

#### KANSAS MUNICIPAL INSURANCE TRUST

#### ACTUARIAL ANALYSIS OF FUNDING AND UNPAID CLAIM LIABILITIES AS OF DECEMBER 31, 2014

Prepared for:

Mr. Don Osenbaugh

Pool Administrator

Prepared by: **Milliman, Inc.** 

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March 20, 2015

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#### **TABLE OF CONTENTS**

| Section                         | Page |
|---------------------------------|------|
| INTRODUCTION                    | 1    |
| LIMITED DISTRIBUTION OF RESULTS | 3    |
| SUMMARY OF RESULTS              | 4    |
| GENERAL APPROACH                | 7    |
| FUNDING ANALYSIS                | 10   |
| QUALIFICATIONS AND LIMITATIONS  | 12   |
| EXHIBITS 1 THROUGH 14           |      |

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#### ACTUARIAL ANALYSIS OF FUNDING AND UNPAID CLAIM LIABILITIES AS OF DECEMBER 31, 2014

#### INTRODUCTION

Milliman, Inc. (Milliman) has been retained by the Kansas Municipal Insurance Trust ("KMIT" or the "Trust") to conduct an actuarial analysis to:

- Estimate the unpaid claim liabilities as of December 31, 2014;
- Provide funding estimates for 2015; and
- Provide the above funding estimates on a discounted basis and at various probability levels.

The purpose of our analysis is to assist the Trust in preparing its financial statements. Our analysis is based on data evaluated as of December 31, 2014 and information provided through the date of this report.

The Trust is an interlocal governmental agency formed for the purpose of establishing and administering a group funded workers' compensation pool pursuant to the provisions of Kansas state law governing labor and industries. The Trust began operations on January 1, 1994 and provides a comprehensive workers' compensation insurance program for participating members of the League of Kansas Municipalities. In addition to insurance coverage, the program provides risk management services with an emphasis on loss control, claims administration and management information services.

KMIT limits its exposure to loss by purchasing both per occurrence and aggregate excess insurance. A summary of KMIT's excess insurance program is provided on Exhibit 1.

Our estimates are provided on an undiscounted and discounted basis with respect to the time value of money. Our estimates are net of insurance recoverables and include defense and cost containment expenses (ALAE), but do not include other claims administration expenses.

There have been no material changes in procedures, methodology or significant assumptions used in deriving our estimates since our last analysis performed as of December 31, 2013.

In this report, we are using the terms "loss" or "unpaid claim liability" to represent the sum of the medical loss, indemnity loss and allocated loss adjustment expense (ALAE) components on each claim, unless otherwise noted.

Peter G. Wick and Mindy M. Steichen are Fellows of the Casualty Actuarial Society and Members of the American Academy of Actuaries (AAA) and meet the Qualification Standards of the AAA to render the actuarial opinion contained herein.

#### LIMITED DISTRIBUTION OF RESULTS

Milliman's work has been prepared solely for the internal use of KMIT. No portion of Milliman's work may be provided to any other party without Milliman's prior written consent. Milliman does not intend to benefit or create a legal duty to any third party recipient of its work. Milliman's work may not be filed with the SEC or other securities regulatory bodies. In addition, references to Milliman or its estimates in communication with third parties are not authorized.

Milliman's consent to release its work product to any third party may be conditioned on the third party signing a third party release agreement, subject to the following exceptions:

- (A) KMIT may provide a copy of Milliman's work to its auditor to be used solely for audit purposes. In the event the audit reveals any error or inaccuracy in the data underlying Milliman's work, Milliman requests the auditor or KMIT notify Milliman as soon as possible.
- (B) KMIT may provide a copy of Milliman's work to governmental entities, as required by law.

In the event Milliman consents to release its work product, it must be provided in its entirety. We recommend that any such party have its own actuary or other qualified professional review the work product to ensure that the party understands the assumptions and uncertainties inherent in our estimates. No third party recipient of Milliman's work product should rely upon Milliman's work product.

Any reader of this report agrees that they shall not use Milliman's name, trademarks or service marks, or refer to Milliman directly or indirectly in any third party communication without Milliman's prior written consent for each such use or release, which consent shall be given in Milliman's sole discretion.

