075,343	13,878,503	1.000	13,878,503
2006-2007	13,679,035	1.000	13,679,035	20,229,082	1.000	20,229,082
2007-2008	11,969,244	1.000	11,969,244	16,230,364	1.000	16,230,364
2008-2009	11,008,614	1.000	11,008,614	15,909,314	1.000	15,909,314
2009-2010	9,258,250	1.000	9,258,250	12,997,305	1.000	12,997,305
2010-2011	13,517,119	1.000	13,517,119	21,072,477	1.000	21,072,477
2011-2012	11,884,125	1.000	11,884,125	18,680,497	1.000	18,680,497
2012-2013	11,508,995	1.000	11,508,995	22,335,502	1.000	22,335,502
2013-2014	10,958,155	1.000	10,958,155	18,639,528	1.003	18,695,447
2014-2015	12,568,570	1.000	12,568,570	19,813,399	1.010	20,011,533
2015-2016	11,165,339	1.000	11,165,339	17,752,645	1.020	18,107,698
2016-2017	12,370,963	1.000	12,370,963	22,384,667	1.034	23,145,746
2017-2018	9,227,479	1.000	9,227,479	15,024,411	1.052	15,805,681
2018-2019	11,547,412	1.000	11,547,412	20,506,154	1.074	22,023,609
2019-2020	14,695,127	1.000	14,695,127	26,853,360	1.102	29,592,403
2020-2021	14,814,060	1.000	14,814,060	24,203,866	1.144	27,689,223
2021-2022	16,258,331	1.050	17,071,247	20,480,906	1.339	27,423,933
2022-2023	15,162,820	1.260	19,105,153	17,964,585	1.814	32,587,757
Totals	\$260,223,237		\$264,978,486	\$399,575,014		\$431,034,524

## Notes:

- (A) Years are 7/1 to 6/30.
- (B) Provided by ICRMA. These losses exclude amounts over \$250,000 per occurrence.
- (C) From Appendix A, Page 7.
- (D) (B) x (C). These estimated losses exclude amounts over \$250,000 per occurrence.
- (E) Losses capped at the ICRMA's SIR. Amounts are provided by ICRMA.
- (F) Derived from factors on Appendix A, Page 9.
- (G) (E) x (F).

This method tends to understate ultimate losses for the most recent several years because the large losses for those years generally have not yet emerged at the time of our review.

This exhibit shows the calculation of estimated ultimate losses for each year based on paid losses and case reserves as reported by the claims administrator. These losses tend to "develop" or change from period to period as more information becomes available about the cases. This development tends to follow quantifiable patterns over time.

ICRMA - Excess Liability - \$250K & \$1M Analyses  
Reported Loss Development

Accident Year	Limited Losses Reported as of:										
	6 Months	18 Months	30 Months	42 Months	54 Months	66 Months	78 Months	90 Months	102 Months	114 Months	126 Months
2002-2003								9,755,000	9,086,000	9,201,000	8,873,000
2003-2004							9,991,000	9,423,000	9,684,000	9,680,000	9,680,000
2004-2005						8,699,000	7,957,000	8,457,000	8,422,000	8,422,000	8,422,000
2005-2006					7,826,000	7,517,000	7,258,000	7,349,000	7,313,000	6,980,000	7,030,000
2006-2007				9,164,000	8,284,000	8,013,000	7,958,000	7,956,000	8,186,000	8,170,000	8,083,000
2007-2008			9,245,000	9,237,000	9,272,000	8,806,000	8,537,000	8,560,000	8,636,000	8,474,000	8,097,000
2008-2009		8,224,000	9,512,000	9,375,000	9,211,000	9,205,000	9,381,000	8,626,000	8,140,000	8,182,000	10,678,492
2009-2010	863,000	5,525,000	5,909,000	6,500,000	6,150,000	6,471,000	6,599,000	6,308,000	5,785,000	8,891,482	8,978,905
2010-2011	1,381,000	5,581,000	8,529,000	7,209,000	7,477,000	8,450,000	7,854,000	8,243,000	12,526,953	12,495,314	12,476,410
2011-2012	742,000	5,612,000	8,725,000	8,798,000	8,956,000	9,242,000	8,663,000	11,426,534	11,478,743	11,453,302	11,884,125
2012-2013	1,052,000	3,749,000	7,685,000	8,216,000	7,995,000	8,242,000	11,648,503	11,798,502	11,737,974	11,508,995	11,508,995
2013-2014	113,000	5,565,000	9,902,000	10,402,000	8,872,000	11,205,372	10,940,745	10,972,154	10,982,001	10,958,155	10,958,155
2014-2015	83,000	6,985,000	10,851,000	11,244,000	12,716,361	12,969,936	12,673,900	12,569,239	12,568,479	12,568,570	
2015-2016	242,000	9,680,000	9,950,000	11,669,489	12,006,813	11,595,978	11,369,856	11,217,373	11,165,339		
2016-2017	2,098,000	10,721,000	13,436,866	13,541,825	13,140,711	12,705,797	12,427,139	12,370,963			
2017-2018	968,000	9,120,080	10,577,456	10,521,604	10,091,805	9,675,397	9,227,479				
2018-2019	1,464,370	8,952,794	10,264,464	11,898,021	11,928,209	11,547,412					
2019-2020	2,029,952	12,058,742	15,256,797	15,758,586	14,695,127						
2020-2021	1,416,879	12,073,923	14,324,922	14,814,060							
2021-2022	1,619,601	12,931,017	16,258,331								
2022-2023	1,885,694	15,162,820									
2023-2024	2,034,622										

Reported Loss Development Factors:

	6-18 Months	18-30 Months	30-42 Months	42-54 Months	54-66 Months	66-78 Months	78-90 Months	90-102 Months	102-114 Months	114-126 Months	126-138 Months
2002-2003								0.931	1.013	0.964	1.000
2003-2004							0.943	1.028	1.000	1.000	1.000
2004-2005						0.915	1.063	0.996	1.000	1.000	1.024
2005-2006					0.961	0.966	1.013	0.995	0.954	1.007	0.962
2006-2007				0.904	0.967	0.993	1.000	1.029	0.998	0.989	1.011
2007-2008			0.999	1.004	0.950	0.969	1.003	1.009	0.981	0.956	1.424
2008-2009		1.157	0.986	0.983	0.999	1.019	0.920	0.944	1.005	1.305	0.996
2009-2010	6.402	1.070	1.100	0.946	1.052	1.020	0.956	0.917	1.537	1.010	0.996
2010-2011	4.041	1.528	0.845	1.037	1.130	0.929	1.050	1.520	0.997	0.998	1.083
2011-2012	7.563	1.555	1.008	1.018	1.032	0.937	1.319	1.005	0.998	1.038	1.000
2012-2013	3.564	2.050	1.069	0.973	1.031	1.413	1.013	0.995	0.980	1.000	1.000
2013-2014	49.248	1.779	1.050	0.853	1.263	0.976	1.003	1.001	0.998	1.000	
2014-2015	84.157	1.553	1.036	1.131	1.020	0.977	0.992	1.000	1.000		
2015-2016	40.000	1.028	1.173	1.029	0.966	0.980	0.987	0.995			
2016-2017	5.110	1.253	1.008	0.970	0.967	0.978	0.995				
2017-2018	9.422	1.160	0.995	0.959	0.959	0.954					
2018-2019	6.114	1.147	1.159	1.003	0.968						
2019-2020	5.940	1.265	1.033	0.933							
2020-2021	8.521	1.186	1.034								
2021-2022	7.984	1.257									
2022-2023	8.041										

	6-18 Months	18-30 Months	30-42 Months	42-54 Months	54-66 Months	66-78 Months	78-90 Months	90-102 Months	102-114 Months	114-126 Months	126-138 Months
Average	17.579	1.356	1.035	0.982	1.019	1.002	1.018	1.026	1.035	1.022	1.045
Dollar-Weighted Averages											
3-yr	8.161	1.237	1.066	0.962	0.965	0.972	0.991	0.999	0.993	1.013	1.029
4-yr	7.512	1.219	1.051	0.964	0.965	0.973	0.994	0.998	0.994	1.009	1.022
Industry Factors	3.166	1.361	1.046	1.006	1.004	1.004	1.004	1.004	1.004	1.004	1.003
Prior	7.500	1.200	1.050	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Selected	7.500	1.200	1.050	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Cumulated	9.450	1.260	1.050	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

## ICRMA - Excess Liability - \$250K &amp; \$1M Analyses

## Paid Loss Development

Accident Year (A)	Limited Paid Losses as of 12/31/23 (B)	Paid Loss Development Factor (C)	Estimated Ultimate Limited Losses (D)	\$1M Limited Paid Losses of 12/31/23 (E)	Paid Loss Development Factor (F)	Estimated Ultimate Losses (G)
2002-2003	12,136,487	1.000	12,136,487	15,781,468	1.005	15,860,375
2003-2004	12,702,536	1.000	12,702,536	17,537,867	1.006	17,643,094
2004-2005	12,699,670	1.000	12,699,670	21,283,552	1.007	21,432,537
2005-2006	11,075,343	1.000	11,075,343	13,878,503	1.008	13,989,531
2006-2007	13,679,035	1.000	13,679,035	20,229,082	1.009	20,411,144
2007-2008	11,969,244	1.000	11,969,244	16,230,364	1.010	16,392,667
2008-2009	11,008,614	1.000	11,008,614	15,909,314	1.011	16,084,316
2009-2010	9,258,250	1.000	9,258,250	12,997,305	1.012	13,153,273
2010-2011	13,517,119	1.000	13,517,119	21,072,477	1.013	21,346,420
2011-2012	11,884,125	1.000	11,884,125	18,680,497	1.015	18,960,704
2012-2013	11,508,995	1.001	11,520,504	22,335,502	1.019	22,759,876
2013-2014	10,958,155	1.003	10,991,029	18,639,528	1.024	19,086,877
2014-2015	12,568,569	1.006	12,643,980	19,813,398	1.036	20,526,680
2015-2016	11,159,339	1.011	11,282,091	16,467,922	1.057	17,406,594
2016-2017	12,138,481	1.021	12,393,389	21,236,231	1.098	23,317,382
2017-2018	9,007,831	1.036	9,332,112	13,476,693	1.159	15,619,487
2018-2019	10,403,099	1.088	11,318,572	16,742,519	1.268	21,229,514
2019-2020	12,143,898	1.251	15,192,017	20,421,106	1.497	30,570,395
2020-2021	8,348,227	1.626	13,574,218	12,455,078	2.156	26,853,149
2021-2022	4,120,216	3.089	12,727,347	4,960,066	4.534	22,488,940
2022-2023	1,153,974	11.738	13,545,344	1,153,974	18.812	21,708,554
Totals	\$223,441,207		\$254,451,026	\$341,302,445		\$416,841,509

## Notes:

- (A) Years are 7/1 to 6/30.
- (B) Provided by ICRMA. These losses exclude amounts over \$250,000 per occurrence.
- (C) From Appendix A, Page 9.
- (D) (B) x (C). These estimated losses exclude amounts over \$250,000 per occurrence.
- (E) Losses capped at the ICRMA's SIR. Amounts are provided by ICRMA.
- (F) Derived from factors on Appendix A, Page 4.
- (G) (E) x (F).

This method tends to understate ultimate losses for the most recent several years because the large losses for those years generally have not yet emerged at the time of our review.

This exhibit shows the calculation of estimated ultimate losses for each year based on paid losses as reported by the claims administrator. These losses tend to "develop" or change from period to period as more information becomes available about the cases. This development tends to follow quantifiable patterns over time.

ICRMA - Excess Liability - \$250K & \$1M Analyses  
Paid Loss Development

Accident Year	<u>Limited Losses Paid as of:</u>										
	6 Months	18 Months	30 Months	42 Months	54 Months	66 Months	78 Months	90 Months	102 Months	114 Months	126 Months
2002-2003								9,182,000	8,671,000	8,873,000	8,873,000
2003-2004							9,702,000	9,397,000	9,674,000	9,680,000	9,680,000
2004-2005						8,592,000	7,905,000	8,416,000	8,422,000	8,422,000	8,422,000
2005-2006					7,074,000	7,109,000	7,122,000	7,127,000	7,128,000	6,878,000	6,780,000
2006-2007				7,255,000	7,767,000	7,822,000	7,935,000	7,933,000	8,186,000	8,166,000	8,026,000
2007-2008			4,908,000	7,143,000	8,119,000	8,398,000	8,460,000	8,487,000	8,636,000	8,474,000	8,097,000
2008-2009		2,185,000	4,711,000	7,627,000	8,871,000	8,722,000	9,131,000	8,626,000	7,990,000	8,137,000	10,633,492
2009-2010	73,000	844,000	3,362,000	5,182,000	5,634,000	6,020,000	6,379,000	6,308,000	5,725,000	8,818,620	8,978,905
2010-2011	170,000	925,000	3,172,000	4,322,000	6,764,000	7,355,000	7,557,000	7,889,000	12,381,162	12,495,314	12,451,410
2011-2012	43,000	955,000	3,515,000	6,193,000	7,506,000	8,580,000	8,365,000	11,422,913	11,478,743	11,453,302	11,884,125
2012-2013	64,000	654,000	2,450,000	5,027,000	7,317,000	7,795,000	11,620,749	11,739,576	11,710,502	11,508,995	11,508,995
2013-2014	1,000	456,000	2,626,000	6,783,000	8,130,000	11,041,708	10,818,522	10,929,588	10,958,155	10,958,155	10,958,155
2014-2015	7,000	327,000	3,820,000	6,904,000	10,952,878	11,922,791	12,348,022	12,565,939	12,568,479	12,568,569	
2015-2016		1,187,000	3,810,000	8,107,214	9,685,032	10,714,982	10,969,514	11,063,108	11,159,339		
2016-2017	30,000	1,943,000	4,574,770	7,965,076	10,166,545	11,172,179	11,855,821	12,138,481			
2017-2018	46,000	795,220	3,068,243	5,942,433	7,550,376	8,713,580	9,007,831				
2018-2019	45,849	983,802	3,732,994	6,471,145	8,997,684	10,403,099					
2019-2020	188,558	1,476,765	4,840,542	8,577,346	12,143,898						
2020-2021	60,351	1,005,003	3,967,647	8,348,227							
2021-2022	88,203	1,091,109	4,120,216								
2022-2023	64,394	1,153,974									
2023-2024	41,776										

Paid Loss Development Factors:

	6-18 Months	18-30 Months	30-42 Months	42-54 Months	54-66 Months	66-78 Months	78-90 Months	90-102 Months	102-114 Months	114-126 Months	126-138 Months
2002-2003								0.944	1.023	1.000	1.000
2003-2004							0.969	1.029	1.001	1.000	1.000
2004-2005						0.920	1.065	1.001	1.000	1.000	1.024
2005-2006					1.005	1.002	1.001	1.000	0.965	0.986	0.997
2006-2007				1.071	1.007	1.014	1.000	1.032	0.998	0.983	1.018
2007-2008			1.455	1.137	1.034	1.007	1.003	1.018	0.981	0.956	1.424
2008-2009		2.156	1.619	1.163	0.983	1.047	0.945	0.926	1.018	1.307	1.000
2009-2010	11.562	3.983	1.541	1.087	1.069	1.060	0.989	0.908	1.540	1.018	0.996
2010-2011	5.441	3.429	1.363	1.565	1.087	1.027	1.044	1.569	1.009	0.996	1.086
2011-2012	22.209	3.681	1.762	1.212	1.143	0.975	1.366	1.005	0.998	1.038	1.000
2012-2013	10.219	3.746	2.052	1.456	1.065	1.491	1.010	0.998	0.983	1.000	1.000
2013-2014	456.000	5.759	2.583	1.199	1.358	0.980	1.010	1.003	1.000	1.000	
2014-2015	46.714	11.682	1.807	1.586	1.089	1.036	1.018	1.000	1.000		
2015-2016		3.210	2.128	1.195	1.106	1.024	1.009	1.009			
2016-2017	64.767	2.354	1.741	1.276	1.099	1.061	1.024				
2017-2018	17.287	3.858	1.937	1.271	1.154	1.034					
2018-2019	21.457	3.794	1.733	1.390	1.156						
2019-2020	7.832	3.278	1.772	1.416							
2020-2021	16.653	3.948	2.104								
2021-2022	12.370	3.776									
2022-2023	17.921										

	6-18 Months	18-30 Months	30-42 Months	42-54 Months	54-66 Months	66-78 Months	78-90 Months	90-102 Months	102-114 Months	114-126 Months	126-138 Months
Average	54.649	4.190	1.828	1.287	1.097	1.048	1.032	1.032	1.040	1.024	1.050
Dollar-Weighted Averages											
3-yr	15.262	3.618	1.866	1.367	1.134	1.040	1.017	1.004	0.994	1.013	1.030
4-yr	11.773	3.656	1.880	1.342	1.126	1.039	1.015	1.002	0.995	1.008	1.023
Industry											
Factors	4.739	2.203	1.449	1.153	1.049	1.019	1.015	1.013	1.010	1.008	1.007
Prior	20.000	3.800	1.900	1.300	1.150	1.050	1.015	1.010	1.005	1.003	1.002
Selected	20.000	3.800	1.900	1.300	1.150	1.050	1.015	1.010	1.005	1.003	1.002
Cumulated	234.760	11.738	3.089	1.626	1.251	1.088	1.036	1.021	1.011	1.006	1.003

ICRMA - Excess Liability - \$250K & \$1M Analyses

Exposure and Development Method  
Based on Reported Losses

Accident Year	Trended Payroll (\$00) (A)	Reported Losses as of 12/31/23 (B)	Reported Loss Development Factor (C)	Percentage of Losses Yet to Be Reported (D)	\$1M Limited Loss Rate (E)	Incurred but not Reported (IBNR) (F)	Ultimate \$1M Losses (G)
2002-2003	9,631,178	15,797,031	1.000	0.000	1.620	0	15,797,031
2003-2004	10,329,898	17,537,867	1.000	0.000	1.597	0	17,537,867
2004-2005	10,279,237	21,283,552	1.000	0.000	1.624	0	21,283,552
2005-2006	10,022,762	13,878,503	1.000	0.000	1.469	0	13,878,503
2006-2007	9,300,113	20,229,082	1.000	0.000	1.981	0	20,229,082
2007-2008	8,683,369	16,230,364	1.000	0.000	1.879	0	16,230,364
2008-2009	8,482,641	15,909,314	1.000	0.000	1.794	0	15,909,314
2009-2010	8,826,909	12,997,305	1.000	0.000	1.470	0	12,997,305
2010-2011	8,312,545	21,072,477	1.000	0.000	2.309	0	21,072,477
2011-2012	7,666,244	18,680,497	1.000	0.000	2.234	0	18,680,497
2012-2013	7,239,011	22,335,502	1.000	0.000	2.325	0	22,335,502
2013-2014	6,840,860	18,639,528	1.003	0.003	2.376	48,762	18,688,290
2014-2015	6,695,377	19,813,399	1.010	0.010	2.827	189,278	20,002,677
2015-2016	6,444,206	17,752,645	1.020	0.020	2.646	341,027	18,093,672
2016-2017	5,711,928	22,384,667	1.034	0.033	3.358	632,962	23,017,629
2017-2018	4,819,532	15,024,411	1.052	0.049	3.009	710,597	15,735,008
2018-2019	4,488,143	20,506,154	1.074	0.069	4.386	1,358,265	21,864,419
2019-2020	5,493,028	26,853,360	1.102	0.093	4.669	2,385,166	29,238,526
2020-2021	5,324,967	24,203,866	1.144	0.126	4.972	3,335,943	27,539,809
2021-2022	5,436,195	20,480,906	1.339	0.253	5.294	7,281,142	27,762,048
2022-2023	5,392,469	17,964,585	1.814	0.449	5.639	13,653,252	31,617,837
Totals	\$155,420,612	\$399,575,014				\$29,936,394	\$429,511,408

Notes:

- (A) From Appendix A, Page 26, Column (C).
- (B) Provided by ICRMA. These losses exclude amounts incurred above the ICRMA's SIR for each year.
- (C) From Appendix A, Page 6, Column (F).
- (D)  $1 - 1/(C)$ .
- (E) From Appendix A, Page 12, Column (H).
- (F)  $(A) \times (D) \times (E)$ .
- (G)  $(B) + (F)$ .