#### **SUMMARY OF RESULTS**

Our estimates of KMIT's ultimate loss and ALAE are shown by accident year in the table below, along with estimates from our last analysis. In total, our estimates have decreased by approximately \$528,000 since our last analysis.

|               | KMIT NET ULTIMATE LOSS & ALAE<br>LIMITED TO AGGREGATE RETENTIONS |                     |             |  |  |  |  |  |  |  |  |  |
|---------------|--|---------------------|-------------|--|--|--|--|--|--|--|--|--|
| Accident Year | Selected @ 12/31/14  | Selected @ 12/31/13 | Difference  |  |  |  |  |  |  |  |  |  |
| 1994          | \$742,241  | \$742,241           | \$0         |  |  |  |  |  |  |  |  |  |
| 1995          | 1,103,496  | 1,103,496           | 0           |  |  |  |  |  |  |  |  |  |
| 1996          | 836,631  | 836,631             | 0           |  |  |  |  |  |  |  |  |  |
| 1997          | 1,543,031  | 1,543,031           | 0           |  |  |  |  |  |  |  |  |  |
| 1998          | 1,328,631  | 1,328,631           | 0           |  |  |  |  |  |  |  |  |  |
| 1999          | 1,540,262  | 1,540,262           | 0           |  |  |  |  |  |  |  |  |  |
| 2000          | 1,592,966  | 1,590,103           | 2,863       |  |  |  |  |  |  |  |  |  |
| 2001          | 1,180,293  | 1,180,293           | 0           |  |  |  |  |  |  |  |  |  |
| 2002          | 1,340,826  | 1,340,826           | 0           |  |  |  |  |  |  |  |  |  |
| 2003          | 1,623,367  | 1,656,261           | (32,894)    |  |  |  |  |  |  |  |  |  |
| 2004          | 2,494,672  | 2,491,091           | 3,581       |  |  |  |  |  |  |  |  |  |
| 2005          | 3,985,889  | 3,976,732           | 9,157       |  |  |  |  |  |  |  |  |  |
| 2006          | 2,905,571  | 2,928,462           | (22,891)    |  |  |  |  |  |  |  |  |  |
| 2007          | 3,065,209  | 2,979,305           | 85,904      |  |  |  |  |  |  |  |  |  |
| 2008          | 3,636,700  | 3,671,271           | (34,571)    |  |  |  |  |  |  |  |  |  |
| 2009          | 2,348,944  | 2,385,502           | (36,558)    |  |  |  |  |  |  |  |  |  |
| 2010          | 4,081,109  | 4,014,291           | 66,818      |  |  |  |  |  |  |  |  |  |
| 2011          | 3,097,095  | 2,714,658           | 382,437     |  |  |  |  |  |  |  |  |  |
| 2012          | 2,062,085  | 2,214,285           | (152,200)   |  |  |  |  |  |  |  |  |  |
| 2013          | 2,295,616  | 3,076,319           | (780,703)   |  |  |  |  |  |  |  |  |  |
| 2014          | 3,893,823  | 3,913,075           | (19,252)    |  |  |  |  |  |  |  |  |  |
| Total         | \$46,698,457   | \$47,226,766        | \$(528,309) |  |  |  |  |  |  |  |  |  |

Unpaid claim liabilities are derived by subtracting loss and ALAE paid to date from the estimated ultimate loss and ALAE.

The following table displays our estimates of KMIT's net unpaid claim liabilities as of December 31, 2014:

| KMIT NET UNPAID CLAIM LIABILITIES AS OF DECEMBER 31, 2014 |               |             |              |  |  |  |  |  |  |  |
|---|---------------|-------------|--------------|--|--|--|--|--|--|--|
| Accident Year   | Case Reserves | IBNR*       | Total Unpaid |  |  |  |  |  |  |  |
| 1994  | \$0           | \$0         | \$0          |  |  |  |  |  |  |  |
| 1995  | 0             | 0           | 0            |  |  |  |  |  |  |  |
| 1996  | 0             | 0           | 0            |  |  |  |  |  |  |  |
| 1997  | 53,612        | (58,728)    | (5,116)      |  |  |  |  |  |  |  |
| 1998  | 0             | 0           | 0            |  |  |  |  |  |  |  |
| 1999  | 9,339         | (14,125)    | (4,786)      |  |  |  |  |  |  |  |
| 2000  | 19,536        | 12,191      | 31,727       |  |  |  |  |  |  |  |
| 2001  | 0             | 0           | 0            |  |  |  |  |  |  |  |
| 2002  | 0             | 0           | 0            |  |  |  |  |  |  |  |
| 2003  | 0             | 0           | 0            |  |  |  |  |  |  |  |
| 2004  | 42,991        | 57,931      | 100,922      |  |  |  |  |  |  |  |
| 2005  | 56,687        | 89,573      | 146,260      |  |  |  |  |  |  |  |
| 2006  | 79,411        | 76,534      | 155,945      |  |  |  |  |  |  |  |
| 2007  | 191,606       | 105,047     | 296,653      |  |  |  |  |  |  |  |
| 2008  | 185,658       | 156,203     | 341,861      |  |  |  |  |  |  |  |
| 2009  | 46,441        | 158,619     | 205,060      |  |  |  |  |  |  |  |
| 2010  | 216,732       | 267,384     | 484,116      |  |  |  |  |  |  |  |
| 2011  | 429,022       | 284,200     | 713,222      |  |  |  |  |  |  |  |
| 2012  | 132,684       | 295,664     | 428,348      |  |  |  |  |  |  |  |
| 2013  | 230,718       | 571,713     | 802,431      |  |  |  |  |  |  |  |
| 2014  | 1,172,979     | 1,330,499   | 2,503,478    |  |  |  |  |  |  |  |
| Total   | \$2,867,416   | \$3,332,705 | \$6,200,121  |  |  |  |  |  |  |  |