This exhibit shows the calculation of ultimate losses based on the assumption that there is an underlying relationship between losses and payroll that changes in regular ways over time. The method relies on the premise that the losses that are currently unreported will cost what this relationship would suggest.



## ICRMA - Excess Liability - \$250K &amp; \$1M Analyses

Exposure and Development Method  
Based on Paid Losses

Accident Year	Trended Payroll (\$00) (A)	Paid Losses as of 12/31/23 (B)	Paid Loss Development Factor (C)	Percentage of Losses Yet to Be Paid (D)	\$1M Limited Loss Rate (E)	Incurred but not Paid (F)	Ultimate \$1M Losses (G)
2002-2003	9,631,178	15,781,468	1.005	0.005	1.620	78,013	15,859,481
2003-2004	10,329,898	17,537,867	1.006	0.006	1.597	98,981	17,636,848
2004-2005	10,279,237	21,283,552	1.007	0.007	1.624	116,854	21,400,406
2005-2006	10,022,762	13,878,503	1.008	0.008	1.469	117,787	13,996,290
2006-2007	9,300,113	20,229,082	1.009	0.009	1.981	165,812	20,394,894
2007-2008	8,683,369	16,230,364	1.010	0.010	1.879	163,161	16,393,525
2008-2009	8,482,641	15,909,314	1.011	0.011	1.794	167,396	16,076,710
2009-2010	8,826,909	12,997,305	1.012	0.012	1.470	155,707	13,153,012
2010-2011	8,312,545	21,072,477	1.013	0.013	2.309	249,518	21,321,995
2011-2012	7,666,244	18,680,497	1.015	0.015	2.234	256,896	18,937,393
2012-2013	7,239,011	22,335,502	1.019	0.019	2.325	319,783	22,655,285
2013-2014	6,840,860	18,639,528	1.024	0.023	2.376	373,839	19,013,367
2014-2015	6,695,377	19,813,398	1.036	0.035	2.827	662,474	20,475,872
2015-2016	6,444,206	16,467,922	1.057	0.054	2.646	920,774	17,388,696
2016-2017	5,711,928	21,236,231	1.098	0.089	3.358	1,707,078	22,943,309
2017-2018	4,819,532	13,476,693	1.159	0.137	3.009	1,986,770	15,463,463
2018-2019	4,488,143	16,742,519	1.268	0.211	4.386	4,153,534	20,896,053
2019-2020	5,493,028	20,421,106	1.497	0.332	4.669	8,514,787	28,935,893
2020-2021	5,324,967	12,455,078	2.156	0.536	4.972	14,190,994	26,646,072
2021-2022	5,436,195	4,960,066	4.534	0.779	5.294	22,419,010	27,379,076
2022-2023	5,392,469	1,153,974	18.812	0.947	5.639	28,796,502	29,950,476
Totals	\$155,420,612	\$341,302,445				\$85,615,670	\$426,918,115

## Notes:

- (A) From Appendix A, Page 26, Column (C).
- (B) Provided by ICRMA. These losses exclude amounts paid above the ICRMA's SIR for each year.
- (C) From Appendix A, Page 8, Column (F).
- (D)  $1 - 1/(C)$ .
- (E) From Appendix A, Page 12, Column (H).
- (F)  $(A) \times (D) \times (E)$ .
- (G)  $(B) + (F)$ .

This exhibit shows the calculation of ultimate losses based on the assumption that there is an underlying relationship between losses and payroll that changes in regular ways over time. The method relies on the premise that the losses that are currently unpaid will cost what this relationship would suggest.

ICRMA - Excess Liability - \$250K & \$1M Analyses

Exposure and Development Method

Accident Year	Trended Payroll (\$00) (A)	Ultimate Limited Losses (B)	Benefit Level Factor (C)	Trended Limited Losses (D)	Trended Limited Loss Rate (E)	Limited Loss Rate (F)	Factor to \$1M (G)	\$1M Limited Loss Rate (H)
2002-2003	9,631,178	12,152,050	2.787	33,867,763	3.516	1.262	1.284	1.620
2003-2004	10,329,898	12,702,536	2.654	33,712,531	3.264	1.230	1.298	1.597
2004-2005	10,279,237	12,699,670	2.528	32,104,766	3.123	1.235	1.315	1.624
2005-2006	10,022,762	11,075,343	2.408	26,669,426	2.661	1.105	1.330	1.469
2006-2007	9,300,113	13,679,035	2.293	31,366,027	3.373	1.471	1.347	1.981
2007-2008	8,683,369	11,969,244	2.184	26,140,829	3.010	1.378	1.363	1.879
2008-2009	8,482,641	11,008,614	2.080	22,897,917	2.699	1.298	1.382	1.794
2009-2010	8,826,909	9,258,250	1.981	18,340,593	2.078	1.049	1.401	1.470
2010-2011	8,312,545	13,517,119	1.887	25,506,804	3.068	1.626	1.420	2.309
2011-2012	7,666,244	11,884,125	1.797	21,355,773	2.786	1.550	1.441	2.234
2012-2013	7,239,011	11,508,995	1.712	19,703,399	2.722	1.590	1.462	2.325
2013-2014	6,840,860	10,958,155	1.630	17,861,793	2.611	1.602	1.483	2.376
2014-2015	6,695,377	12,568,570	1.553	19,518,989	2.915	1.877	1.506	2.827
2015-2016	6,444,206	11,166,000	1.478	16,503,348	2.561	1.733	1.527	2.646
2016-2017	5,711,928	12,371,000	1.408	17,418,368	3.049	2.166	1.550	3.358
2017-2018	4,819,532	9,228,000	1.340	12,365,520	2.566	1.915	1.571	3.009
2018-2019	4,488,143	11,548,000	1.276	14,735,248	3.283	2.751	1.594	4.386
2019-2020	5,493,028	14,696,000	1.216	17,870,336	3.253	2.887	1.617	4.669
2020-2021	5,324,967	14,815,000	1.158	17,155,770	3.222	3.031	1.641	4.972
2021-2022	5,436,195	17,072,000	1.103	18,830,416	3.464	3.182	1.664	5.294
2022-2023	5,392,469	19,106,000	1.050	20,061,300	3.720	3.343	1.687	5.639
Total/Avg	\$155,420,612	\$264,983,706		\$463,986,916	\$2.985			
18/19-22/23	26,134,802	77,237,000		88,653,070	3.392			
19/20-22/23	21,646,659	65,689,000		73,917,822	3.415			

Selected Limited Rate: \$3.510  
Prior Selected Limited Rate: \$3.350

Notes:

- (A) From Appendix A, Page 26, Column (C).
- (B) Selected average of results from Appendix A, Pages 6 and 8.
- (C) From Appendix A, Page 20, Column (B).
- (D) (B) x (C).
- (E) (D) / (A).
- (F) Selected Limited Rate / (C). For 2017-2018 and prior (B) / (A).
- (G) Based on a Burr distribution, a mathematical model of claim sizes.
- (H) (F) x (G).

This exhibit shows the calculation of the underlying historical relationship between losses and payroll that is needed to apply the estimation methods shown on pages 1 and 2 of this Appendix.

ICRMA - Excess Liability - \$250K & \$1M Analyses

Frequency and Severity Method

Accident Year	\$1M Limited Severity (A)	Adjusted Ultimate Claims (B)	Estimated Ultimate Losses (C)
2002-2003	11,197	1,393	15,597,421
2003-2004	14,035	1,175	16,491,125
2004-2005	11,178	1,494	16,699,932
2005-2006	11,688	1,260	14,726,880
2006-2007	14,412	1,278	18,418,536
2007-2008	14,728	1,108	16,318,624
2008-2009	14,011	1,086	15,215,946
2009-2010	12,100	1,072	12,971,200
2010-2011	16,793	1,143	19,194,399
2011-2012	15,331	1,117	17,124,727
2012-2013	15,437	1,090	16,826,330
2013-2014	18,116	897	16,250,052
2014-2015	21,221	892	18,929,132
2015-2016	16,148	1,056	17,052,288
2016-2017	19,669	975	19,177,275
2017-2018	20,595	704	14,498,880
2018-2019	27,886	767	21,388,562
2019-2020	29,008	829	24,047,632
2020-2021	30,159	747	22,528,773
2021-2022	31,341	862	27,015,942
2022-2023	32,582	1,059	34,504,338
Total		22,004	\$394,977,994

Notes:

- (A) From Appendix A, Page 14, Column (H).
- (B) From Appendix A, Page 14, Column (B).
- (C) (A) x (B).

This exhibit shows the calculation of the estimated ultimate losses for each year based on the observed average frequency and severity of claims.

ICRMA - Excess Liability - \$250K & \$1M Analyses

Frequency and Severity Method

Accident Year	Estimated Ultimate Limited Losses (A)	Adjusted Ultimate Claims (B)	Estimated Ultimate Limited Severity (C)	Benefit Level Factor (D)	Adjusted Limited Severity (E)	Limited Severity (F)	Factor to \$1M (G)	\$1M Limited Severity (H)
2002-2003	12,152,050	1,393	8,724	1.679	14,648	8,724	1.284	11,197
2003-2004	12,702,536	1,175	10,811	1.638	17,708	10,811	1.298	14,035
2004-2005	12,699,670	1,494	8,500	1.598	13,583	8,500	1.315	11,178
2005-2006	11,075,343	1,260	8,790	1.559	13,704	8,790	1.330	11,688
2006-2007	13,679,035	1,278	10,703	1.521	16,279	10,703	1.347	14,412
2007-2008	11,969,244	1,108	10,803	1.484	16,032	10,803	1.363	14,728
2008-2009	11,008,614	1,086	10,137	1.448	14,678	10,137	1.382	14,011
2009-2010	9,258,250	1,072	8,636	1.412	12,194	8,636	1.401	12,100
2010-2011	13,517,119	1,143	11,826	1.378	16,296	11,826	1.420	16,793
2011-2012	11,884,125	1,117	10,639	1.344	14,299	10,639	1.441	15,331
2012-2013	11,508,995	1,090	10,559	1.312	13,853	10,559	1.462	15,437
2013-2014	10,958,155	897	12,216	1.280	15,636	12,216	1.483	18,116
2014-2015	12,568,570	892	14,090	1.249	17,598	14,090	1.506	21,221
2015-2016	11,166,000	1,056	10,574	1.218	12,879	10,574	1.527	16,148
2016-2017	12,371,000	975	12,688	1.188	15,073	12,688	1.550	19,669
2017-2018	9,228,000	704	13,108	1.160	15,205	13,108	1.571	20,595
2018-2019	11,548,000	767	15,056	1.132	17,043	17,491	1.594	27,886
2019-2020	15,014,000	829	18,111	1.104	19,995	17,935	1.617	29,008
2020-2021	14,815,000	747	19,833	1.077	21,360	18,384	1.641	30,159
2021-2022	16,452,000	862	19,086	1.051	20,059	18,839	1.664	31,341
2022-2023	18,263,000	1,059	17,246	1.025	17,677	19,317	1.687	32,582

Average Limited Severity: \$15,990  
18/19-22/23: 19,227  
19/20-22/23: 19,773

Selected Limited Severity: \$19,800  
Prior Selected Limited Severity: \$19,800

Notes:

- (A) Selected average of results from Appendix A, Pages 6, 8, 10 and 11.
- (B) Appendix A, Page 15, Column (C).
- (C) (A) / (B).
- (D) From Appendix A, Page 20, Column (J).
- (E) (C) x (D).
- (F) Selected Limited Severity / (D).
- (G) Based on a Burr distribution, a mathematical model of claim sizes.
- (H) (F) x (G).

This exhibit shows the calculation of the historical average cost per claim, or severity. The observed average severity is used in the method shown on page 1 of this Appendix.

ICRMA - Excess Liability - \$250K & \$1M Analyses

Frequency and Severity Method  
Projection of Ultimate Claims

Accident Year	Reported Claim Development (A)	Closed Claim Development (B)	Selected Ultimate Claims (C)	Trended Payroll (\$000,000) (D)	Claim Frequency (E)	Trend Factor (F)	Trended Claim Frequency (G)
2002-2003	1,393	1,391	1,393	963	1.446	1.679	2.428
2003-2004	1,175	1,175	1,175	1,033	1.137	1.638	1.862
2004-2005	1,494	1,494	1,494	1,028	1.453	1.598	2.322
2005-2006	1,260	1,260	1,260	1,002	1.257	1.559	1.960
2006-2007	1,278	1,278	1,278	930	1.374	1.521	2.090
2007-2008	1,108	1,108	1,108	868	1.276	1.484	1.894
2008-2009	1,086	1,086	1,086	848	1.280	1.448	1.853
2009-2010	1,072	1,072	1,072	883	1.214	1.412	1.714
2010-2011	1,143	1,143	1,143	831	1.375	1.378	1.895
2011-2012	1,117	1,118	1,117	767	1.457	1.344	1.958
2012-2013	1,090	1,092	1,090	724	1.506	1.312	1.976
2013-2014	897	899	897	684	1.311	1.280	1.678
2014-2015	892	894	892	670	1.332	1.249	1.664
2015-2016	1,056	1,057	1,056	644	1.639	1.218	1.996
2016-2017	975	974	975	571	1.707	1.188	2.028
2017-2018	704	704	704	482	1.461	1.160	1.695
2018-2019	767	760	767	449	1.709	1.132	1.935
2019-2020	829	824	829	549	1.509	1.104	1.666
2020-2021	747	726	747	532	1.403	1.077	1.511
2021-2022	862	839	862	544	1.586	1.051	1.667
2022-2023	1,076	1,042	1,059	539	1.964	1.025	2.013
Total	22,021	21,936	22,004	15,542			1.924
17/18-21/22	3,909	3,853	3,909	2,556			1.686

(H) Selected 2023-2024 Frequency: 1.790  
Prior: 1.765

Program Year:	2023-2024	2024-2025
(I) Trend Factor:	1.000	1.025
(J) Selected Frequency:	1.790	1.835
(K) Estimated Payroll (\$000,000)	\$567	\$584
(L) Ultimate Claims:	1,015	1,071

Notes:

- (A) From Appendix A, Page 16, (C).
- (B) From Appendix A, Page 17, (C).
- (C) Selected from (A) and (B).
- (D) From Appendix A, Page 26, (C) divided by 10,000.
- (E) (C) / (D).
- (F) From Appendix A, Page 20.
- (G) (E) x (F).
- (H) The selected frequency of 1.790 is based on (G).
- (I) From Appendix A, Page 20.
- (J) (H) x (I).
- (K) From Appendix A, Page 26, (C) divided by 10,000.
- (L) (J) x (K).

This exhibit summarizes the estimated numbers of claims and shows the estimated frequencies per \$1,000,000 of trended payroll.

ICRMA - Excess Liability - \$250K & \$1M Analyses

Frequency and Severity Method  
Reported Claim Count Development

Accident Year	Claims Reported as of 12/31/2023 (A)	Reported Claim Development Factor (B)	Ultimate Claims (C)	Trended Claim Frequency (D)
2002-2003	1,393	1.000	1,393	2.428
2003-2004	1,175	1.000	1,175	1.863
2004-2005	1,494	1.000	1,494	2.323
2005-2006	1,260	1.000	1,260	1.960
2006-2007	1,278	1.000	1,278	2.090
2007-2008	1,108	1.000	1,108	1.894
2008-2009	1,086	1.000	1,086	1.854
2009-2010	1,072	1.000	1,072	1.715
2010-2011	1,143	1.000	1,143	1.895
2011-2012	1,117	1.000	1,117	1.958
2012-2013	1,090	1.000	1,090	1.976
2013-2014	897	1.000	897	1.678
2014-2015	891	1.001	892	1.664
2015-2016	1,054	1.002	1,056	1.996
2016-2017	972	1.003	975	2.028
2017-2018	701	1.004	704	1.694
2018-2019	763	1.005	767	1.935
2019-2020	823	1.007	829	1.666
2020-2021	740	1.010	747	1.511
2021-2022	849	1.015	862	1.667
2022-2023	1,030	1.045	1,076	2.045
Total	21,936		22,021	1.925

Notes:

- (A) Provided by ICRMA.
- (B) From Appendix A, Page 18.
- (C) (A) x (B).
- (D) (C) / [Appendix A, Page 15, (D)] x [Appendix A, Page 15, (F)].

This exhibit shows the calculation of estimated ultimate claims for each year based on reported claims as provided by ICRMA. These numbers of claims tend to "develop" or change from period to period as more claims are filed. This development tends to follow quantifiable patterns over time.