\* The 1997 and 1999 year incurred and paid losses exceed the aggregate retention. Ultimately KMIT should recover losses excess of the aggregate retention from Safety National.

The total unpaid claim liability includes a provision for case reserves, expected development of case reserves, incurred but not reported (IBNR) reserves, allocated loss adjustment expense reserves and excess insurance recoveries. We have not estimated a provision for claims administration expenses. The estimates in the above table are net of KMIT's excess insurance protection, and are shown on an undiscounted (full value) basis. We have not included a provision for KMIT's exposure above its aggregate excess insurance.

The estimates presented above can be characterized as actuarial central estimates and represent an expected value over a range of reasonably possible outcomes. They do not reflect all conceivable extreme events where the contribution of such events to an expected value is not reliably estimable. The estimates are not defined by a precise statistical measure (i.e., mean, median, mode, etc.), but are selected from multiple indications produced by a variety of generally accepted actuarial methods.

Our actuarial central estimate of KMIT's ultimate loss for the January 1, 2015 to December 31, 2015 fund year is \$3.88 million on an undiscounted basis and \$3.81 million discounted at a yield rate of 0.69%. The following table displays our estimated funding amounts at various probability levels:

| KMIT 2015 FUND YEAR<br>LIMITED TO \$750,000 PER OCCURRENCE AND<br>\$7,031,696 AGGREGATE RETENTION |              |                    |  |  |  |  |  |  |  |  |
|---|--------------|--------------------|--|--|--|--|--|--|--|--|
| Probability Level   | Undiscounted | Discounted @ 0.69% |  |  |  |  |  |  |  |  |
| 95%   | \$7,031,696  | \$6,919,189        |  |  |  |  |  |  |  |  |
| 85%   | 6,084,416    | 5,987,065          |  |  |  |  |  |  |  |  |
| 75%   | 4,883,034    | 4,804,906          |  |  |  |  |  |  |  |  |
| 65% 4,107,949 4,042,222   |              |                    |  |  |  |  |  |  |  |  |
| Actuarial Central Estimate  | \$3,875,424  | \$3,813,417        |  |  |  |  |  |  |  |  |

#### **GENERAL APPROACH**

We used four projection techniques to develop estimates of the ultimate losses. The unpaid claim liability was then derived by subtracting losses paid as of December 31, 2014 from the estimated ultimate losses. The following methods were used to project ultimate losses:

- Incurred loss development projection;
- Paid loss development projection;
- Incurred Bornhuetter-Ferguson projection; and
- Paid Bornhuetter-Ferguson projection.

#### **Loss Development Methods**

Incurred losses are defined as paid losses plus reported reserves on open claims (case reserves). The incurred loss development method derives an estimate of ultimate losses by multiplying the incurred losses by an incurred loss development factor. The loss development factor reflects expected development from late reported claims (IBNR) and reopened claims, as well as from changes in the aggregate value of case reserves as accident years mature. When necessary, we have supplemented KMIT's historical experience with external data sources in selecting development factors (Exhibit 2). Specifically, we referenced insurance industry experience for workers' compensation business in Kansas and countrywide.

The paid loss development method derives an estimate of ultimate losses by multiplying paid losses by a paid loss development factor. Again, we considered Kansas and countrywide workers' compensation experience in our selection of paid loss development factors (Exhibit 4). The paid loss development factors reflect the expected relationship between ultimate losses and paid losses through December 31, 2014.

Exhibits 3 and 5 display the results of the incurred and paid loss development projections.

#### **Bornhuetter-Ferguson Methods**

The Incurred Bornhuetter-Ferguson method derives ultimate losses by adding an estimated IBNR amount to the losses reported to date. The estimated IBNR was based on an initial estimate of the ultimate losses (a priori estimate) and an estimated reporting pattern for incurred losses. The a priori loss estimates for fund years 1994 through 2014 were based on our December 31, 2013 analysis of ultimate losses.

We relied on the development pattern underlying the incurred loss development projection method to select a reporting pattern. Specifically, the estimated percentage unreported is equal to one minus the reciprocal of the cumulative incurred loss development factor. Estimated ultimate losses were then derived by adding the estimated IBNR to the incurred losses as of December 31, 2014.

The Paid B-F method derives ultimate losses by adding an estimated unpaid amount to the paid losses to date. The estimated unpaid loss was calculated by taking one minus the reciprocal of the cumulative paid loss development factor multiplied by the a priori loss estimate.

Exhibits 6 and 7 display the results of the incurred and paid B-F projections.

Based on the projection methods outlined above, we selected the net ultimate loss estimates by accident year, as displayed on Exhibit 8.

#### **Unpaid Claim Liabilities**

The unpaid claim liability was derived by subtracting the cumulative paid loss and ALAE through December 31, 2014 from the estimated ultimate loss and ALAE. Exhibit 9 displays the calculation of the net unpaid claim liabilities, as well as the net IBNR, which is equal to the total net unpaid claim liabilities less the net case reserves as of December 31, 2014.

The negative IBNR amounts in the 1997 and 1999 fund years are due to the fact that incurred losses exceed the aggregate retention for those years. KMIT expects to fully recover the losses excess of the aggregate retention from its excess insurer. KMIT has made payments and has case reserves in excess of the aggregate retention. IBNR for 1997 and 1999 reflects aggregate recoveries already received of \$295,131 and \$107,134, respectively. Additional recoveries are expected.

#### **FUNDING ANALYSIS**

Exhibit 10 derives our projection of KMIT's ultimate losses for accident year 2015. Our projections were based on KMIT's historical loss experience as well as aggregate Kansas workers' compensation loss experience (adjusted to reflect KMIT's risk profile). Our selected ultimate losses were used to calculate pure premiums (ultimate loss per \$100 payroll) for accident years 2006 through 2014. These pure premiums were adjusted for:

- Changes in the self-insured retention;
- Changes in benefit levels (Exhibit 11); and
- Trends in average claim costs (1.5% per year).

The selected 2015 pure premium (row 8) was multiplied by the projected 2015 payroll to estimate the ultimate loss, prior to aggregate excess insurance (row 10).

We have provided funding estimates on both an undiscounted and a discounted basis. Undiscounted values are the nominal estimates of claims to be paid in the future and do not reflect the time value of money. The discounted value reflects the amount of assets which, when combined with investment earnings on these assets assumed to accumulate at a specified yield rate, are estimated to be sufficient to pay all claims. We used a 0.69% yield assumption, as provided by KMIT. The selected payout pattern is shown on Exhibit 12, and the resulting present value factor is displayed on Exhibit 13.

It is not uncommon for self-insured entities to fund at levels which include a margin for adverse loss experience. One way to accomplish this is to fund at a probability level greater than the actuarial central estimate. For purposes of developing estimates at various probability levels, the actuarial central estimates presented in this report (both undiscounted and discounted) represent expected value estimates. As such, when the ultimate cost of the claims is known, there is approximately an equal probability that the actual value will be higher or lower than the estimated value. To estimate liabilities at

various probability levels, we relied on an insurance industry based distribution of aggregate workers' compensation losses, adjusted to reflect characteristics of KMIT's loss experience. The resulting unpaid claim liabilities at various probability levels are displayed on Exhibit 14.

We know of no specific requirement that a public entity fund at a given probability level. The funding level is a reflection of the entity's risk tolerance, as well as the availability of funds from other sources in the event the self-insurance fund falls short of the paid amounts. There is always a chance that the balance in the fund will not be sufficient to meet the claims that will be charged against it. While we believe a self-insured entity should recognize the potential risk of assuming its own claim liabilities, there is no simple formula that we know of to decide how much self-insured exposure is prudent. Of course, budget and risk considerations may play a role in the decision.

The range of values displayed in the exhibits (in particular the 95<sup>th</sup> percentile) does not represent the highest or lowest possible values of the discounted loss and ALAE claim liabilities. Potential variation around these values exists, both due to uncertainty with respect to the amount, as well as timing of future payments along with the investment yield.