ICRMA - Excess Liability - \$250K & \$1M Analyses

Frequency and Severity Method  
Closed Claim Count Development

Accident Year	Claims Closed as of 12/31/2023 (A)	Closed Claim Development Factor (B)	Ultimate Claims (C)	Trended Claim Frequency (D)
2012-2013	1,090	1.002	1,092	1.979
2013-2014	896	1.003	899	1.682
2014-2015	890	1.005	894	1.668
2015-2016	1,050	1.007	1,057	1.998
2016-2017	965	1.009	974	2.026
2017-2018	694	1.014	704	1.694
2018-2019	739	1.029	760	1.917
2019-2020	777	1.060	824	1.656
2020-2021	659	1.102	726	1.468
2021-2022	662	1.267	839	1.622
2022-2023	567	1.837	1,042	1.981
Total	21,113		21,936	1.919

Notes:

- (A) Provided by ICRMA.
- (B) From Appendix A, Page 19.
- (C) (A) x (B).
- (D) (C) / [Appendix A, Page 15, (D)] x [Appendix A, Page 15, (F)].

This exhibit shows the calculation of estimated ultimate claims for each year based on closed claims as provided by ICRMA. These numbers of closed claims tend to "develop" or change from period to period as more claims are closed. This development tends to follow quantifiable patterns over time.

ICRMA - Excess Liability - \$250K & \$1M Analyses  
Reported Claim Count Development

Claims Reported as of:

Accident Year	6 Months	18 Months	30 Months	42 Months	54 Months	66 Months	78 Months	90 Months	102 Months	114 Months	126 Months	138 Months	150 Months	162 Months
2002-2003														
2003-2004														
2004-2005														
2005-2006														1,178
2006-2007													1,218	1,219
2007-2008												1,028	1,028	1,028
2008-2009											1,017	1,017	1,018	1,086
2009-2010										994	996	996	1,073	1,073
2010-2011									1,047	1,048	1,049	1,143	1,143	1,143
2011-2012								1,081	1,082	1,082	1,117	1,117	1,117	
2012-2013							1,091	1,091	1,091	1,091	1,090	1,090		
2013-2014						898	898	898	898	897	897			
2014-2015					888	889	889	890	890	891				
2015-2016				1,049	1,053	1,053	1,053	1,053	1,054					
2016-2017			964	966	967	969	972	972						
2017-2018		666	695	696	697	698	701							
2018-2019	185	738	753	762	763	763								
2019-2020	270	791	818	822	823									
2020-2021	238	712	730	740										
2021-2022	223	820	849											
2022-2023	234	1,030												
2023-2024	253													

Reported Claim Count Development Factors:

	6-18 Months	18-30 Months	30-42 Months	42-54 Months	54-66 Months	66-78 Months	78-90 Months	90-102 Months	102-114 Months	114-126 Months	126-138 Months	138-150 Months	150-162 Months	162-174 Months
2002-2003														
2003-2004														
2004-2005														
2005-2006														1.000
2006-2007													1.001	1.000
2007-2008												1.000	1.000	1.077
2008-2009											1.000	1.001	1.067	1.000
2009-2010										1.002	1.000	1.077	1.000	0.999
2010-2011									1.001	1.001	1.090	1.000	1.000	
2011-2012								1.001	1.000	1.032	1.000	1.000		
2012-2013							1.000	1.000	1.000	0.999	1.000			
2013-2014						1.000	1.000	1.000	0.999	1.000				
2014-2015					1.001	1.000	1.001	1.000	1.001					
2015-2016				1.004	1.000	1.000	1.000	1.001						
2016-2017			1.002	1.001	1.002	1.003	1.000							
2017-2018		1.044	1.001	1.001	1.001	1.004								
2018-2019	3.989	1.020	1.012	1.001	1.000									
2019-2020	2.930	1.034	1.005	1.001										
2020-2021	2.992	1.025	1.014											
2021-2022	3.677	1.035												
2022-2023	4.402													
Average	3.598	1.032	1.007	1.002	1.001	1.001	1.000	1.000	1.000	1.007	1.018	1.016	1.014	1.015
Claim-Weighted Averages														
3-yr	3.686	1.032	1.010	1.001	1.001	1.002	1.000	1.000	1.000	1.011	1.029	1.024	1.021	1.024
4-yr	3.475	1.029	1.008	1.001	1.001	1.002	1.000	1.000	1.000	1.008	1.022	1.018	1.016	1.018
Industry Factors	2.659	1.141	1.013	1.008	1.005	1.004	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003
Prior	3.400	1.030	1.005	1.003	1.002	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000
Selected	3.400	1.030	1.005	1.003	1.002	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000
Cumulated	3.553	1.045	1.015	1.010	1.007	1.005	1.004	1.003	1.002	1.001	1.000	1.000	1.000	1.000



ICRMA - Excess Liability - \$250K & \$1M Analyses  
Closed Claim Development

Accident Year	Claims Closed as of:													
	6 Months	18 Months	30 Months	42 Months	54 Months	66 Months	78 Months	90 Months	102 Months	114 Months	126 Months	138 Months	150 Months	162 Months
2002-2003														
2003-2004														
2004-2005														
2005-2006														1,177
2006-2007													1,217	1,219
2007-2008												1,028	1,028	1,028
2008-2009											1,016	1,017	1,018	1,086
2009-2010										993	996	996	1,073	1,073
2010-2011									1,044	1,047	1,047	1,143	1,143	1,143
2011-2012								1,077	1,082	1,082	1,117	1,117	1,117	
2012-2013							1,087	1,089	1,090	1,091	1,090	1,090		
2013-2014						883	890	894	895	895	896			
2014-2015					859	874	884	888	890	890				
2015-2016				999	1,023	1,041	1,044	1,047	1,050					
2016-2017			849	908	930	945	959	965						
2017-2018		415	597	646	667	685	694							
2018-2019	40	469	672	701	719	739								
2019-2020	42	464	626	741	777									
2020-2021	21	396	571	659										
2021-2022	54	433	662											
2022-2023	45	567												
2023-2024	49													

Closed Claim Count Development Factors:

	6-18 Months	18-30 Months	30-42 Months	42-54 Months	54-66 Months	66-78 Months	78-90 Months	90-102 Months	102-114 Months	114-126 Months	126-138 Months	138-150 Months	150-162 Months	162-174 Months
2002-2003														
2003-2004														
2004-2005														
2005-2006														1.001
2006-2007													1.002	1.000
2007-2008												1.000	1.000	1.077
2008-2009											1.001	1.001	1.067	1.000
2009-2010										1.003	1.000	1.077	1.000	0.999
2010-2011									1.003	1.000	1.092	1.000	1.000	
2011-2012							1.005	1.000	1.032	1.000	1.000			
2012-2013							1.002	1.001	1.001	0.999	1.000			
2013-2014						1.008	1.004	1.001	1.000	1.001				
2014-2015					1.017	1.011	1.005	1.002	1.000					
2015-2016				1.024	1.018	1.003	1.003	1.003						
2016-2017			1.069	1.024	1.016	1.015	1.006							
2017-2018		1.439	1.082	1.033	1.027	1.013								
2018-2019	11.725	1.433	1.043	1.026	1.028									
2019-2020	11.048	1.349	1.184	1.049										
2020-2021	18.857	1.442	1.154											
2021-2022	8.019	1.529												
2022-2023	12.600													
Average	12.450	1.438	1.106	1.031	1.021	1.010	1.004	1.002	1.001	1.007	1.019	1.016	1.014	1.015
Claim-Weighted Averages														
3-yr	11.633	1.438	1.124	1.036	1.023	1.010	1.005	1.002	1.000	1.011	1.030	1.024	1.021	1.024
4-yr	11.481	1.436	1.114	1.032	1.021	1.010	1.005	1.002	1.000	1.009	1.023	1.018	1.016	1.018
Industry Factors	3.699	1.523	1.094	1.036	1.017	1.008	1.007	1.006	1.005	1.005	1.005	1.005	1.005	1.005
Prior	13.000	1.420	1.100	1.030	1.020	1.010	1.005	1.002	1.002	1.002	1.001	1.001	1.001	1.000
Selected	13.000	1.450	1.150	1.040	1.030	1.015	1.005	1.002	1.002	1.002	1.001	1.001	1.001	1.000
Cumulated	23.881	1.837	1.267	1.102	1.060	1.029	1.014	1.009	1.007	1.005	1.003	1.002	1.001	1.000

ICRMA - Excess Liability - \$250K & \$1M Analyses

Loss Trend Factors

Accident Year	Benefit Level Factor (A)	Factor to 2023-2024 Loss Rate Level (B)	Factor to 2024-2025 Loss Rate Level (C)	Factor to 2025-2026 Loss Rate Level (D)	Factor to 2026-2027 Loss Rate Level (E)	Factor to 2023-2024 Frequency Level (F)	Factor to 2024-2025 Frequency Level (G)	Factor to 2025-2026 Frequency Level (H)	Factor to 2026-2027 Frequency Level (I)	Factor to 2023-2024 Severity Level (J)
2002-2003	1.000	2.787	2.926	3.073	3.227	1.679	1.720	1.764	1.808	1.679
2003-2004	1.000	2.654	2.786	2.927	3.073	1.638	1.678	1.721	1.764	1.638
2004-2005	1.000	2.528	2.654	2.788	2.927	1.598	1.637	1.679	1.721	1.598
2005-2006	1.000	2.408	2.528	2.655	2.788	1.559	1.598	1.638	1.679	1.559
2006-2007	1.000	2.293	2.407	2.529	2.655	1.521	1.559	1.598	1.638	1.521
2007-2008	1.000	2.184	2.293	2.409	2.529	1.484	1.520	1.559	1.598	1.484
2008-2009	1.000	2.080	2.184	2.294	2.409	1.448	1.483	1.521	1.559	1.448
2009-2010	1.000	1.981	2.080	2.185	2.294	1.412	1.447	1.484	1.521	1.412
2010-2011	1.000	1.887	1.981	2.081	2.185	1.378	1.412	1.448	1.484	1.378
2011-2012	1.000	1.797	1.887	1.982	2.081	1.344	1.378	1.413	1.448	1.344
2012-2013	1.000	1.712	1.797	1.888	1.982	1.312	1.344	1.379	1.413	1.312
2013-2014	1.000	1.630	1.712	1.798	1.888	1.280	1.312	1.345	1.379	1.280
2014-2015	1.000	1.553	1.630	1.712	1.798	1.249	1.280	1.312	1.345	1.249
2015-2016	1.000	1.478	1.552	1.630	1.712	1.218	1.248	1.280	1.312	1.218
2016-2017	1.000	1.408	1.478	1.552	1.630	1.188	1.218	1.249	1.280	1.188
2017-2018	1.000	1.340	1.407	1.478	1.552	1.160	1.188	1.219	1.249	1.160
2018-2019	1.000	1.276	1.340	1.408	1.478	1.132	1.160	1.189	1.219	1.132
2019-2020	1.000	1.216	1.277	1.341	1.408	1.104	1.131	1.160	1.189	1.104
2020-2021	1.000	1.158	1.216	1.277	1.341	1.077	1.104	1.132	1.160	1.077
2021-2022	1.000	1.103	1.158	1.216	1.277	1.051	1.077	1.104	1.132	1.051
2022-2023	1.000	1.050	1.102	1.158	1.216	1.025	1.050	1.077	1.104	1.025
2023-2024	1.000	1.000	1.050	1.103	1.158	1.000	1.025	1.051	1.077	1.000
2024-2025	1.000	--	1.000	1.050	1.103	--	1.000	1.025	1.051	--
2025-2026	1.000	--	--	1.000	1.050	--	--	1.000	1.025	--
2026-2027	1.000	--	--	--	1.000	--	--	--	1.000	--

Notes:

- (A) No benefit level adjustment applied.
- (B) - (E) (A) adjusted for a 5.0% annual loss rate trend.
- (F) - (I) (A) adjusted for a 2.5% annual frequency trend.
- (J) (A) adjusted for a 2.5% annual severity trend.

This exhibit shows the calculation of the ways in which we expect claims costs to have changed over the past twenty years due to changes in statutory workers' compensation benefit levels and changes in actual claims costs in excess of changes in payroll. Changes in the ways in which claims are filed as a result of greater awareness of workers' compensation benefits are not generally reflected in the statutory benefit level factors shown above, but may be part of the reason for changes in actual claims costs in excess of payroll changes.

ICRMA - Excess Liability - \$250K & \$1M Analyses

Loss Rate Trend

Accident Year	Trended Payroll (A)	Preliminary Ultimate Loss (B)	Benefit Level Factor (C)	Untrended Loss Rate (D)	Trended Loss Rate (E)
2002-2003	9,631,178	12,152,050	1.000	1.262	3.515
2003-2004	10,329,898	12,702,536	1.000	1.230	3.263
2004-2005	10,279,237	12,699,670	1.000	1.235	3.122
2005-2006	10,022,762	11,075,343	1.000	1.105	2.659
2006-2007	9,300,113	13,679,035	1.000	1.471	3.371
2007-2008	8,683,369	11,969,244	1.000	1.378	3.009
2008-2009	8,482,641	11,008,614	1.000	1.298	2.698
2009-2010	8,826,909	9,258,250	1.000	1.049	2.077
2010-2011	8,312,545	13,517,119	1.000	1.626	3.066
2011-2012	7,666,244	11,884,125	1.000	1.550	2.784
2012-2013	7,239,011	11,508,995	1.000	1.590	2.719
2013-2014	6,840,860	10,958,155	1.000	1.602	2.609
2014-2015	6,695,377	12,568,570	1.000	1.877	2.912
2015-2016	6,444,206	11,166,000	1.000	1.733	2.560
2016-2017	5,711,928	12,371,000	1.000	2.166	3.048
2017-2018	4,819,532	9,228,000	1.000	1.915	2.566
2018-2019	4,488,143	11,548,000	1.000	2.573	3.284
2019-2020	5,493,028	14,696,000	1.000	2.675	3.252
2020-2021	5,324,967	14,815,000	1.000	2.782	3.221
2021-2022	5,436,195	17,072,000	1.000	3.140	3.462
2022-2023	5,392,469	19,106,000	1.000	3.543	3.720

	R-Squared	Fitted Trend
Total Fits: Total	0.906	1.072
Total ex-22/23	0.885	1.068
10-Yr Fits: 11/12-20/21	0.886	1.073
12/13-21/22	0.913	1.081
5-Yr Fits: 14/15-18/19	0.562	1.076
15/16-19/20	0.780	1.110
18/19-22/23	0.932	1.083

Selected Trend: 1.050  
Prior Selected Trend: 1.050

ICRMA - Excess Liability - \$250K & \$1M Analyses

Incurred Losses as of 12/31/23

Accident Year (A)	Unlimited Incurred (B)	Additions to Losses (C)	Subtractions from Losses (D)	Adjusted Incurred (E)	Incurred Over \$1M (F)	Incurred Over \$250,000 (G)	Incurred Capped at \$250,000 (H)	Incurred \$250,000 to \$1M (I)	Incurred Capped at \$1M (J)	Incurred Capped at \$1M & Aggregate (K)
2002-2003	\$25,242,234	\$0	\$0	\$25,242,234	\$9,445,203	\$13,090,184	\$12,152,050	\$3,644,981	\$15,797,031	\$15,797,031
2003-2004	23,018,077	0	0	23,018,077	5,480,210	10,315,542	12,702,536	4,835,331	17,537,867	17,537,867
2004-2005	25,115,232	0	0	25,115,232	3,831,680	12,415,562	12,699,670	8,583,882	21,283,552	21,283,552
2005-2006	14,700,967	0	0	14,700,967	822,463	3,625,624	11,075,343	2,803,161	13,878,503	13,878,503
2006-2007	22,224,755	0	0	22,224,755	1,995,673	8,545,720	13,679,035	6,550,047	20,229,082	20,229,082
2007-2008	20,526,161	0	0	20,526,161	4,295,797	8,556,917	11,969,244	4,261,120	16,230,364	16,230,364
2008-2009	18,678,851	0	0	18,678,851	2,769,538	7,670,237	11,008,614	4,900,700	15,909,314	15,909,314
2009-2010	19,734,580	0	0	19,734,580	6,737,275	10,476,330	9,258,250	3,739,055	12,997,305	12,997,305
2010-2011	25,544,846	0	0	25,544,846	4,472,368	12,027,727	13,517,119	7,555,358	21,072,477	21,072,477
2011-2012	32,084,104	0	0	32,084,104	13,403,607	20,199,979	11,884,125	6,796,372	18,680,497	18,680,497
2012-2013	37,144,851	0	0	37,144,851	14,809,349	25,635,856	11,508,995	10,826,506	22,335,502	22,335,502
2013-2014	58,313,902	0	0	58,313,902	39,674,374	47,355,747	10,958,155	7,681,373	18,639,528	18,639,528
2014-2015	23,153,748	0	0	23,153,748	3,340,350	10,585,179	12,568,570	7,244,829	19,813,399	19,813,399
2015-2016	42,075,220	0	0	42,075,220	24,322,575	30,909,881	11,165,339	6,587,306	17,752,645	17,752,645
2016-2017	47,346,003	0	0	47,346,003	24,961,335	34,975,040	12,370,963	10,013,705	22,384,667	22,384,667
2017-2018	19,487,939	0	0	19,487,939	4,463,528	10,260,460	9,227,479	5,796,932	15,024,411	15,024,411
2018-2019	45,178,893	0	0	45,178,893	24,672,739	33,631,481	11,547,412	8,958,742	20,506,154	20,506,154
2019-2020	50,918,859	0	0	50,918,859	24,065,499	36,223,732	14,695,127	12,158,233	26,853,360	26,853,360
2020-2021	28,513,152	0	0	28,513,152	4,309,286	13,699,092	14,814,060	9,389,806	24,203,866	24,203,866
2021-2022	21,018,326	0	0	21,018,326	537,421	4,759,996	16,258,331	4,222,575	20,480,906	20,480,906
2022-2023	17,964,585	0	0	17,964,585	0	2,801,765	15,162,820	2,801,765	17,964,585	17,964,585
2023-2024	2,034,622	0	0	2,034,622	0	0	2,034,622	0	2,034,622	2,034,622
Total	\$620,019,907	\$0	\$0	\$620,019,907	\$218,410,272	\$357,762,048	\$262,257,859	\$139,351,777	\$401,609,636	\$401,609,636

Notes:

- (A) Years are 7/1 to 6/30.
- (B) Provided by ICRMA.
- (C)
- (D)
- (E) (B) + (C) - (D).
- (F) Sum of incurred losses in excess of \$1,000,000.
- (G) Sum of incurred losses in excess of \$250,000.
- (H) (E) - (G).
- (I) (G) - (F).
- (J) (E) - (F).
- (K) Minimum of (J) and the aggregate stop loss.