#### **QUALIFICATIONS AND LIMITATIONS**

The actuarial methodology used in this report assumes that case reserves on reported claims are consistently estimated based on current facts known about the claims as of the date of valuation. No independent review of any specific claim files has been performed by Milliman.

In estimating KMIT's unpaid claim liabilities, it is necessary to project future loss and ALAE payments. It is certain that actual future losses and ALAE will not develop exactly as projected and may vary significantly from our projections. Further, our projections make no provision for future emergence of new classes of losses or types of losses (such as cumulative trauma claims), which are not sufficiently represented in KMIT's historical database or which are not yet quantifiable.

In performing this analysis, we have relied on data and other information provided to us by KMIT. We have not audited or verified this data and other information. If the underlying data or information is inaccurate or incomplete, the results of our analysis may likewise be inaccurate or incomplete. In that event, the results of our analysis may not be suitable for the intended purpose.

We performed a limited review of the data used directly in our analysis for reasonableness and consistency and have not found material defects in the data. If there are material defects in the data, it is possible that they would be uncovered by a detailed, systematic review and comparison of the data to search for data values that are questionable or relationships that are materially inconsistent. Such a review was beyond the scope of our assignment.

The sensitivity of key variables in this analysis was considered. Key variables include the selected loss development tails, trend factors, and pure premiums. The overall results are potentially sensitive to these key variables, and reasonable alternative selections could change the results in either direction.

KMIT's data was supplemented with insurance industry data where deemed necessary, such as loss development factors where credible data was not available. The use of external data is another source of uncertainty in our estimates.

The emergence of individual large losses (or changes in case reserves on existing open claims) could materially change our results. We cannot predict the timing of large losses, but their possibility increases the uncertainty inherent in our estimates.

Milliman is not expressing an opinion as to the appropriateness of discounting KMIT's unpaid claims liabilities for financial reporting. We have not examined KMIT's current investment portfolio nor its current investment philosophy. In estimating KMIT's discounted loss reserves, we used an annual effective interest rate of 0.69%. The interest rate was provided to us by KMIT and is based on its assessment of its investment returns. KMIT selected the interest rate because KMIT has greater familiarity with the potential investment returns on its assets. The selected interest rate does not conflict significantly with what, in our opinion, would be reasonable for the purpose of this assignment.

Future rates of return are not guaranteed and may exceed or fall below the assumed rate. Also, the actual timing of loss payments is subject to variability. Differences between actual and expected rates of return and timing of payments from those underlying our estimates may have a material effect on the amount of the discount. Further, our projections assume the existence of valid assets underlying the unpaid claim liabilities and that these assets are appropriate to meet the cash flow needs of KMIT. We have not reviewed the held assets.

Finally, KMIT insures part of its exposure to limit its liability for losses. Our estimates are presented on a net basis with respect to excess insurance recoverables. We have not made any provisions for uncollectible excess insurance.

- 14 -

We did not review the actual excess and aggregate insurance contracts of KMIT but relied on summaries

of the terms of the contracts provided by KMIT. Our results, net of excess insurance, assume that all

excess insurance is valid and collectible. We are not able to assess the potential for uncollectible excess

insurance without performing a substantial amount of additional work beyond the scope of our

assignment. We have not anticipated any contingent liabilities that could arise if the excess insurers do

not meet their obligations to KMIT as reflected in the data and other information provided to us.

**\* \* \* \*** 

We appreciate the opportunity to again be of service to the Kansas Municipal Insurance Trust. If you

have any questions on our report, please do not hesitate to contact us.

Sincerely,

Peter D. Wick

Peter G. Wick, FCAS, MAAA Principal and Consulting Actuary

Mindy M. Steichen, FCAS, MAAA

Mindy M. Starchen

Consulting Actuary

PGW/MMS/klr

CC:

Deanna Furman Debbie James

March 20, 2015

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### Workers' Compensation Summary of Excess Insurance Program