## ICRMA - Excess Liability - \$250K &amp; \$1M Analyses

## Paid Losses as of 12/31/23

Accident Year (A)	Unlimited Paid (B)	Additions to Losses (C)	Subtractions from Losses (D)	Adjusted Paid (E)	Paid Over \$1M (F)	Paid Over \$250,000 (G)	Paid Capped at \$250,000 (H)	Paid \$100,000 to \$1M (I)	Paid Capped at \$1M (J)	Paid Capped at \$1M & Aggregate (K)
2002-2003	\$25,226,671	\$0	\$0	\$25,226,671	\$9,445,203	\$13,090,184	\$12,136,487	\$3,644,981	\$15,781,468	\$15,781,468
2003-2004	23,018,077	0	0	23,018,077	5,480,210	10,315,542	12,702,536	4,835,331	17,537,867	17,537,867
2004-2005	25,115,232	0	0	25,115,232	3,831,680	12,415,562	12,699,670	8,583,882	21,283,552	21,283,552
2005-2006	14,700,967	0	0	14,700,967	822,463	3,625,624	11,075,343	2,803,161	13,878,503	13,878,503
2006-2007	22,224,755	0	0	22,224,755	1,995,673	8,545,720	13,679,035	6,550,047	20,229,082	20,229,082
2007-2008	20,526,161	0	0	20,526,161	4,295,797	8,556,917	11,969,244	4,261,120	16,230,364	16,230,364
2008-2009	18,678,851	0	0	18,678,851	2,769,538	7,670,237	11,008,614	4,900,700	15,909,314	15,909,314
2009-2010	19,734,580	0	0	19,734,580	6,737,275	10,476,330	9,258,250	3,739,055	12,997,305	12,997,305
2010-2011	25,544,846	0	0	25,544,846	4,472,368	12,027,727	13,517,119	7,555,358	21,072,477	21,072,477
2011-2012	32,084,104	0	0	32,084,104	13,403,607	20,199,979	11,884,125	6,796,372	18,680,497	18,680,497
2012-2013	37,144,851	0	0	37,144,851	14,809,349	25,635,856	11,508,995	10,826,506	22,335,502	22,335,502
2013-2014	58,313,902	0	0	58,313,902	39,674,374	47,355,747	10,958,155	7,681,373	18,639,528	18,639,528
2014-2015	23,153,747	0	0	23,153,747	3,340,350	10,585,179	12,568,569	7,244,829	19,813,398	19,813,398
2015-2016	26,785,903	0	0	26,785,903	10,317,980	15,626,564	11,159,339	5,308,584	16,467,922	16,467,922
2016-2017	45,445,388	0	0	45,445,388	24,209,157	33,306,907	12,138,481	9,097,750	21,236,231	21,236,231
2017-2018	16,965,221	0	0	16,965,221	3,488,528	7,957,390	9,007,831	4,468,862	13,476,693	13,476,693
2018-2019	24,607,872	0	0	24,607,872	7,865,354	14,204,773	10,403,099	6,339,419	16,742,519	16,742,519
2019-2020	34,221,952	0	0	34,221,952	13,800,846	22,078,053	12,143,898	8,277,207	20,421,106	20,421,106
2020-2021	15,020,614	0	0	15,020,614	2,565,535	6,672,386	8,348,227	4,106,851	12,455,078	12,455,078
2021-2022	5,488,257	0	0	5,488,257	528,190	1,368,041	4,120,216	839,850	4,960,066	4,960,066
2022-2023	1,153,974	0	0	1,153,974	0	0	1,153,974	0	1,153,974	1,153,974
2023-2024	41,776	0	0	41,776	0	0	41,776	0	41,776	41,776
Total	\$515,197,700	\$0	\$0	\$515,197,700	\$173,853,479	\$291,714,717	\$223,482,983	\$117,861,238	\$341,344,221	\$341,344,221

## Notes:

- (A) Years are 7/1 to 6/30.
- (B) Provided by ICRMA.
- (C)
- (D)
- (E) (B) + (C) - (D).
- (F) Sum of paid losses in excess of \$1,000,000.
- (G) Sum of paid losses in excess of \$250,000.
- (H) (E) - (G).
- (I) (G) - (F).
- (J) (E) - (F).
- (K) Minimum of (J) and the aggregate stop loss.

ICRMA - Excess Liability - \$250K & \$1M Analyses

Case Reserves as of 12/31/23

Accident Year (A)	Unlimited Reserves (B)	Additions to Losses (C)	Subtractions from Losses (D)	Adjusted Reserves (E)	Reserves Over \$1M (F)	Reserves Over \$250,000 (G)	Reserves Capped at \$250,000 (H)	Reserves \$250,000 to \$1M (I)	Reserves Capped at \$1M (J)	Reserves Capped at \$1M & Aggregate (K)
2002-2003	\$15,563	\$0	\$0	\$15,563	\$0	\$0	\$15,563	\$0	\$15,563	\$15,563
2003-2004	0	0	0	0	0	0	0	0	0	0
2004-2005	0	0	0	0	0	0	0	0	0	0
2005-2006	0	0	0	0	0	0	0	0	0	0
2006-2007	0	0	0	0	0	0	0	0	0	0
2007-2008	0	0	0	0	0	0	0	0	0	0
2008-2009	0	0	0	0	0	0	0	0	0	0
2009-2010	0	0	0	0	0	0	0	0	0	0
2010-2011	0	0	0	0	0	0	0	0	0	0
2011-2012	0	0	0	0	0	0	0	0	0	0
2012-2013	0	0	0	0	0	0	0	0	0	0
2013-2014	0	0	0	0	0	0	0	0	0	0
2014-2015	1	0	0	1	0	0	1	0	1	1
2015-2016	15,289,317	0	0	15,289,317	14,004,594	15,283,317	6,000	1,278,723	1,284,723	1,284,723
2016-2017	1,900,615	0	0	1,900,615	752,179	1,668,133	232,482	915,954	1,148,436	1,148,436
2017-2018	2,522,718	0	0	2,522,718	975,000	2,303,070	219,648	1,328,070	1,547,718	1,547,718
2018-2019	20,571,021	0	0	20,571,021	16,807,385	19,426,708	1,144,313	2,619,322	3,763,636	3,763,636
2019-2020	16,696,907	0	0	16,696,907	10,264,653	14,145,678	2,551,229	3,881,025	6,432,254	6,432,254
2020-2021	13,492,539	0	0	13,492,539	1,743,751	7,026,705	6,465,833	5,282,954	11,748,788	11,748,788
2021-2022	15,530,070	0	0	15,530,070	9,230	3,391,955	12,138,115	3,382,725	15,520,839	15,520,839
2022-2023	16,810,611	0	0	16,810,611	0	2,801,765	14,008,846	2,801,765	16,810,611	16,810,611
2023-2024	1,992,845	0	0	1,992,845	0	0	1,992,845	0	1,992,845	1,992,845
Total	\$104,822,208	\$0	\$0	\$104,822,208	\$44,556,793	\$66,047,332	\$38,774,876	\$21,490,539	\$60,265,415	\$60,265,415

Notes:

- (A) Years are 7/1 to 6/30.
- (B) Appendix A, Page 22, Column (B) - Appendix A, Page 23, Column (B).
- (C) Appendix A, Page 22, Column (C) - Appendix A, Page 23, Column (C).
- (D) Appendix A, Page 22, Column (D) - Appendix A, Page 23, Column (D).
- (E) (B) + (C) - (D).
- (F) Sum of case reserves in excess of \$1,000,000.
- (G) Sum of case reserves in excess of \$250,000.
- (H) (E) - (G).
- (I) (G) - (F).
- (J) (E) - (F).
- (K) Minimum of (J) and the aggregate stop loss.

ICRMA - Excess Liability - \$250K & \$1M Analyses

Claim Count Data as of 12/31/23

Accident Year (A)	Reported Claims (B)	Additions to Reported Claims (C)	Subtractions from Reported Claims (D)	Adjusted Reported Claims (E)	Closed Claims (F)	Additions to Closed Claims (G)	Subtractions from Closed Claims (H)	Adjusted Closed Claims (I)	Open Claims (J)	Adjusted Open Claims (K)
2002-2003	1,393	0	0	1,393	1,391	0	0	1,391	2	2
2003-2004	1,175	0	0	1,175	1,175	0	0	1,175	0	0
2004-2005	1,494	0	0	1,494	1,494	0	0	1,494	0	0
2005-2006	1,260	0	0	1,260	1,260	0	0	1,260	0	0
2006-2007	1,278	0	0	1,278	1,278	0	0	1,278	0	0
2007-2008	1,108	0	0	1,108	1,108	0	0	1,108	0	0
2008-2009	1,086	0	0	1,086	1,086	0	0	1,086	0	0
2009-2010	1,072	0	0	1,072	1,072	0	0	1,072	0	0
2010-2011	1,143	0	0	1,143	1,143	0	0	1,143	0	0
2011-2012	1,117	0	0	1,117	1,117	0	0	1,117	0	0
2012-2013	1,090	0	0	1,090	1,090	0	0	1,090	0	0
2013-2014	897	0	0	897	896	0	0	896	1	1
2014-2015	891	0	0	891	890	0	0	890	1	1
2015-2016	1,054	0	0	1,054	1,050	0	0	1,050	4	4
2016-2017	972	0	0	972	965	0	0	965	7	7
2017-2018	701	0	0	701	694	0	0	694	7	7
2018-2019	763	0	0	763	739	0	0	739	24	24
2019-2020	823	0	0	823	777	0	0	777	46	46
2020-2021	740	0	0	740	659	0	0	659	81	81
2021-2022	849	0	0	849	662	0	0	662	187	187
2022-2023	1,030	0	0	1,030	567	0	0	567	463	463
2023-2024	253	0	0	253	49	0	0	49	204	204
Total	22,189	0	0	22,189	21,162	0	0	21,162	1,027	1,027

Notes:

- (A) Years are 7/1 to 6/30.
- (B) Provided by ICRMA.
- (C)
- (D)
- (E) (B) + (C) - (D).
- (F) Provided by ICRMA.
- (G)
- (H)
- (I) (F) + (G) - (H).
- (J) (B) - (F).
- (K) (E) - (I).

ICRMA - Excess Liability - \$250K & \$1M Analyses

Exposure Measures

Accident Year	Total Payroll (\$00) (A)	Inflation Trend Factor (B)	Trended Payroll (\$00) (C)
2002-2003	5,736,258	1.679	9,631,178
2003-2004	6,306,409	1.638	10,329,898
2004-2005	6,432,564	1.598	10,279,237
2005-2006	6,428,968	1.559	10,022,762
2006-2007	6,114,473	1.521	9,300,113
2007-2008	5,851,327	1.484	8,683,369
2008-2009	5,858,178	1.448	8,482,641
2009-2010	6,246,928	1.413	8,826,909
2010-2011	6,027,951	1.379	8,312,545
2011-2012	5,699,810	1.345	7,666,244
2012-2013	5,517,539	1.312	7,239,011
2013-2014	5,344,422	1.280	6,840,860
2014-2015	5,360,590	1.249	6,695,377
2015-2016	5,286,469	1.219	6,444,206
2016-2017	4,803,976	1.189	5,711,928
2017-2018	4,154,769	1.160	4,819,532
2018-2019	3,964,790	1.132	4,488,143
2019-2020	4,975,569	1.104	5,493,028
2020-2021	4,944,259	1.077	5,324,967
2021-2022	5,172,403	1.051	5,436,195
2022-2023	5,260,946	1.025	5,392,469
2023-2024	5,668,321	1.000	5,668,321
2024-2025	5,838,370	1.000	5,838,370

Notes:

- (A) Provided by ICRMA.
- (B) Based on industry factors.
- (C) (A) x (B).



ICRMA - Excess Liability - \$750K xs \$250K Analysis

Estimated Loss Rates for the \$250,000 - \$1,000,000 Layer

Accident Year	Estimated Ultimate \$250K - \$1M Losses (A)	Trended Payroll (\$00's) (B)	Benefit Level Factor to 2023-2024 (C)	Loss Rate at 2023-2024 Level (D)
2002-2003	3,646,000	9,631,178	2.787	1.055
2003-2004	4,836,000	10,329,898	2.654	1.242
2004-2005	8,585,000	10,279,237	2.528	2.111
2005-2006	2,804,000	10,022,762	2.408	0.674
2006-2007	6,551,000	9,300,113	2.293	1.615
2007-2008	4,262,000	8,683,369	2.184	1.072
2008-2009	4,902,000	8,482,641	2.080	1.202
2009-2010	3,740,000	8,826,909	1.981	0.839
2010-2011	7,556,000	8,312,545	1.887	1.715
2011-2012	6,797,000	7,666,244	1.797	1.593
2012-2013	10,827,000	7,239,011	1.712	2.561
2013-2014	7,747,000	6,840,860	1.630	1.846
2014-2015	7,582,000	6,695,377	1.553	1.759
2015-2016	6,847,000	6,444,206	1.478	1.570
2016-2017	10,954,000	5,711,928	1.408	2.700
2017-2018	6,571,000	4,819,532	1.340	1.827
2018-2019	10,652,000	4,488,143	1.276	3.028
2019-2020	15,370,000	5,493,028	1.216	3.402
2020-2021	13,629,000	5,324,967	1.158	2.964
2021-2022	12,618,000	5,436,195	1.103	2.560
2022-2023	13,230,000	5,392,469	1.050	2.576
2023-2024				
			Average 18/19-21/22:	\$2.989
			Average 18/19-22/23:	2.906
			Prior Selected Rate:	2.880
			Selected 2023-2024 Rate:	\$2.875
			Benefit Level & Trend Factor to 2024-2025:	1.050
			Selected 2024-2025 Rate:	\$3.020

Notes:

- (A) From Appendix B, Page 2, Column (F).
- (B) Provided by ICRMA.
- (C) From Appendix B, Page 17, Column (B).
- (D) (A) / (B) \* (C)

ICRMA - Excess Liability - \$750K xs \$250K Analysis

Estimated Ultimate \$1,000,000 Limited Losses

Accident Year	Reported Loss Development Method (A)	Paid Loss Development Method (B)	Exposure Method Based on Reported Losses (C)	Exposure Method Based on Paid Losses (D)	Frequency-Severity Method (E)	Selected Estimate of Ultimate Losses (F)
2002-2003	\$3,644,981	\$3,725,170	\$3,644,981	\$3,736,092	\$4,138,218	\$3,646,000
2003-2004	4,835,331	4,956,215	4,835,331	4,967,719	5,522,724	4,836,000
2004-2005	8,583,882	8,824,231	8,583,882	8,850,320	9,872,753	8,585,000
2005-2006	2,803,161	2,890,058	2,803,161	2,900,582	3,244,234	2,804,000
2006-2007	6,550,047	6,772,749	6,550,047	6,801,708	7,631,906	6,551,000
2007-2008	4,261,120	4,418,781	4,261,120	4,441,178	4,999,329	4,262,000
2008-2009	4,900,700	5,096,728	4,900,700	5,120,858	5,794,160	4,902,000
2009-2010	3,739,055	3,899,834	3,739,055	3,921,816	4,454,338	3,740,000
2010-2011	7,555,358	7,902,905	7,555,358	7,954,393	9,067,198	7,556,000
2011-2012	6,796,372	7,129,394	6,796,372	7,182,988	8,224,380	6,797,000
2012-2013	10,826,506	11,465,270	10,826,506	11,566,333	13,208,952	10,827,000
2013-2014	7,758,187	8,219,069	7,776,598	8,300,334	9,528,820	7,747,000
2014-2015	7,462,174	7,983,801	7,517,632	8,119,680	9,409,246	7,582,000
2015-2016	6,989,132	6,142,031	7,075,841	6,474,212	8,565,606	6,847,000
2016-2017	11,045,116	11,581,436	11,299,763	12,057,066	13,823,952	10,954,000
2017-2018	6,712,848	6,542,414	6,933,493	7,118,053	8,358,305	6,571,000
2018-2019	10,992,376	11,138,359	11,408,976	12,047,803	18,247,625	10,652,000
2019-2020	16,036,709	18,176,747	16,311,006	17,629,527	14,768,478	15,370,000
2020-2021	13,868,743	18,037,290	15,079,448	17,705,624	16,963,800	13,629,000
2021-2022	9,665,474	12,910,180	14,940,718	18,639,964	18,406,458	12,618,000
2022-2023	14,109,689		18,822,300		18,124,880	13,230,000
Totals						\$169,706,000

Notes:

- (A) From Appendix B, Page 3, Column (D).
- (B) From Appendix B, Page 5, Column (D).
- (C) From Appendix B, Page 7, Column (G).
- (D) From Appendix B, Page 8, Column (G).
- (E) From Appendix B, Page 10, Column (C).
- (F) Selected averages of (A), (B), (C), (D), and (E).

This exhibit summarizes the results of the actuarial methods we have applied to estimate ultimate losses for each year. It is important to apply a number of estimation methods because each one relies on specific assumptions about the claims process that tend to hold generally true, but that may be violated in specific situations. Thus, the more estimation methods that can be applied, the better.

ICRMA - Excess Liability - \$750K xs \$250K Analysis

Reported Loss Development

Accident Year (A)	\$250K - \$1M Reported Losses as of 12/31/23 (B)	Reported Loss Development Factor (C)	Estimated Ultimate \$250K - \$1M Losses (D)
2002-2003	3,644,981	1.000	3,644,981
2003-2004	4,835,331	1.000	4,835,331
2004-2005	8,583,882	1.000	8,583,882
2005-2006	2,803,161	1.000	2,803,161
2006-2007	6,550,047	1.000	6,550,047
2007-2008	4,261,120	1.000	4,261,120
2008-2009	4,900,700	1.000	4,900,700
2009-2010	3,739,055	1.000	3,739,055
2010-2011	7,555,358	1.000	7,555,358
2011-2012	6,796,372	1.000	6,796,372
2012-2013	10,826,506	1.000	10,826,506
2013-2014	7,681,373	1.010	7,758,187
2014-2015	7,244,829	1.030	7,462,174
2015-2016	6,587,306	1.061	6,989,132
2016-2017	10,013,705	1.103	11,045,116
2017-2018	5,796,932	1.158	6,712,848
2018-2019	8,958,742	1.227	10,992,376
2019-2020	12,158,233	1.319	16,036,709
2020-2021	9,389,806	1.477	13,868,743
2021-2022	4,222,575	2.289	9,665,474
2022-2023	2,801,765	5.036	14,109,689
Totals	\$139,351,777		\$169,136,961

Notes:

- (A) Years are 7/1 to 6/30.
- (B) Provided by ICRMA. These losses exclude amounts over the SIR.
- (C) From Appendix B, Page 4.
- (D) (B) x (C). These estimated losses exclude amounts over the SIR.

This method tends to understate ultimate losses for the most recent several years because the large losses for those years generally have not yet emerged at the time of our review.

This exhibit shows the calculation of estimated ultimate losses for each year based on paid losses and case reserves as reported by the claims administrator. These losses tend to "develop" or change from period to period as more information becomes available about the cases. This development tends to follow quantifiable patterns over time.

ICRMA - Excess Liability - \$750K xs \$250K Analysis  
Reported Loss Development

\$250K - \$1M Losses Reported as of:

Accident Year	6 Months	18 Months	30 Months	42 Months	54 Months	66 Months	78 Months	90 Months	102 Months	114 Months	126 Months
2002-2003								5,588,000	5,537,000	5,574,000	5,597,000
2003-2004							4,478,000	3,714,000	4,683,000	4,538,000	4,538,000
2004-2005						6,695,000	5,195,000	6,697,000	6,712,000	6,514,000	6,495,000
2005-2006					1,081,000	904,000	903,000	903,000	904,000	804,000	1,165,000
2006-2007				5,564,000	6,204,000	5,453,000	5,462,000	5,463,000	5,564,000	5,303,000	5,261,000
2007-2008			1,904,000	2,852,000	3,349,000	3,046,000	3,114,000	3,027,000	3,022,000	2,629,000	2,873,000
2008-2009		2,165,000	3,768,000	4,696,000	4,252,000	4,251,000	4,529,000	4,635,000	4,478,000	4,537,000	4,900,700
2009-2010		913,000	1,358,000	2,224,000	3,174,000	3,054,000	3,675,000	3,518,000	2,461,000	3,739,055	3,739,055
2010-2011	281,000	167,000	2,248,000	2,326,000	3,156,000	2,954,000	3,891,000	4,324,000	7,297,473	7,307,473	7,302,553
2011-2012		510,000	3,471,000	4,164,000	5,234,000	4,630,000	4,642,000	6,810,520	6,796,372	6,786,340	6,796,372
2012-2013		414,000	2,018,000	5,699,000	6,381,000	7,317,000	10,829,846	11,579,846	11,576,506	10,826,506	10,826,506
2013-2014		3,331,000	4,490,000	7,000,000	5,976,000	7,673,474	7,435,366	7,423,446	7,424,196	6,724,196	7,681,373
2014-2015		1,826,000	1,931,000	4,059,000	6,404,797	7,131,787	6,782,879	7,244,829	7,244,829	7,244,829	
2015-2016		1,490,000	3,562,000	6,936,265	6,500,212	6,550,344	6,642,852	6,686,530	6,587,306		
2016-2017	879,000	4,520,000	7,212,862	8,322,030	9,940,954	9,664,092	9,456,922	10,013,705			
2017-2018		1,764,235	2,593,526	5,030,793	5,238,749	5,466,914	5,796,932				
2018-2019	100,000	1,111,891	4,032,817	8,493,223	9,350,346	8,958,742					
2019-2020		3,325,001	9,883,418	12,435,224	12,158,233						
2020-2021		4,933,700	9,929,886	9,389,806							
2021-2022		2,266,665	4,222,575								
2022-2023	630,000	2,801,765									
2023-2024											

Reported Loss Development Factors:

	6-18 Months	18-30 Months	30-42 Months	42-54 Months	54-66 Months	66-78 Months	78-90 Months	90-102 Months	102-114 Months	114-126 Months	126-138 Months
2002-2003								0.991	1.007	1.004	1.000
2003-2004							0.829	1.261	0.969	1.000	1.000
2004-2005						0.776	1.289	1.002	0.971	0.997	1.115
2005-2006					0.836	0.999	1.000	1.001	0.889	1.449	0.206
2006-2007				1.115	0.879	1.002	1.000	1.018	0.953	0.992	1.000
2007-2008			1.498	1.174	0.910	1.022	0.972	0.998	0.870	1.093	1.483
2008-2009		1.740	1.246	0.905	1.000	1.065	1.023	0.966	1.013	1.080	1.000
2009-2010		1.487	1.638	1.427	0.962	1.203	0.957	0.700	1.519	1.000	0.999
2010-2011	0.594	13.461	1.035	1.357	0.936	1.317	1.111	1.688	1.001	0.999	1.035
2011-2012		6.806	1.200	1.257	0.885	1.003	1.467	0.998	0.999	1.001	1.000
2012-2013		4.874	2.824	1.120	1.147	1.480	1.069	1.000	0.935	1.000	1.000
2013-2014		1.348	1.559	0.854	1.284	0.969	0.998	1.000	0.906	1.142	
2014-2015		1.058	2.102	1.578	1.114	0.951	1.068	1.000	1.000		
2015-2016		2.391	1.947	0.937	1.008	1.014	1.007	0.985			
2016-2017	5.142	1.596	1.154	1.195	0.972	0.979	1.059				
2017-2018		1.470	1.940	1.041	1.044	1.060					
2018-2019	11.119	3.627	2.106	1.101	0.958						
2019-2020		2.972	1.258	0.978							
2020-2021		2.013	0.946								
2021-2022		1.863									
2022-2023	4.447										
Average	5.326	3.336	1.604	1.146	0.995	1.060	1.061	1.043	1.002	1.063	0.985
Dollar-Wtd. Avgs	17.268	2.093	1.438	1.102	1.031	1.082	1.064	1.028	0.983	1.031	1.024
3-yr		2.284	1.271	1.030	0.982	1.010	1.046	0.995	0.945	1.040	1.010
4-yr		2.412	1.337	1.070	0.987	0.995	1.035	0.997	0.956	1.030	1.009
Industry Factors	3.781	1.824	1.317	1.101	1.025	1.018	1.015	1.012	1.010	1.007	1.004
Prior	5.000	2.200	1.550	1.120	1.075	1.060	1.050	1.040	1.030	1.020	1.010
Selected	5.000	2.200	1.550	1.120	1.075	1.060	1.050	1.040	1.030	1.020	1.010
Cumulated	25.180	5.036	2.289	1.477	1.319	1.227	1.158	1.103	1.061	1.030	1.010

ICRMA - Excess Liability - \$750K xs \$250K Analysis

Paid Loss Development

Accident Year (A)	\$250K - \$1M Paid Losses as of 12/31/23 (B)	Paid Loss Development Factor (C)	Estimated Ultimate \$250K - \$1M Losses (D)
2002-2003	3,644,981	1.022	3,725,170
2003-2004	4,835,331	1.025	4,956,215
2004-2005	8,583,882	1.028	8,824,231
2005-2006	2,803,161	1.031	2,890,058
2006-2007	6,550,047	1.034	6,772,749
2007-2008	4,261,120	1.037	4,418,781
2008-2009	4,900,700	1.040	5,096,728
2009-2010	3,739,055	1.043	3,899,834
2010-2011	7,555,358	1.046	7,902,905
2011-2012	6,796,372	1.049	7,129,394
2012-2013	10,826,506	1.059	11,465,270
2013-2014	7,681,373	1.070	8,219,069
2014-2015	7,244,829	1.102	7,983,801
2015-2016	5,308,584	1.157	6,142,031
2016-2017	9,097,750	1.273	11,581,436
2017-2018	4,468,862	1.464	6,542,414
2018-2019	6,339,419	1.757	11,138,359
2019-2020	8,277,207	2.196	18,176,747
2020-2021	4,106,851	4.392	18,037,290
2021-2022	839,850	15.372	12,910,180
2022-2023	0	153.720	0
Totals	\$117,861,238		\$167,812,662

Notes:

- (A) Years are 7/1 to 6/30.
- (B) Provided by ICRMA. These losses exclude amounts over the SIR.
- (C) From Appendix B, Page 6.
- (D) (B) x (C). These estimated losses exclude amounts over the SIR.

This method tends to understate ultimate losses for the most recent several years because the large losses for those years generally have not yet emerged at the time of our review.

This exhibit shows the calculation of estimated ultimate losses for each year based on paid losses as reported by the claims administrator. These losses tend to "develop" or change from period to period as more information becomes available about the cases. This development tends to follow quantifiable patterns over time.

ICRMA - Excess Liability - \$750K xs \$250K Analysis  
Paid Loss Development

\$250K - \$1M Losses Paid as of:

Accident Year	6 Months	18 Months	30 Months	42 Months	54 Months	66 Months	78 Months	90 Months	102 Months	114 Months	126 Months
2002-2003								5,481,000	5,484,000	5,530,000	5,597,000
2003-2004							3,915,000	3,706,000	4,535,000	4,538,000	4,538,000
2004-2005						6,340,000	4,861,000	6,461,000	6,493,000	6,495,000	6,495,000
2005-2006					808,000	904,000	904,000	904,000	904,000	803,000	974,000
2006-2007				4,665,000	5,454,000	5,453,000	5,463,000	5,464,000	5,564,000	5,303,000	5,262,000
2007-2008			431,000	2,054,000	2,776,000	2,926,000	2,967,000	2,953,000	3,008,000	2,629,000	2,873,000
2008-2009		15,000	1,428,000	3,133,000	4,043,000	4,116,000	4,392,000	4,459,000	4,327,000	4,537,000	4,900,700
2009-2010			394,000	1,752,000	2,330,000	2,371,000	3,045,000	2,919,000	2,033,000	3,739,055	3,739,055
2010-2011			791,000	791,000	2,347,000	2,704,000	3,870,000	4,263,000	7,197,473	7,303,181	7,280,978
2011-2012			1,215,000	3,120,000	3,556,000	4,542,000	3,749,000	6,795,997	6,796,372	6,786,340	6,796,372
2012-2013			885,000	1,960,000	5,207,000	6,567,000	10,829,846	10,829,846	11,576,506	10,826,506	10,826,506
2013-2014			1,565,000	3,012,000	4,451,000	6,495,713	6,863,402	6,862,652	6,890,192	6,724,196	7,681,373
2014-2015			349,000	574,000	3,879,652	4,953,570	6,504,260	7,244,829	7,244,829	7,244,829	
2015-2016		65,000	130,000	3,803,869	4,493,052	4,595,464	4,632,744	5,251,224	5,308,584		
2016-2017		288,000	2,040,358	3,382,569	5,249,237	7,022,230	8,504,826	9,097,750			
2017-2018			100,000	1,038,228	3,410,924	4,242,169	4,468,862				
2018-2019			373,292	1,337,554	3,077,795	6,339,419					
2019-2020		750,000	1,658,914	4,711,300	8,277,207						
2020-2021			464,432	4,106,851							
2021-2022			839,850								
2022-2023											
2023-2024											

Paid Loss Development Factors:

	6-18 Months	18-30 Months	30-42 Months	42-54 Months	54-66 Months	66-78 Months	78-90 Months	90-102 Months	102-114 Months	114-126 Months	126-138 Months
2002-2003								1.001	1.008	1.012	1.000
2003-2004							0.947	1.224	1.001	1.000	1.000
2004-2005						0.767	1.329	1.005	1.000	1.000	1.115
2005-2006					1.119	1.000	1.000	1.000	0.888	1.213	0.246
2006-2007				1.169	1.000	1.002	1.000	1.018	0.953	0.992	1.000
2007-2008			4.766	1.352	1.054	1.014	0.995	1.019	0.874	1.093	1.483
2008-2009		95.200	2.194	1.290	1.018	1.067	1.015	0.970	1.049	1.080	1.000
2009-2010			4.447	1.330	1.018	1.284	0.959	0.696	1.839	1.000	0.999
2010-2011			1.000	2.967	1.152	1.431	1.102	1.688	1.015	0.997	1.038
2011-2012			2.568	1.140	1.277	0.825	1.813	1.000	0.999	1.001	1.000
2012-2013			2.215	2.657	1.261	1.649	1.000	1.069	0.935	1.000	1.000
2013-2014			1.925	1.478	1.459	1.057	1.000	1.004	0.976	1.142	
2014-2015			1.645	6.759	1.277	1.313	1.114	1.000	1.000		
2015-2016		2.000	29.261	1.181	1.023	1.008	1.134	1.011			
2016-2017		7.085	1.658	1.552	1.338	1.211	1.070				
2017-2018			10.382	3.285	1.244	1.053					
2018-2019			3.583	2.301	2.060						
2019-2020		2.212	2.840	1.757							
2020-2021			8.843								
2021-2022											
2022-2023											

	6-18 Months	18-30 Months	30-42 Months	42-54 Months	54-66 Months	66-78 Months	78-90 Months	90-102 Months	102-114 Months	114-126 Months	126-138 Months
Average		26.624	5.523	2.158	1.236	1.120	1.106	1.050	1.041	1.044	0.989
Dollar-Wtd. Avgs	n/a	8.722	2.908	1.816	1.283	1.184	1.087	1.050	1.006	1.028	1.028
3-yr			4.068	2.083	1.500	1.110	1.099	1.004	0.964	1.040	1.011
4-yr			4.311	1.912	1.368	1.158	1.074	1.028	0.972	1.030	1.009
Industry											
Factors	38.518	4.822	2.298	1.501	1.215	1.105	1.049	1.030	1.025	1.018	1.011
Prior	25.000	10.000	3.500	2.000	1.250	1.200	1.150	1.100	1.050	1.030	1.010
Selected	25.000	10.000	3.500	2.000	1.250	1.200	1.150	1.100	1.050	1.030	1.010
Cumulated	3,843.000	153.720	15.372	4.392	2.196	1.757	1.464	1.273	1.157	1.102	1.070

ICRMA - Excess Liability - \$750K xs \$250K Analysis

Exposure and Development Method  
Based on Reported Losses

Accident Year	Trended Payroll (\$00) (A)	Reported Losses as of 12/31/23 (B)	Reported Loss Development Factor (C)	Percentage of Losses Yet to Be Reported (D)	\$250K - \$1M Loss Rate (E)	Incurred but not Reported (IBNR) (F)	Ultimate \$250K - \$1M Losses (G)
2002-2003	9,631,178	3,644,981	1.000	0.000	0.430	0	3,644,981
2003-2004	10,329,898	4,835,331	1.000	0.000	0.534	0	4,835,331
2004-2005	10,279,237	8,583,882	1.000	0.000	0.960	0	8,583,882
2005-2006	10,022,762	2,803,161	1.000	0.000	0.324	0	2,803,161
2006-2007	9,300,113	6,550,047	1.000	0.000	0.820	0	6,550,047
2007-2008	8,683,369	4,261,120	1.000	0.000	0.576	0	4,261,120
2008-2009	8,482,641	4,900,700	1.000	0.000	0.683	0	4,900,700
2009-2010	8,826,909	3,739,055	1.000	0.000	0.505	0	3,739,055
2010-2011	8,312,545	7,555,358	1.000	0.000	1.091	0	7,555,358
2011-2012	7,666,244	6,796,372	1.000	0.000	1.073	0	6,796,372
2012-2013	7,239,011	10,826,506	1.000	0.000	1.825	0	10,826,506
2013-2014	6,840,860	7,681,373	1.010	0.010	1.392	95,225	7,776,598
2014-2015	6,695,377	7,244,829	1.030	0.029	1.405	272,803	7,517,632
2015-2016	6,444,206	6,587,306	1.061	0.057	1.330	488,535	7,075,841
2016-2017	5,711,928	10,013,705	1.103	0.093	2.421	1,286,058	11,299,763
2017-2018	4,819,532	5,796,932	1.158	0.136	1.734	1,136,561	6,933,493
2018-2019	4,488,143	8,958,742	1.227	0.185	2.951	2,450,234	11,408,976
2019-2020	5,493,028	12,158,233	1.319	0.242	3.124	4,152,773	16,311,006
2020-2021	5,324,967	9,389,806	1.477	0.323	3.308	5,689,642	15,079,448
2021-2022	5,436,195	4,222,575	2.289	0.563	3.502	10,718,143	14,940,718
2022-2023	5,392,469	2,801,765	5.036	0.801	3.709	16,020,535	18,822,300
Totals	\$155,420,612	\$139,351,777				\$42,310,509	\$181,662,286

Notes:

- (A) From Appendix B, Page 23, Column (C).
- (B) Provided by ICRMA. These losses exclude amounts incurred above the ICRMA's SIR for each year.
- (C) From Appendix B, Page 3, Column (C).
- (D)  $1 - 1/(C)$ .
- (E) From Appendix B, Page 9, Column (H).
- (F)  $(A) \times (D) \times (E)$ .
- (G)  $(B) + (F)$ .

This exhibit shows the calculation of ultimate losses based on the assumption that there is an underlying relationship between losses and payroll that changes in regular ways over time. The method relies on the premise that the losses that are currently unreported will cost what this relationship would suggest.

ICRMA - Excess Liability - \$750K xs \$250K Analysis

Exposure and Development Method  
Based on Paid Losses

Accident Year	Trended Payroll (\$00) (A)	Paid Losses as of 12/31/23 (B)	Paid Loss Development Factor (C)	Percentage of Losses Yet to Be Paid (D)	\$250K - \$1M Loss Rate (E)	Incurred but not Paid (F)	Ultimate \$250K - \$1M Losses (G)
2002-2003	9,631,178	3,644,981	1.022	0.022	0.430	91,111	3,736,092
2003-2004	10,329,898	4,835,331	1.025	0.024	0.534	132,388	4,967,719
2004-2005	10,279,237	8,583,882	1.028	0.027	0.960	266,438	8,850,320
2005-2006	10,022,762	2,803,161	1.031	0.030	0.324	97,421	2,900,582
2006-2007	9,300,113	6,550,047	1.034	0.033	0.820	251,661	6,801,708
2007-2008	8,683,369	4,261,120	1.037	0.036	0.576	180,058	4,441,178
2008-2009	8,482,641	4,900,700	1.040	0.038	0.683	220,158	5,120,858
2009-2010	8,826,909	3,739,055	1.043	0.041	0.505	182,761	3,921,816
2010-2011	8,312,545	7,555,358	1.046	0.044	1.091	399,035	7,954,393
2011-2012	7,666,244	6,796,372	1.049	0.047	1.073	386,616	7,182,988
2012-2013	7,239,011	10,826,506	1.059	0.056	1.825	739,827	11,566,333
2013-2014	6,840,860	7,681,373	1.070	0.065	1.392	618,961	8,300,334
2014-2015	6,695,377	7,244,829	1.102	0.093	1.405	874,851	8,119,680
2015-2016	6,444,206	5,308,584	1.157	0.136	1.330	1,165,628	6,474,212
2016-2017	5,711,928	9,097,750	1.273	0.214	2.421	2,959,316	12,057,066
2017-2018	4,819,532	4,468,862	1.464	0.317	1.734	2,649,191	7,118,053
2018-2019	4,488,143	6,339,419	1.757	0.431	2.951	5,708,384	12,047,803
2019-2020	5,493,028	8,277,207	2.196	0.545	3.124	9,352,320	17,629,527
2020-2021	5,324,967	4,106,851	4.392	0.772	3.308	13,598,773	17,705,624
2021-2022	5,436,195	839,850	15.372	0.935	3.502	17,800,114	18,639,964
2022-2023	5,392,469		153.720	0.993	3.709	19,860,663	
Totals	\$155,420,612	\$117,861,238				\$77,535,675	\$175,536,250

Notes:

- (A) From Appendix B, Page 23, Column (C).
- (B) Provided by ICRMA. These losses exclude amounts paid above the ICRMA's SIR for each year.
- (C) From Appendix B, Page 5, Column (C).
- (D)  $1 - 1/(C)$ .
- (E) From Appendix B, Page 9, Column (H).
- (F)  $(A) \times (D) \times (E)$ .
- (G)  $(B) + (F)$ .