| Insurance Period   | Per Claim<br>Retention | Aggregate<br>Retention | Excess<br>Insurance<br>Policy Limit |
|--------------------|------------------------|------------------------|-------------------------------------|
| 1/01/94-12/31/95 * | \$250,000              | \$2,376,391            | \$5,000,000                         |
| 1/01/96-12/31/96   | 250,000                | 1,796,589              | 3,000,000                           |
| 1/01/97-12/31/97   | 250,000                | 1,543,031              | 3,000,000                           |
| 1/01/98-12/31/98   | 250,000                | 1,472,773              | 3,000,000                           |
| 1/01/99-12/31/99   | 250,000                | 1,540,262              | 3,000,000                           |
| 1/01/00-12/31/00   | 250,000                | 1,702,335              | 3,000,000                           |
| 1/01/01-12/31/01   | 250,000                | 2,045,088              | 3,000,000                           |
| 1/01/02-12/31/02   | 300,000 **             | 2,720,504              | 3,000,000                           |
| 1/01/03-12/31/03   | 300,000 ***            | 3,218,926              | 3,000,000                           |
| 1/01/04-12/31/04   | 500,000                | 4,544,300              | 3,000,000                           |
| 1/01/05-12/31/05   | 500,000                | 5,602,842              | 3,000,000                           |
| 1/01/06-12/31/06   | 750,000                | 4,978,483              | 3,000,000                           |
| 1/01/07-12/31/07   | 750,000                | 4,920,798              | 3,000,000                           |
| 1/01/08-12/31/08   | 750,000                | 5,448,469              | 3,000,000                           |
| 1/01/09-12/31/09   | 750,000                | 5,503,943              | 3,000,000                           |
| 1/01/10-12/31/10   | 750,000                | 5,517,871              | 3,000,000                           |
| 1/01/11-12/31/11   | 750,000                | 5,397,530              | 3,000,000                           |
| 1/01/12-12/31/12   | 750,000                | 5,619,072              | 3,000,000                           |
| 1/01/13-12/31/13   | 750,000                | 6,047,177              | 3,000,000                           |
| 1/01/14-12/31/14   | 750,000                | 6,986,185              | 3,000,000                           |
| 1/01/15-12/31/15   | \$750,000              | \$7,031,696            | \$3,000,000                         |

<sup>\*</sup> For the 1994 & 1995 years, the aggregate retention of \$2.4M is applicable on a combined basis.

<sup>\*\*</sup> The Retention for Class Code 7539 is \$350,000 and \$300,000 for all other Class Codes.

<sup>\*\*\*</sup> The Retention for Class Code 7539 is \$400,000 and \$300,000 for all other Class Codes.