This exhibit shows the calculation of ultimate losses based on the assumption that there is an underlying relationship between losses and payroll that changes in regular ways over time. The method relies on the premise that the losses that are currently unpaid will cost what this relationship would suggest.





ICRMA - Excess Liability - \$750K xs \$250K Analysis

Frequency and Severity Method

Accident Year	\$250K - \$1M Severity (A)	Adjusted Ultimate Claims (B)	Estimated Ultimate Losses (C)
2002-2003	295,587	14	4,138,218
2003-2004	306,818	18	5,522,724
2004-2005	897,523	11	9,872,753
2005-2006	231,731	14	3,244,234
2006-2007	331,822	23	7,631,906
2007-2008	555,481	9	4,999,329
2008-2009	251,920	23	5,794,160
2009-2010	318,167	14	4,454,338
2010-2011	647,657	14	9,067,198
2011-2012	685,365	12	8,224,380
2012-2013	550,373	24	13,208,952
2013-2014	476,441	20	9,528,820
2014-2015	427,693	22	9,409,246
2015-2016	475,867	18	8,565,606
2016-2017	575,998	24	13,823,952
2017-2018	491,665	17	8,358,305
2018-2019	793,375	23	18,247,625
2019-2020	820,471	18	14,768,478
2020-2021	848,190	20	16,963,800
2021-2022	876,498	21	18,406,458
2022-2023	906,244	20	18,124,880
Total		379	\$212,355,362

Notes:

- (A) From Appendix B, Page 11, Column (H).
- (B) From Appendix B, Page 11, Column (B).
- (C) (A) x (B).

This exhibit shows the calculation of the estimated ultimate losses for each year based on the observed average frequency and severity of claims.

ICRMA - Excess Liability - \$750K vs \$250K Analysis

Frequency and Severity Method

Accident Year	Estimated Ultimate \$250K - \$1M Losses (A)	Adjusted Ultimate Claims (B)	Estimated Ultimate \$250K - \$1M Severity (C)	Benefit Level Factor (D)	Adjusted \$250K - \$1M Severity (E)	\$250K - \$1M Severity (F)	Factor to \$250K - \$1M (G)	\$250K - \$1M Severity (H)
2002-2003	3,646,000	14	260,429	1.679	437,260	260,429	1.135	295,587
2003-2004	4,836,000	18	268,667	1.638	440,077	268,667	1.142	306,818
2004-2005	8,585,000	11	780,455	1.598	1,247,167	780,455	1.150	897,523
2005-2006	2,804,000	14	200,286	1.559	312,246	200,286	1.157	231,731
2006-2007	6,551,000	23	284,826	1.521	433,220	284,826	1.165	331,822
2007-2008	4,262,000	9	473,556	1.484	702,757	473,556	1.173	555,481
2008-2009	4,902,000	23	213,130	1.448	308,612	213,130	1.182	251,920
2009-2010	3,740,000	14	267,143	1.412	377,206	267,143	1.191	318,167
2010-2011	7,556,000	14	539,714	1.378	743,726	539,714	1.200	647,657
2011-2012	6,797,000	12	566,417	1.344	761,264	566,417	1.210	685,365
2012-2013	10,827,000	24	451,125	1.312	591,876	451,125	1.220	550,373
2013-2014	7,747,000	20	387,350	1.280	495,808	387,350	1.230	476,441
2014-2015	7,582,000	22	344,636	1.249	430,450	344,636	1.241	427,693
2015-2016	6,847,000	18	380,389	1.218	463,314	380,389	1.251	475,867
2016-2017	10,954,000	24	456,417	1.188	542,223	456,417	1.262	575,998
2017-2018	6,571,000	17	386,529	1.160	448,374	386,529	1.272	491,665
2018-2019	10,652,000	23	463,130	1.132	524,263	463,130	1.283	593,375
2019-2020	15,370,000	18	853,889	1.104	942,693	853,889	1.294	1,105,471
2020-2021	13,629,000	20	681,450	1.077	733,922	681,450	1.305	891,190
2021-2022	12,618,000	21	600,857	1.051	631,501	600,857	1.316	796,498
2022-2023	13,230,000	20	661,500	1.025	678,038	661,500	1.327	878,244

Average \$250K - \$1M Severity: \$583,143  
14/15-21/22: 589,593  
15/16-22/23: 620,541

Selected \$250K - \$1M Severity: \$700,000  
Prior Selected \$250K - \$1M Severity: \$680,000

Notes:

- (A) Selected average of results from Appendix B, Pages 3, 5, 7 and 8.
- (B) Appendix B, Page 12, Column (C).
- (C) (A) / (B).
- (D) From Appendix B, Page 17, Column (J).
- (E) (C) x (D).
- (F) Selected Limited Severity / (D).
- (G) Based on a Burr distribution, a mathematical model of claim sizes.
- (H) (F) x (G).

This exhibit shows the calculation of the historical average cost per claim, or severity. The observed average severity is used in the method shown on page 1 of this Appendix.

ICRMA - Excess Liability - \$750K xs \$250K Analysis

Frequency and Severity Method  
Projection of Ultimate Claims

Accident Year	Reported Claim Development (A)	Closed Claim Development (B)	Selected Ultimate Claims (C)	Trended Payroll (\$000,000) (D)	Claim Frequency (E)	Trend Factor (F)	Trended Claim Frequency (G)
2002-2003	14	14	14	963	0.015	1.679	0.025
2003-2004	18	18	18	1,033	0.017	1.638	0.028
2004-2005	11	11	11	1,028	0.011	1.598	0.018
2005-2006	14	14	14	1,002	0.014	1.559	0.022
2006-2007	23	23	23	930	0.025	1.521	0.038
2007-2008	9	9	9	868	0.010	1.484	0.015
2008-2009	23	23	23	848	0.027	1.448	0.039
2009-2010	14	14	14	883	0.016	1.412	0.023
2010-2011	14	14	14	831	0.017	1.378	0.023
2011-2012	12	12	12	767	0.016	1.344	0.022
2012-2013	24	24	24	724	0.033	1.312	0.043
2013-2014	20	20	20	684	0.029	1.280	0.037
2014-2015	22	22	22	670	0.033	1.249	0.041
2015-2016	18	16	18	644	0.028	1.218	0.034
2016-2017	24	23	24	571	0.042	1.188	0.050
2017-2018	17	13	17	482	0.035	1.160	0.041
2018-2019	23	9	23	449	0.051	1.132	0.058
2019-2020	18	6	18	549	0.033	1.104	0.036
2020-2021	20	2	20	532	0.038	1.077	0.041
2021-2022	26	1	21	544	0.039	1.051	0.041
2022-2023	15	0	20	539	0.037	1.025	0.038
Total	379	288	379	15,542.061			0.032
17/18-21/22	104	31	99	2,556			0.043

(H) Selected 2023-2024 Frequency: 0.040  
Prior: 0.040

Program Year:	2023-2024	2024-2025
(I) Trend Factor:	1.000	1.025
(J) Selected Frequency:	0.040	0.041
(K) Estimated Payroll (\$000,000)	\$567	\$584
(L) Ultimate Claims:	23	24

Notes:

- |  |  |
|--|--|
| (A) From Appendix B, Page 13, (C).                   | (G) (E) x (F).                                       |
| (B) From Appendix B, Page 14, (C).                   | (H) The selected frequency of 0.040 is based on (G). |
| (C) Selected from (A) and (B).                       | (I) From Appendix B, Page 17.                        |
| (D) From Appendix B, Page 23, (C) divided by 10,000. | (J) (H) x (I).                                       |
| (E) (C) / (D).                                       | (K) From Appendix B, Page 23, (C) divided by 10,000. |
| (F) From Appendix B, Page 17.                        | (L) (J) x (K).                                       |

This exhibit summarizes the estimated numbers of claims and shows the estimated frequencies per \$1,000,000 of trended payroll.

ICRMA - Excess Liability - \$750K xs \$250K Analysis

Frequency and Severity Method  
Reported Claim Count Development

Accident Year	Claims Reported as of 12/31/2023 (A)	Reported Claim Development Factor (B)	Ultimate Claims (C)	Trended Claim Frequency (D)
2002-2003	14	1.000	14	0.024
2003-2004	18	1.000	18	0.029
2004-2005	11	1.000	11	0.017
2005-2006	14	1.000	14	0.022
2006-2007	23	1.000	23	0.038
2007-2008	9	1.000	9	0.015
2008-2009	23	1.000	23	0.039
2009-2010	14	1.000	14	0.022
2010-2011	14	1.000	14	0.023
2011-2012	12	1.000	12	0.021
2012-2013	24	1.000	24	0.043
2013-2014	20	1.000	20	0.037
2014-2015	22	1.001	22	0.041
2015-2016	18	1.002	18	0.034
2016-2017	24	1.003	24	0.050
2017-2018	17	1.004	17	0.041
2018-2019	23	1.005	23	0.058
2019-2020	18	1.007	18	0.036
2020-2021	20	1.010	20	0.040
2021-2022	26	1.015	26	0.050
2022-2023	14	1.045	15	0.029
Total	378		379	0.032

Notes:

- (A) Provided by ICRMA.
- (B) From Appendix B, Page 15.
- (C) (A) x (B).
- (D) (C) / [Appendix B, Page 12, (D)] x [Appendix B, Page 12, (F)].

This exhibit shows the calculation of estimated ultimate claims for each year based on reported claims as provided by ICRMA. These numbers of claims tend to "develop" or change from period to period as more claims are filed. This development tends to follow quantifiable patterns over time.

ICRMA - Excess Liability - \$750K xs \$250K Analysis

Frequency and Severity Method  
Closed Claim Count Development

Accident Year	Claims Closed as of 12/31/2023 (A)	Closed Claim Development Factor (B)	Ultimate Claims (C)	Trended Claim Frequency (D)
2002-2003	14	1.000	14	0.024
2003-2004	18	1.000	18	0.029
2004-2005	11	1.000	11	0.017
2005-2006	14	1.000	14	0.022
2006-2007	23	1.000	23	0.038
2007-2008	9	1.000	9	0.015
2008-2009	23	1.000	23	0.039
2009-2010	14	1.000	14	0.022
2010-2011	14	1.000	14	0.023
2011-2012	12	1.001	12	0.021
2012-2013	24	1.002	24	0.043
2013-2014	20	1.003	20	0.037
2014-2015	22	1.005	22	0.041
2015-2016	16	1.007	16	0.030
2016-2017	23	1.009	23	0.048
2017-2018	13	1.014	13	0.031
2018-2019	9	1.029	9	0.023
2019-2020	6	1.060	6	0.012
2020-2021	2	1.102	2	0.004
2021-2022	1	1.267	1	0.002
2022-2023	0	1.837	0	
Total	288		288	0.025

Notes:

- (A) Provided by ICRMA.
- (B) From Appendix B, Page 16.
- (C) (A) x (B).
- (D) (C) / [Appendix B, Page 12, (D)] x [Appendix B, Page 12, (F)].

This exhibit shows the calculation of estimated ultimate claims for each year based on closed claims as provided by ICRMA. These numbers of closed claims tend to "develop" or change from period to period as more claims are closed. This development tends to follow quantifiable patterns over time.

ICRMA - Excess Liability - \$750K vs \$250K Analysis  
Reported Claim Count Development

Claims Reported as of:

Accident Year	6 Months	18 Months	30 Months	42 Months	54 Months	66 Months	78 Months	90 Months	102 Months	114 Months	126 Months	138 Months	150 Months	162 Months
2002-2003														
2003-2004														
2004-2005														
2005-2006														
2006-2007														
2007-2008														
2008-2009														
2009-2010														14
2010-2011													14	14
2011-2012												12	12	
2012-2013											22	24		
2013-2014										20	20			
2014-2015									23	22				
2015-2016								18	18					
2016-2017							24	24						
2017-2018						18	17							
2018-2019					26	23								
2019-2020				18	18									
2020-2021			14	20										
2021-2022		12	26											
2022-2023		14												
2023-2024														

Reported Claim Count Development Factors:

	6-18 Months	18-30 Months	30-42 Months	42-54 Months	54-66 Months	66-78 Months	78-90 Months	90-102 Months	102-114 Months	114-126 Months	126-138 Months	138-150 Months	150-162 Months	162-174 Months
2002-2003														
2003-2004														
2004-2005														
2005-2006														
2006-2007														
2007-2008														
2008-2009														
2009-2010														1.000
2010-2011													1.000	
2011-2012												1.000		
2012-2013											1.091			
2013-2014										1.000				
2014-2015									0.957					
2015-2016								1.000						
2016-2017							1.000							
2017-2018						0.944								
2018-2019					0.885									
2019-2020				1.000										
2020-2021			1.429											
2021-2022		2.167												
2022-2023														
Average		2.167	1.429	1.000	0.885	0.944	1.000	1.000	0.957	1.000	1.091	1.000	1.000	1.000
Claim-Weighted Averages														
3-yr														
4-yr														
Industry Factors	2.659	1.141	1.013	1.008	1.005	1.004	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003
Prior	3.400	1.030	1.005	1.003	1.002	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000
Selected	3.400	1.030	1.005	1.003	1.002	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000
Cumulated	3.553	1.045	1.015	1.010	1.007	1.005	1.004	1.003	1.002	1.001	1.000	1.000	1.000	1.000

ICRMA - Excess Liability - \$750K vs \$250K Analysis  
Closed Claim Development

Accident Year	Claims Closed as of:													
	6 Months	18 Months	30 Months	42 Months	54 Months	66 Months	78 Months	90 Months	102 Months	114 Months	126 Months	138 Months	150 Months	162 Months
2002-2003														
2003-2004														
2004-2005														
2005-2006														
2006-2007														
2007-2008														
2008-2009														
2009-2010														14
2010-2011													14	14
2011-2012												12	12	
2012-2013											21	24		
2013-2014										20	20			
2014-2015									23	22				
2015-2016								17	16					
2016-2017							22	23						
2017-2018						12	13							
2018-2019					7	9								
2019-2020				3	6									
2020-2021			1	2										
2021-2022			1											
2022-2023														
2023-2024														

Closed Claim Count Development Factors:

	6-18 Months	18-30 Months	30-42 Months	42-54 Months	54-66 Months	66-78 Months	78-90 Months	90-102 Months	102-114 Months	114-126 Months	126-138 Months	138-150 Months	150-162 Months	162-174 Months
2002-2003														
2003-2004														
2004-2005														
2005-2006														
2006-2007														
2007-2008														
2008-2009														
2009-2010														1.000
2010-2011													1.000	
2011-2012												1.000		
2012-2013											1.143			
2013-2014										1.000				
2014-2015									0.957					
2015-2016								0.941						
2016-2017							1.045							
2017-2018						1.083								
2018-2019					1.286									
2019-2020				2.000										
2020-2021			2.000											
2021-2022														
2022-2023														
Average			2.000	2.000	1.286	1.083	1.045	0.941	0.957	1.000	1.143	1.000	1.000	1.000
Claim-Weighted Averages														
3-yr														
4-yr														
Industry Factors	3.699	1.523	1.094	1.036	1.017	1.008	1.007	1.006	1.005	1.005	1.005	1.005	1.005	1.005
Prior	13.000	1.420	1.100	1.030	1.020	1.010	1.005	1.002	1.002	1.002	1.001	1.001	1.001	1.000
Selected	13.000	1.450	1.150	1.040	1.030	1.015	1.005	1.002	1.002	1.002	1.001	1.001	1.001	1.000
Cumulated	23.881	1.837	1.267	1.102	1.060	1.029	1.014	1.009	1.007	1.005	1.003	1.002	1.001	1.000



ICRMA - Excess Liability - \$750K xs \$250K Analysis

Loss Trend Factors

Accident Year	Benefit Level Factor (A)	Factor to 2023-2024 Loss Rate Level (B)	Factor to 2024-2025 Loss Rate Level (C)	Factor to 2025-2026 Loss Rate Level (D)	Factor to 2026-2027 Loss Rate Level (E)	Factor to 2023-2024 Frequency Level (F)	Factor to 2024-2025 Frequency Level (G)	Factor to 2025-2026 Frequency Level (H)	Factor to 2026-2027 Frequency Level (I)	Factor to 2023-2024 Severity Level (J)
2002-2003	1.000	2.787	2.926	3.073	3.227	1.679	1.720	1.764	1.808	1.679
2003-2004	1.000	2.654	2.786	2.927	3.073	1.638	1.678	1.721	1.764	1.638
2004-2005	1.000	2.528	2.654	2.788	2.927	1.598	1.637	1.679	1.721	1.598
2005-2006	1.000	2.408	2.528	2.655	2.788	1.559	1.598	1.638	1.679	1.559
2006-2007	1.000	2.293	2.407	2.529	2.655	1.521	1.559	1.598	1.638	1.521
2007-2008	1.000	2.184	2.293	2.409	2.529	1.484	1.520	1.559	1.598	1.484
2008-2009	1.000	2.080	2.184	2.294	2.409	1.448	1.483	1.521	1.559	1.448
2009-2010	1.000	1.981	2.080	2.185	2.294	1.412	1.447	1.484	1.521	1.412
2010-2011	1.000	1.887	1.981	2.081	2.185	1.378	1.412	1.448	1.484	1.378
2011-2012	1.000	1.797	1.887	1.982	2.081	1.344	1.378	1.413	1.448	1.344
2012-2013	1.000	1.712	1.797	1.888	1.982	1.312	1.344	1.379	1.413	1.312
2013-2014	1.000	1.630	1.712	1.798	1.888	1.280	1.312	1.345	1.379	1.280
2014-2015	1.000	1.553	1.630	1.712	1.798	1.249	1.280	1.312	1.345	1.249
2015-2016	1.000	1.478	1.552	1.630	1.712	1.218	1.248	1.280	1.312	1.218
2016-2017	1.000	1.408	1.478	1.552	1.630	1.188	1.218	1.249	1.280	1.188
2017-2018	1.000	1.340	1.407	1.478	1.552	1.160	1.188	1.219	1.249	1.160
2018-2019	1.000	1.276	1.340	1.408	1.478	1.132	1.160	1.189	1.219	1.132
2019-2020	1.000	1.216	1.277	1.341	1.408	1.104	1.131	1.160	1.189	1.104
2020-2021	1.000	1.158	1.216	1.277	1.341	1.077	1.104	1.132	1.160	1.077
2021-2022	1.000	1.103	1.158	1.216	1.277	1.051	1.077	1.104	1.132	1.051
2022-2023	1.000	1.050	1.102	1.158	1.216	1.025	1.050	1.077	1.104	1.025
2023-2024	1.000	1.000	1.050	1.103	1.158	1.000	1.025	1.051	1.077	1.000
2024-2025	1.000	--	1.000	1.050	1.103	--	1.000	1.025	1.051	--
2025-2026	1.000	--	--	1.000	1.050	--	--	1.000	1.025	--
2026-2027	1.000	--	--	--	1.000	--	--	--	1.000	--

Notes:

- (A) No benefit level adjustment applied.
- (B) - (E) (A) adjusted for a 5.0% annual loss rate trend.
- (F) - (I) (A) adjusted for a 2.5% annual frequency trend.
- (J) (A) adjusted for a 2.5% annual severity trend.

This exhibit shows the calculation of the ways in which we expect claims costs to have changed over the past twenty years due to changes in statutory workers' compensation benefit levels and changes in actual claims costs in excess of changes in payroll. Changes in the ways in which claims are filed as a result of greater awareness of workers' compensation benefits are not generally reflected in the statutory benefit level factors shown above, but may be part of the reason for changes in actual claims costs in excess of payroll changes.

ICRMA - Excess Liability - \$750K xs \$250K Analysis

Loss Rate Trend

Accident Year	Trended Payroll (A)	Preliminary Ultimate Loss (B)	Benefit Level Factor (C)	Untrended Loss Rate (D)	Trended Loss Rate (E)
2002-2003	9,631,178	3,646,000	1.000	0.379	0.379
2003-2004	10,329,898	4,836,000	1.000	0.468	1.242
2004-2005	10,279,237	8,585,000	1.000	0.835	2.110
2005-2006	10,022,762	2,804,000	1.000	0.280	0.673
2006-2007	9,300,113	6,551,000	1.000	0.704	1.614
2007-2008	8,683,369	4,262,000	1.000	0.491	1.071
2008-2009	8,482,641	4,902,000	1.000	0.578	1.201
2009-2010	8,826,909	3,740,000	1.000	0.424	0.839
2010-2011	8,312,545	7,556,000	1.000	0.909	1.714
2011-2012	7,666,244	6,797,000	1.000	0.887	1.592
2012-2013	7,239,011	10,827,000	1.000	1.496	2.558
2013-2014	6,840,860	7,747,000	1.000	1.132	1.845
2014-2015	6,695,377	7,582,000	1.000	1.132	1.757
2015-2016	6,444,206	6,847,000	1.000	1.063	1.570
2016-2017	5,711,928	10,954,000	1.000	1.918	2.698
2017-2018	4,819,532	6,571,000	1.000	1.363	1.827
2018-2019	4,488,143	10,475,000	1.000	2.334	2.979
2019-2020	5,493,028	15,549,000	1.000	2.831	3.441
2020-2021	5,324,967	13,119,000	1.000	2.464	2.852
2021-2022	5,436,195	10,635,000	1.000	1.956	2.157
2022-2023	5,392,469	11,840,000	1.000	2.196	2.305

	R-Squared	Fitted Trend
Total Fits: Total	0.704	1.090
Total ex-22/23	0.705	1.098
10-Yr Fits: 11/12-20/21	0.705	1.118
12/13-21/22	0.553	1.092
5-Yr Fits: 14/15-18/19	0.622	1.185
15/16-19/20	0.736	1.241
4-Yr Fits: 19/20-22/23	0.657	0.905

Selected Trend: 1.050  
Prior Selected Trend: 1.050

ICRMA - Excess Liability - \$750K xs \$250K Analysis

Incurred Losses as of 12/31/23

Accident Year (A)	Unlimited Incurred (B)	Additions to Losses (C)	Subtractions from Losses (D)	Adjusted Incurred (E)	Incurred Over SIR (F)	Incurred Over \$250,000 (G)	Incurred Capped at \$250,000 (H)	Incurred \$250,000 to SIR Layer (I)	Incurred Capped at SIR (J)	Incurred Capped at SIR & Aggregate (K)
2002-2003	\$3,644,981	\$0	\$0	\$3,644,981	\$0	\$0	\$3,644,981	\$0	\$3,644,981	\$3,644,981
2003-2004	4,835,331	0	0	4,835,331	0	0	4,835,331	0	4,835,331	4,835,331
2004-2005	8,583,882	0	0	8,583,882	0	0	8,583,882	0	8,583,882	8,583,882
2005-2006	2,803,161	0	0	2,803,161	0	0	2,803,161	0	2,803,161	2,803,161
2006-2007	6,550,047	0	0	6,550,047	0	0	6,550,047	0	6,550,047	6,550,047
2007-2008	4,261,120	0	0	4,261,120	0	0	4,261,120	0	4,261,120	4,261,120
2008-2009	4,900,700	0	0	4,900,700	0	0	4,900,700	0	4,900,700	4,900,700
2009-2010	3,739,055	0	0	3,739,055	0	0	3,739,055	0	3,739,055	3,739,055
2010-2011	7,555,358	0	0	7,555,358	0	0	7,555,358	0	7,555,358	7,555,358
2011-2012	6,796,372	0	0	6,796,372	0	0	6,796,372	0	6,796,372	6,796,372
2012-2013	10,826,506	0	0	10,826,506	0	0	10,826,506	0	10,826,506	10,826,506
2013-2014	7,681,373	0	0	7,681,373	0	0	7,681,373	0	7,681,373	7,681,373
2014-2015	7,244,829	0	0	7,244,829	0	0	7,244,829	0	7,244,829	7,244,829
2015-2016	6,587,306	0	0	6,587,306	0	0	6,587,306	0	6,587,306	6,587,306
2016-2017	10,013,705	0	0	10,013,705	0	0	10,013,705	0	10,013,705	10,013,705
2017-2018	5,796,932	0	0	5,796,932	0	0	5,796,932	0	5,796,932	5,796,932
2018-2019	8,958,742	0	0	8,958,742	0	0	8,958,742	0	8,958,742	8,958,742
2019-2020	12,158,233	0	0	12,158,233	0	0	12,158,233	0	12,158,233	12,158,233
2020-2021	9,389,806	0	0	9,389,806	0	0	9,389,806	0	9,389,806	9,389,806
2021-2022	4,222,575	0	0	4,222,575	0	0	4,222,575	0	4,222,575	4,222,575
2022-2023	2,801,765	0	0	2,801,765	0	0	2,801,765	0	2,801,765	2,801,765
2023-2024	0	0	0	0	0	0	0	0	0	0
Total	\$139,351,777	\$0	\$0	\$139,351,777	\$0	\$0	\$139,351,777	\$0	\$139,351,777	\$139,351,777

Notes:

- (A) Years are 7/1 to 6/30.
- (B) Losses between \$250,000 and \$1,000,000.
- (C)
- (D)
- (E) (B) + (C) - (D).
- (F) Sum of incurred losses in excess of SIR.
- (G) Sum of incurred losses in excess of \$250,000.
- (H) (E) - (G).
- (I) (G) - (F).
- (J) (E) - (F).
- (K) Minimum of (J) and the aggregate stop loss.

ICRMA - Excess Liability - \$750K xs \$250K Analysis

Paid Losses as of 12/31/23

Accident Year (A)	Unlimited Paid (B)	Additions to Losses (C)	Subtractions from Losses (D)	Adjusted Paid (E)	Paid Over SIR (F)	Paid Over \$250,000 (G)	Paid Capped at \$250,000 (H)	Paid \$100,000 to SIR Layer (I)	Paid Capped at SIR (J)	Paid Capped at SIR & Aggregate (K)
2002-2003	\$3,644,981	\$0	\$0	\$3,644,981	\$0	\$0	\$3,644,981	\$0	\$3,644,981	\$3,644,981
2003-2004	4,835,331	0	0	4,835,331	0	0	4,835,331	0	4,835,331	4,835,331
2004-2005	8,583,882	0	0	8,583,882	0	0	8,583,882	0	8,583,882	8,583,882
2005-2006	2,803,161	0	0	2,803,161	0	0	2,803,161	0	2,803,161	2,803,161
2006-2007	6,550,047	0	0	6,550,047	0	0	6,550,047	0	6,550,047	6,550,047
2007-2008	4,261,120	0	0	4,261,120	0	0	4,261,120	0	4,261,120	4,261,120
2008-2009	4,900,700	0	0	4,900,700	0	0	4,900,700	0	4,900,700	4,900,700
2009-2010	3,739,055	0	0	3,739,055	0	0	3,739,055	0	3,739,055	3,739,055
2010-2011	7,555,358	0	0	7,555,358	0	0	7,555,358	0	7,555,358	7,555,358
2011-2012	6,796,372	0	0	6,796,372	0	0	6,796,372	0	6,796,372	6,796,372
2012-2013	10,826,506	0	0	10,826,506	0	0	10,826,506	0	10,826,506	10,826,506
2013-2014	7,681,373	0	0	7,681,373	0	0	7,681,373	0	7,681,373	7,681,373
2014-2015	7,244,829	0	0	7,244,829	0	0	7,244,829	0	7,244,829	7,244,829
2015-2016	5,308,584	0	0	5,308,584	0	0	5,308,584	0	5,308,584	5,308,584
2016-2017	9,097,750	0	0	9,097,750	0	0	9,097,750	0	9,097,750	9,097,750
2017-2018	4,468,862	0	0	4,468,862	0	0	4,468,862	0	4,468,862	4,468,862
2018-2019	6,339,419	0	0	6,339,419	0	0	6,339,419	0	6,339,419	6,339,419
2019-2020	8,277,207	0	0	8,277,207	0	0	8,277,207	0	8,277,207	8,277,207
2020-2021	4,106,851	0	0	4,106,851	0	0	4,106,851	0	4,106,851	4,106,851
2021-2022	839,850	0	0	839,850	0	0	839,850	0	839,850	839,850
2022-2023	0	0	0	0	0	0	0	0	0	0
2023-2024	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>\$117,861,238</b>	<b>\$0</b>	<b>\$0</b>	<b>\$117,861,238</b>	<b>\$0</b>	<b>\$0</b>	<b>\$117,861,238</b>	<b>\$0</b>	<b>\$117,861,238</b>	<b>\$117,861,238</b>

Notes:

- (A) Years are 7/1 to 6/30.
- (B) Losses between \$250,000 and \$1,000,000.
- (C)
- (D)
- (E) (B) + (C) - (D).
- (F) Sum of paid losses in excess of SIR.
- (G) Sum of paid losses in excess of \$250,000.
- (H) (E) - (G).
- (I) (G) - (F).
- (J) (E) - (F).
- (K) Minimum of (J) and the aggregate stop loss.

ICRMA - Excess Liability - \$750K xs \$250K Analysis

Case Reserves as of 12/31/23

Accident Year (A)	Unlimited Reserves (B)	Additions to Losses (C)	Subtractions from Losses (D)	Adjusted Reserves (E)	Reserves Over SIR (F)	Reserves Over \$250,000 (G)	Reserves Capped at \$250,000 (H)	Reserves \$250,000 to SIR Layer (I)	Reserves Capped at SIR (J)	Reserves Capped at SIR & Aggregate (K)
2002-2003	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2003-2004	0	0	0	0	0	0	0	0	0	0
2004-2005	0	0	0	0	0	0	0	0	0	0
2005-2006	0	0	0	0	0	0	0	0	0	0
2006-2007	0	0	0	0	0	0	0	0	0	0
2007-2008	0	0	0	0	0	0	0	0	0	0
2008-2009	0	0	0	0	0	0	0	0	0	0
2009-2010	0	0	0	0	0	0	0	0	0	0
2010-2011	0	0	0	0	0	0	0	0	0	0
2011-2012	0	0	0	0	0	0	0	0	0	0
2012-2013	0	0	0	0	0	0	0	0	0	0
2013-2014	0	0	0	0	0	0	0	0	0	0
2014-2015	0	0	0	0	0	0	0	0	0	0
2015-2016	1,278,723	0	0	1,278,723	0	0	1,278,723	0	1,278,723	1,278,723
2016-2017	915,954	0	0	915,954	0	0	915,954	0	915,954	915,954
2017-2018	1,328,070	0	0	1,328,070	0	0	1,328,070	0	1,328,070	1,328,070
2018-2019	2,619,322	0	0	2,619,322	0	0	2,619,322	0	2,619,322	2,619,322
2019-2020	3,881,025	0	0	3,881,025	0	0	3,881,025	0	3,881,025	3,881,025
2020-2021	5,282,954	0	0	5,282,954	0	0	5,282,954	0	5,282,954	5,282,954
2021-2022	3,382,725	0	0	3,382,725	0	0	3,382,725	0	3,382,725	3,382,725
2022-2023	2,801,765	0	0	2,801,765	0	0	2,801,765	0	2,801,765	2,801,765
2023-2024	0	0	0	0	0	0	0	0	0	0
Total	\$21,490,539	\$0	\$0	\$21,490,539	\$0	\$0	\$21,490,539	\$0	\$21,490,539	\$21,490,539

Notes:

- (A) Years are 7/1 to 6/30.
- (B) Appendix B, Page 19, Column (B) - Appendix B, Page 20, Column (B).
- (C) Appendix B, Page 19, Column (C) - Appendix B, Page 20, Column (C).
- (D) Appendix B, Page 19, Column (D) - Appendix B, Page 20, Column (D).
- (E) (B) + (C) - (D).
- (F) Sum of case reserves in excess of SIR.
- (G) Sum of case reserves in excess of \$250,000.
- (H) (E) - (G).
- (I) (G) - (F).
- (J) (E) - (F).
- (K) Minimum of (J) and the aggregate stop loss.

ICRMA - Excess Liability - \$750K xs \$250K Analysis

Claim Count Data as of 12/31/23

Accident Year (A)	Reported Claims (B)	Additions to Reported Claims (C)	Subtractions from Reported Claims (D)	Adjusted Reported Claims (E)	Closed Claims (F)	Additions to Closed Claims (G)	Subtractions from Closed Claims (H)	Adjusted Closed Claims (I)	Open Claims (J)	Adjusted Open Claims (K)
2002-2003	14	0	0	14	14	0	0	14	0	0
2003-2004	18	0	0	18	18	0	0	18	0	0
2004-2005	11	0	0	11	11	0	0	11	0	0
2005-2006	14	0	0	14	14	0	0	14	0	0
2006-2007	23	0	0	23	23	0	0	23	0	0
2007-2008	9	0	0	9	9	0	0	9	0	0
2008-2009	23	0	0	23	23	0	0	23	0	0
2009-2010	14	0	0	14	14	0	0	14	0	0
2010-2011	14	0	0	14	14	0	0	14	0	0
2011-2012	12	0	0	12	12	0	0	12	0	0
2012-2013	24	0	0	24	24	0	0	24	0	0
2013-2014	20	0	0	20	20	0	0	20	0	0
2014-2015	22	0	0	22	22	0	0	22	0	0
2015-2016	18	0	0	18	16	0	0	16	2	2
2016-2017	24	0	0	24	23	0	0	23	1	1
2017-2018	17	0	0	17	13	0	0	13	4	4
2018-2019	23	0	0	23	9	0	0	9	14	14
2019-2020	18	0	0	18	6	0	0	6	12	12
2020-2021	20	0	0	20	2	0	0	2	18	18
2021-2022	26	0	0	26	1	0	0	1	25	25
2022-2023	14	0	0	14	0	0	0	0	14	14
2023-2024	0	0	0	0	0	0	0	0	0	0
Total	378	0	0	378	288	0	0	288	90	90

Notes:

- (A) Years are 7/1 to 6/30.
- (B) Provided by ICRMA.
- (C)
- (D)
- (E) (B) + (C) - (D).
- (F) Provided by ICRMA.
- (G)
- (H)
- (I) (F) + (G) - (H).
- (J) (B) - (F).
- (K) (E) - (I).

ICRMA - Excess Liability - \$750K xs \$250K Analysis

Exposure Measures

Accident Year	Total Payroll (\$00) (A)	Inflation Trend Factor (B)	Trended Payroll (\$00) (C)
2002-2003	5,736,258	1.679	9,631,178
2003-2004	6,306,409	1.638	10,329,898
2004-2005	6,432,564	1.598	10,279,237
2005-2006	6,428,968	1.559	10,022,762
2006-2007	6,114,473	1.521	9,300,113
2007-2008	5,851,327	1.484	8,683,369
2008-2009	5,858,178	1.448	8,482,641
2009-2010	6,246,928	1.413	8,826,909
2010-2011	6,027,951	1.379	8,312,545
2011-2012	5,699,810	1.345	7,666,244
2012-2013	5,517,539	1.312	7,239,011
2013-2014	5,344,422	1.280	6,840,860
2014-2015	5,360,590	1.249	6,695,377
2015-2016	5,286,469	1.219	6,444,206
2016-2017	4,803,976	1.189	5,711,928
2017-2018	4,154,769	1.160	4,819,532
2018-2019	3,964,790	1.132	4,488,143
2019-2020	4,975,569	1.104	5,493,028
2020-2021	4,944,259	1.077	5,324,967
2021-2022	5,172,403	1.051	5,436,195
2022-2023	5,260,946	1.025	5,392,469
2023-2024	5,668,321	1.000	5,668,321
2024-2025	5,838,370	1.000	5,838,370

Notes:

- (A) Provided by ICRMA.
- (B) Based on industry factors.
- (C) (A) x (B).