#### Workers' Compensation Incurred Medical & Indemnity Loss & ALAE Limited to Per Claim Retentions

| Appide = +         | Incurred Medical & Indemnity Loss & ALAE Limited to Per Claim Retentions |                        |                        |                |                |                        |                        |                        |                        |                        |                        |                        |                |                |                |           |           |           |           |           |           |
|--------------------|--|------------------------|------------------------|----------------|----------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------|----------------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Accident<br>Year   | 12   | 24                     | 36                     | 48             | 60             | 72                     | 84                     | 96                     | 108                    | 120                    | 132                    | 144                    | 156            | 168            | 180            | 192       | 204       | 216       | 228       | 240       | 252       |
| 1994               | 549,504  | 752,689                | 775,594                | 743,060        | 742,241        | 742,241                | 742,241                | 742,241                | 742,241                | 742,241                | 742,241                | 742,241                | 742,241        | 742,241        | 742,241        | 742,241   | 742,241   | 742,241   | 742,241   | 742,241   | 742,241   |
| 1995               | 546,387  | 1,083,821              | 1,098,272              |                |                | 1,103,118              | 1,103,118              | 1,103,118              | 1,103,118              | 1,103,118              | 1,103,118              | 1,103,118              | 1,103,118      | 1,103,118      |                | 1,103,118 | 1,103,118 | 1,103,118 | 1,103,496 | 1,103,496 | ,         |
| 1996               | 544,209  | 680,655                | 739,898                | 856,552        | 856,495        | 836,460                | 836,493                | 836,493                | 836,493                | 836,631                | 836,631                | 836,631                | 836,631        | 836,631        | 836,631        | 836,631   | 836,631   | 836,631   | 836,631   |           |           |
| 1997               | 1,315,384  | 1,548,834              | 1,787,838              | 1,749,009      | 1,747,333      | 1,775,940              | 1,807,342              | 1,807,365              | 1,808,816              | 1,808,816              | 1,808,816              | 1,801,890              | 1,826,890      | 1,826,890      | 1,826,890      | 1,833,890 | 1,896,890 | 1,896,890 |           |           |           |
| 1998               | 715,614  | 999,500                | 1,091,244              |                | 1,120,177      | 1,183,709              | 1,218,855              | 1,310,767              | 1,328,630              | 1,328,630              | 1,328,631              | 1,328,631              | 1,328,631      | 1,328,631      | 1,328,631      | 1,328,631 | 1,328,631 |           |           |           |           |
| 1999               | 725,540  |                        |                        | 1,460,666      |                | 1,504,443              | 1,552,010              |                        | 1,642,112              |                        | 1,646,612              |                        | 1,646,612      | 1,651,612      | 1,651,612      | 1,661,521 |           |           |           |           |           |
| 2000               | 696,850  | 1,036,064              | 1,205,669              |                |                | 1,317,123              | 1,355,755              | 1,411,001              | 1,418,001              | 1,418,001              | 1,523,001              |                        | 1,577,021      | 1,580,271      | 1,580,775      |           |           |           |           |           |           |
| 2001               | 815,645  |                        |                        | 1,191,746      |                | 1,193,220              | 1,198,501              | 1,180,293              | 1,180,293              | 1,180,293              | 1,180,293              | 1,180,293              | 1,180,293      | 1,180,293      |                |           |           |           |           |           |           |
| 2002<br>2003       | 1,054,829<br>1,282,114   | 1,477,212<br>1,607,815 | 1,365,075<br>1,593,726 |                |                | 1,340,826<br>1,598,258 | 1,340,826<br>1,623,547 | 1,340,826<br>1,628,451 | 1,340,826<br>1,635,451 | 1,340,826<br>1,635,451 | 1,340,826<br>1,635,451 | 1,340,826<br>1,623,367 | 1,340,826      |                |                |           |           |           |           |           |           |
| 2003               | 1,293,267  | 2,063,658              | 2,133,976              |                |                | 2,340,188              | 2,305,072              | 2,301,629              | 2,324,597              | 2,429,597              | 2,436,741              | 1,023,307              |                |                |                |           |           |           |           |           |           |
| 2005               | 2,233,412  |                        | 3,358,164              | 3,440,441      | 3,599,488      | 3,603,227              | 3,761,251              | 3,841,672              | 3,893,333              | 3,896,316              | 2,430,741              |                        |                |                |                |           |           |           |           |           |           |
| 2006               | 1,652,427  |                        | 2,521,407              |                |                | 2,702,302              |                        | 2,829,620              | 2,829,037              | 0,000,010              |                        |                        |                |                |                |           |           |           |           |           |           |
| 2007               | 1,674,625  |                        | 2,439,995              |                |                | 2,795,735              | 2,870,662              | 2,960,162              | _,,,,                  |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| 2008               | 2,436,655  |                        | 3,206,923              |                |                | 3,475,316              | 3,480,497              |                        |                        |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| 2009               | 1,394,062  |                        | 2,053,555              |                |                |                        |                        |                        |                        |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| 2010               | 2,362,300  | 3,183,354              | 3,678,422              | 3,624,648      | 3,813,725      |                        |                        |                        |                        |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| 2011               | 2,198,429  | 2,404,188              | 2,475,834              | 2,812,895      |                |                        |                        |                        |                        |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| 2012               | 1,359,817  | 1,686,437              | 1,766,421              |                |                |                        |                        |                        |                        |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| 2013               |  | 1,723,903              |                        |                |                |                        |                        |                        |                        |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| 2014               | 2,563,324  |                        |                        |                |                |                        |                        |                        |                        |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| Accident           |  |                        |                        |                |                |                        |                        |                        |                        |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| Year               | 12 - 24  | 24 - 36                | 36 - 48                | 48 - 60        | 60 - 72        | 72 - 84                | 84 - 96                | 96 - 108               | 108 - 120              | 120 - 132              | 132 - 144              | 144 - 156              | 156 - 168      | 168 - 180      | 180 - 192      | 192 - 204 | 204 - 216 | 216 - 228 | 228 - 240 | 240 - 252 | 252 - Ult |