ICRMA - Excess Liability

Outstanding Liability for  
Unallocated Loss Adjustment Expenses  
as of 6/30/23

Fiscal Year (A)	Number of Claims Active During Fiscal Year (B)	Average ULAE Charge per Active Claim (C)	Inflation Trend Factor (D)	Trended ULAE Charge per Active Claim (E)	ULAE Paid During Year (F)
2023-2024	73.0	\$4,060	1.000	\$4,060	\$296,380
2024-2025	56.0	4,060	1.050	4,263	238,728
2025-2026	42.0	4,060	1.103	4,478	188,076
2026-2027	31.6	4,060	1.158	4,701	148,552
2027-2028	23.8	4,060	1.216	4,937	117,501
2028-2029	18.1	4,060	1.277	5,185	93,849
2029-2030	13.6	4,060	1.341	5,444	74,038
2030-2031	10.3	4,060	1.408	5,716	58,875
2031-2032	7.8	4,060	1.478	6,001	46,808
2032-2033	6.1	4,060	1.552	6,301	38,436
2033-2034	4.5	4,060	1.630	6,618	29,781
2034-2035	3.6	4,060	1.712	6,951	25,024
2035-2036	2.8	4,060	1.798	7,300	20,440
2036-2037	2.1	4,060	1.888	7,665	16,097
2037-2038	1.5	4,060	1.982	8,047	12,071
2038-2039	0.9	4,060	2.081	8,449	7,604
2039-2040	0.6	4,060	2.185	8,871	5,323
2040-2041	0.4	4,060	2.294	9,314	3,726

(G) Total ULAE Outstanding as of 6/30/23: \$1,421,309

(H) Total ULAE Outstanding as of 12/31/23: \$1,410,685

Notes:

- (A) We assume fiscal years will be 7/1 to 6/30.
- (B) Based on an estimated claim closing pattern.
- (C) Based on claims administration payment information provided by ICRMA.
- (D) We assume ULAE costs will increase at 5.0% per year.
- (E) (C) x (D).
- (F) (B) x (E).
- (G) Total of Column (F).
- (H) (G) from this page and the next, interpolated to 12/31/23.

This exhibit shows the calculation of the outstanding ULAE based on the expected pattern of claims closings and assumptions about future claims administration costs per open claim.



ICRMA - Excess Liability

Outstanding Liability for  
Unallocated Loss Adjustment Expenses  
as of 6/30/24

Fiscal Year (A)	Number of Claims Active During Fiscal Year (B)	Average ULAE Charge per Active Claim (C)	Inflation Trend Factor (D)	Trended ULAE Charge per Active Claim (E)	ULAE Paid During Year (F)
2024-2025	68.5	\$4,060	1.050	\$4,263	\$292,016
2025-2026	52.4	4,060	1.103	4,478	234,647
2026-2027	39.4	4,060	1.158	4,701	185,219
2027-2028	29.7	4,060	1.216	4,937	146,629
2028-2029	22.5	4,060	1.277	5,185	116,663
2029-2030	16.9	4,060	1.341	5,444	92,004
2030-2031	12.8	4,060	1.408	5,716	73,165
2031-2032	9.7	4,060	1.478	6,001	58,210
2032-2033	7.5	4,060	1.552	6,301	47,258
2033-2034	5.6	4,060	1.630	6,618	37,061
2034-2035	4.4	4,060	1.712	6,951	30,584
2035-2036	3.4	4,060	1.798	7,300	24,820
2036-2037	2.6	4,060	1.888	7,665	19,929
2037-2038	1.9	4,060	1.982	8,047	15,289
2038-2039	1.2	4,060	2.081	8,449	10,139
2039-2040	0.8	4,060	2.185	8,871	7,097
2040-2041	0.6	4,060	2.294	9,314	5,588
2041-2042	0.4	4,060	2.409	9,781	3,912

(G) Total ULAE Outstanding as of 6/30/24: \$1,400,230

Notes:

- (A) We assume fiscal years will be 7/1 to 6/30.
- (B) Based on an estimated claim closing pattern.
- (C) Based on claims administration payment information provided by ICRMA.
- (D) We assume ULAE costs will increase at 5.0% per year.
- (E) (C) x (D).
- (F) (B) x (E).
- (G) Total of Column (F).

This exhibit shows the calculation of the outstanding ULAE based on the expected pattern of claims closings and assumptions about future claims administration costs per open claim.

ICRMA - Excess Liability

Outstanding Liability for  
Unallocated Loss Adjustment Expenses  
as of 6/30/25

Fiscal Year (A)	Number of Claims Active During Fiscal Year (B)	Average ULAE Charge per Active Claim (C)	Inflation Trend Factor (D)	Trended ULAE Charge per Active Claim (E)	ULAE Paid During Year (F)
2025-2026	66.7	\$4,060	1.103	\$4,478	\$298,683
2026-2027	51.1	4,060	1.158	4,701	240,221
2027-2028	38.5	4,060	1.216	4,937	190,075
2028-2029	29.1	4,060	1.277	5,185	150,884
2029-2030	21.9	4,060	1.341	5,444	119,224
2030-2031	16.6	4,060	1.408	5,716	94,886
2031-2032	12.6	4,060	1.478	6,001	75,613
2032-2033	9.7	4,060	1.552	6,301	61,120
2033-2034	7.3	4,060	1.630	6,618	48,311
2034-2035	5.7	4,060	1.712	6,951	39,621
2035-2036	4.4	4,060	1.798	7,300	32,120
2036-2037	3.4	4,060	1.888	7,665	26,061
2037-2038	2.5	4,060	1.982	8,047	20,118
2038-2039	1.7	4,060	2.081	8,449	14,363
2039-2040	1.2	4,060	2.185	8,871	10,645
2040-2041	0.9	4,060	2.294	9,314	8,383
2041-2042	0.6	4,060	2.409	9,781	5,869
2042-2043	0.4	4,060	2.529	10,268	4,107

(G) Total ULAE Outstanding as of 6/30/25: \$1,440,304

Notes:

- (A) We assume fiscal years will be 7/1 to 6/30.
- (B) Based on an estimated claim closing pattern.
- (C) Based on claims administration payment information provided by ICRMA.
- (D) We assume ULAE costs will increase at 5.0% per year.
- (E) (C) x (D).
- (F) (B) x (E).
- (G) Total of Column (F).

This exhibit shows the calculation of the outstanding ULAE based on the expected pattern of claims closings and assumptions about future claims administration costs per open claim.

ICRMA - Excess Liability

Projected Reported Claims

Accident Year	Claims Reported During the Year Ending at:									
	12 Months	24 Months	36 Months	48 Months	60 Months	72 Months	84 Months	96 Months	108 Months	120 Months
2004-2005										
2005-2006										
2006-2007										
2007-2008										
2008-2009										8.0
2009-2010									8.0	8.0
2010-2011								11.0	11.0	11.0
2011-2012							15.0	15.0	15.0	15.0
2012-2013						18.0	19.0	18.0	18.0	18.0
2013-2014					13.0	12.0	12.0	12.0	12.0	13.0
2014-2015				18.0	18.0	17.0	18.0	18.0	18.0	18.0
2015-2016			16.0	19.0	17.0	16.0	16.0	16.0	16.0	16.0
2016-2017		13.0	13.0	15.0	15.0	14.0	13.0	13.0	13.0	13.0
2017-2018	3.0	7.0	9.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
2018-2019	3.0	5.0	12.0	13.0	14.0	14.0	14.0	14.0	14.0	14.0
2019-2020	4.0	8.0	14.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
2020-2021	8.0	13.0	10.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
2021-2022	2.0	6.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
2022-2023	5.0	15.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
2023-2024	10.0	15.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
2024-2025	11.0	17.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2025-2026	11.0	17.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2026-2027	11.0	17.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
Reported CDFs	1.635	1.055	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
% Unreported	0.388	0.052	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
% Rep in Period	0.612	0.336	0.052	0.000	0.000	0.000	0.000	0.000	0.000	0.000
% Unrep Rep	0.612	0.866	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

ICRMA - Excess Liability

Projected Reported Claims

Accident Year	132 Months	144 Months	156 Months	168 Months	180 Months	192 Months	204 Months	216 Months	228 Months	Ult.
2004-2005				16.0	16.0	16.0	15.0	15.0	15.0	15.0
2005-2006			2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2006-2007		13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
2007-2008	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
2008-2009	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
2009-2010	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
2010-2011	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
2011-2012	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
2012-2013	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2013-2014	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
2014-2015	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2015-2016	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
2016-2017	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
2017-2018	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
2018-2019	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
2019-2020	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
2020-2021	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
2021-2022	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
2022-2023	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
2023-2024	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
2024-2025	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2025-2026	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2026-2027	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
Reported CDFs	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
% Unreported	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
% Rep in Period	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
% Unrep Rep	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	

ICRMA - Excess Liability

Projected Open Claims

Accident Year	Claims Open at End of Year:									
	12 Months	24 Months	36 Months	48 Months	60 Months	72 Months	84 Months	96 Months	108 Months	120 Months
2017-2018	3.0	7.0	9.0	7.0	2.0	2.0	1.5	1.1	0.8	0.6
2018-2019	3.0	5.0	12.0	9.0	8.0	6.0	4.5	3.4	2.6	2.0
2019-2020	4.0	8.0	11.0	13.0	9.8	7.4	5.6	4.2	3.2	2.4
2020-2021	8.0	13.0	9.0	10.5	7.9	5.9	4.4	3.3	2.5	1.9
2021-2022	2.0	6.0	11.3	8.5	6.4	4.8	3.6	2.7	2.0	1.5
2022-2023	5.0	11.3	9.2	6.9	5.2	3.9	2.9	2.2	1.7	1.3
2023-2024	7.5	9.4	7.8	5.9	4.4	3.3	2.5	1.9	1.4	1.1
2024-2025	8.3	10.7	8.8	6.6	5.0	3.8	2.9	2.2	1.7	1.3
2025-2026	8.3	10.7	8.8	6.6	5.0	3.8	2.9	2.2	1.7	1.3
2026-2027	8.3	10.7	8.8	6.6	5.0	3.8	2.9	2.2	1.7	1.3
<u>% of Active Claims Closed in Period</u>										
Third Diagonal:				0.125	0.182	0.250	0.500			
Second Diagonal:			0.214	0.308	0.714	0.500		1.000		
Last Diagonal:			0.100	0.071	0.200			0.333		0.500
From CSAC:	0.435	0.599	0.476	0.358	0.348	0.323	0.271	0.234	0.232	0.220
From App D:	0.596	0.665	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Prior:	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250
Selected:	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250
<u>% Active Claims Remaining open:</u>										
Remaining open:	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750
CSAC Rptd LDF	1.342	1.057	1.026	1.021	1.016	1.011	1.007	1.004	1.002	1.001
CSAC Clsd LDF	3.087	1.436	1.206	1.133	1.089	1.063	1.047	1.037	1.028	1.022
Rptd LDF	1.635	1.055	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Clsd LDF	2.742	1.329	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

ICRMA - Excess Liability

Projected Open Claims

Accident Year	132 Months	144 Months	156 Months	168 Months	180 Months	192 Months	204 Months	216 Months	228 Months
2017-2018	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2
2018-2019	1.5	1.1	0.8	0.6	0.5	0.4	0.3	0.2	0.2
2019-2020	1.8	1.4	1.1	0.8	0.6	0.5	0.4	0.3	0.2
2020-2021	1.4	1.1	0.8	0.6	0.5	0.4	0.3	0.2	0.2
2021-2022	1.1	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2
2022-2023	1.0	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2
2023-2024	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2	0.2
2024-2025	1.0	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2
2025-2026	1.0	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2
2026-2027	1.0	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2
<u>% of Active Claims</u>									
<u>Closed in Period</u>									
Third Diagonal:	1.000						1.000		
Second Diagonal:									
Last Diagonal:									
From CSAC:	0.225	0.234	0.229	0.199	0.125	0.142	0.166	0.200	0.250
From App D:	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Prior:	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250
Selected:	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250
<u>% Active Claims</u>									
Remaining open:	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750
CSAC Rptd LDF	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CSAC Clsd LDF	1.017	1.013	1.010	1.008	1.007	1.006	1.005	1.004	1.003
Rptd LDF	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

ICRMA - Excess Liability

Projected Active Claims

Accident Year	Claims Active During the Year Ending at:									
	12 Months	24 Months	36 Months	48 Months	60 Months	72 Months	84 Months	96 Months	108 Months	120 Months
2004-2005	0.0									
2005-2006	0.0									
2006-2007	0.0									
2007-2008	0.0									
2008-2009	0.0									
2009-2010	0.0									0.0
2010-2011	0.0								2.0	1.0
2011-2012	0.0							1.0	0.0	0.0
2012-2013	0.0						1.0	0.0	0.0	0.0
2013-2014	0.0					4.0	2.0	1.0	1.0	2.0
2014-2015	0.0				10.0	5.0	2.0	1.0	0.0	0.0
2015-2016	0.0			15.0	7.0	4.0	3.0	3.0	2.0	1.5
2016-2017	0.0		11.0	12.0	11.0	8.0	3.0	3.0	2.3	1.7
2017-2018	3.0			8.0	7.0	2.0	2.0	1.5	1.1	0.8
2018-2019	3.0		12.0	13.0	10.0	8.0	6.0	4.5	3.4	2.6
2019-2020	4.0	8.0	14.0	14.0	13.0	9.8	7.4	5.6	4.2	3.2
2020-2021	8.0	13.0	10.0	14.0	10.5	7.9	5.9	4.4	3.3	2.5
2021-2022	2.0	6.0	15.0	11.3	8.5	6.4	4.8	3.6	2.7	2.0
2022-2023	5.0	15.0	12.3	9.2	6.9	5.2	3.9	2.9	2.2	1.7
2023-2024	10.0	12.5	10.4	7.8	5.9	4.4	3.3	2.5	1.9	1.4
2024-2025	11.0	14.3	11.7	8.8	6.6	5.0	3.8	2.9	2.2	1.7
2025-2026	11.0	14.3	11.7	8.8	6.6	5.0	3.8	2.9	2.2	1.7
2026-2027	11.0	14.3	11.7	8.8	6.6	5.0	3.8	2.9	2.2	1.7

Number of Claims Active During the Calendar Year:

<u>Outstanding</u>	1	2	3	4	5	6	7	8	9	10
as of 6/30/23:	73.0	56.0	42.0	31.6	23.8	18.1	13.6	10.3	7.8	6.1
as of 6/30/24:	68.5	52.4	39.4	29.7	22.5	16.9	12.8	9.7	7.5	5.6
as of 6/30/25:	66.7	51.1	38.5	29.1	21.9	16.6	12.6	9.7	7.3	5.7
as of 6/30/26:	65.4	50.2	37.9	28.5	21.6	16.4	12.6	9.5	7.4	5.7
as of 6/30/27:	64.5	49.6	37.3	28.2	21.4	16.4	12.4	9.6	7.4	5.7

ULAE Charge:	\$4,060	\$4,263	\$4,478	\$4,701	\$4,937	\$5,185	\$5,444	\$5,716	\$6,001	\$6,301
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ULAE Costs During the Calendar Year:

<u>Accident Year</u>	1	2	3	4	5	6	7	8	9	10
2023-2024	\$40,600	\$53,288	\$46,571	\$36,668	\$29,128	\$22,814	\$17,965	\$14,290	\$11,402	\$8,821
2024-2025	46,893	64,035	55,002	43,446	34,221	27,220	21,721	17,403	13,862	11,251
2025-2026	49,258	67,224	57,763	45,628	35,930	28,580	22,804	18,273	14,560	11,817
2026-2027	51,711	70,599	60,665	47,907	37,726	30,005	23,944	19,192	15,292	12,410

The number of claims active during the calendar year are summed along the diagonals above.

The ULAE Charge is from pages 1 and 2.

The ULAE costs during the calendar year for 2023-2024 and 2024-2025 are the ULAE charge times the number of active claims.

ICRMA - Excess Liability

Projected Active Claims

Accident Year	132 Months	144 Months	156 Months	168 Months	180 Months	192 Months	204 Months	216 Months	228 Months	240 Months
2004-2005					0.0	0.0	(1.0)	0.0	0.0	0.0
2005-2006				0.0	0.0	0.0	0.0	0.0	0.0	0.0
2006-2007			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2007-2008		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2008-2009	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2009-2010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010-2011	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011-2012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2012-2013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2013-2014	1.0	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2	0.2
2014-2015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2015-2016	1.1	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2	0.2
2016-2017	1.3	1.0	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2
2017-2018	0.6	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2
2018-2019	2.0	1.5	1.1	0.8	0.6	0.5	0.4	0.3	0.2	0.2
2019-2020	2.4	1.8	1.4	1.1	0.8	0.6	0.5	0.4	0.3	0.2
2020-2021	1.9	1.4	1.1	0.8	0.6	0.5	0.4	0.3	0.2	0.2
2021-2022	1.5	1.1	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2
2022-2023	1.3	1.0	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2
2023-2024	1.1	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2	0.2
2024-2025	1.3	1.0	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2
2025-2026	1.3	1.0	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2
2026-2027	1.3	1.0	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2

Number of Claims Active During the Calendar Year:

<u>Outstanding</u>	11	12	13	14	15	16	17	18	19
as of 6/30/23:	4.5	3.6	2.8	2.1	1.5	0.9	0.6	0.4	0.2
as of 6/30/24:	4.4	3.4	2.6	1.9	1.2	0.8	0.6	0.4	0.2
as of 6/30/25:	4.4	3.4	2.5	1.7	1.2	0.9	0.6	0.4	0.2
as of 6/30/26:	4.4	3.3	2.3	1.7	1.3	0.9	0.6	0.4	0.2
as of 6/30/27:	4.3	3.1	2.3	1.8	1.3	0.9	0.6	0.4	0.2

ULAE Charge:	\$6,618	\$6,951	\$7,300	\$7,665	\$8,047	\$8,449	\$8,871	\$9,314	\$9,781	\$10,268
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ULAE Costs During the Calendar Year:

<u>Accident Year</u>	11	12	13	14	15	16	17	18	19	Total
2023-2024	\$7,280	\$5,561	\$4,380	\$3,833	\$3,219	\$2,535	\$1,774	\$1,863	\$1,956	\$313,948
2024-2025	9,036	7,300	6,132	4,828	4,225	3,548	2,794	1,956	2,054	376,927
2025-2026	9,490	7,665	6,438	5,069	4,436	3,726	2,934	2,054	2,156	395,805
2026-2027	9,965	8,047	6,759	5,323	4,657	3,912	3,080	2,156	2,264	415,614

The number of claims active during the calendar year are summed along the diagonals above.

The ULAE Charge is from pages 1 and 2.

The ULAE costs during the calendar year for 2023-2024 and 2024-2025 are the ULAE charge times the number of active claims.