| 1994               | 1.370  | 1.030                  | 0.958                  | 0.999          | 1.000          | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000          | 1.000          | 1.000          | 1.000     | 1.000     | 1.000     | 1.000     | 1.000     |           |
| 1995               | 1.984  | 1.013                  | 1.009                  | 0.995          | 1.000          | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000          | 1.000          | 1.000          | 1.000     | 1.000     | 1.000     | 1.000     |           |           |
| 1996               | 1.251  | 1.087                  | 1.158                  | 1.000          | 0.977          | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000          | 1.000          | 1.000          | 1.000     | 1.000     | 1.000     |           |           |           |
| 1997               | 1.177  | 1.154                  | 0.978                  | 0.999          | 1.016          | 1.018                  | 1.000                  | 1.001                  | 1.000                  | 1.000                  | 0.996                  | 1.014                  | 1.000          | 1.000          | 1.004          | 1.034     | 1.000     |           |           |           |           |
| 1998<br>1999       | 1.397<br>1.534   | 1.092<br>1.171         | 0.994<br>1.121         | 1.032<br>1.036 | 1.057<br>0.995 | 1.030<br>1.032         | 1.075<br>1.014         | 1.014<br>1.044         | 1.000<br>1.000         | 1.000<br>1.003         | 1.000<br>1.000         | 1.000<br>1.000         | 1.000<br>1.003 | 1.000<br>1.000 | 1.000<br>1.006 | 1.000     |           |           |           |           |           |
| 2000               | 1.487  | 1.164                  | 1.028                  | 1.036          | 1.016          | 1.032                  | 1.041                  | 1.044                  | 1.000                  | 1.003                  | 1.034                  | 1.000                  | 1.003          | 1.000          | 1.000          |           |           |           |           |           |           |
| 2000               | 1.384  | 1.062                  | 0.994                  | 1.040          | 1.000          | 1.029                  | 0.985                  | 1.003                  | 1.000                  | 1.000                  | 1.000                  | 1.002                  | 1.002          | 1.000          |                |           |           |           |           |           |           |
| 2002               | 1.400  | 0.924                  | 0.984                  | 1.000          | 0.998          | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000          |                |                |           |           |           |           |           |           |
| 2003               | 1.254  | 0.991                  | 0.998                  | 1.004          | 1.000          | 1.016                  | 1.003                  | 1.004                  | 1.000                  | 1.000                  | 0.993                  | 1.000                  |                |                |                |           |           |           |           |           |           |
| 2004               | 1.596  | 1.034                  | 1.086                  | 1.011          | 0.998          | 0.985                  | 0.999                  | 1.010                  | 1.045                  | 1.003                  |                        |                        |                |                |                |           |           |           |           |           |           |
| 2005               | 1.453  | 1.035                  | 1.025                  | 1.046          | 1.001          | 1.044                  | 1.021                  | 1.013                  | 1.001                  |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| 2006               | 1.517  | 1.006                  | 1.040                  | 1.000          | 1.031          | 1.015                  | 1.032                  | 1.000                  |                        |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| 2007               | 1.392  | 1.046                  | 1.061                  | 1.068          | 1.011          | 1.027                  | 1.031                  |                        |                        |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| 2008               | 1.235  | 1.066                  | 1.033                  | 1.024          | 1.024          | 1.001                  |                        |                        |                        |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| 2009               | 1.509  | 0.976                  | 1.038                  | 1.043          | 0.985          |                        |                        |                        |                        |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| 2010               | 1.348  | 1.156                  | 0.985                  | 1.052          |                |                        |                        |                        |                        |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| 2011               | 1.094  | 1.030                  | 1.136                  |                |                |                        |                        |                        |                        |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| 2012               | 1.240  | 1.047                  |                        |                |                |                        |                        |                        |                        |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| 2013               | 1.147  |                        |                        |                |                |                        |                        |                        |                        |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| NCCI Kansas        | 1.218  | 1.052                  | 1.023                  | 1.011          | 1.009          | 1.011                  | 1.021                  |                        | < 96 - Ult             |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| NCCI Countrywide   |  | 1.095                  | 1.049                  | 1.026          | 1.018          | 1.011                  | 1.009                  |                        | < 96 - Ult             |                        |                        |                        |                |                |                |           |           |           |           |           |           |
| Average            | 1.388  | 1.057                  | 1.035                  | 1.021          | 1.007          | 1.013                  | 1.014                  | 1.007                  | 1.004                  | 1.007                  | 1.002                  | 1.002                  | 1.001          | 1.000          | 1.002          | 1.007     | 1.000     | 1.000     | 1.000     | 1.000     |           |
| Average x H/L      | 1.372  | 1.058                  | 1.032                  | 1.020          | 1.005          | 1.013                  | 1.012                  | 1.004                  | 1.000                  | 1.001                  | 1.000                  | 1.000                  | 1.000          | 1.000          | 1.001          | 1.000     | 1.000     | 1.000     | 4.000     | 4.000     |           |
| Ntd Average        | 1.354  | 1.054                  | 1.035                  | 1.027          | 1.008          | 1.015                  | 1.017                  | 1.008                  | 1.006                  | 1.008                  | 1.002                  | 1.002                  | 1.001          | 1.000          | 1.002          | 1.011     | 1.000     | 1.000     | 1.000     | 1.000     |           |
| Select for 94-03*  | 1.354  | 1.054                  | 1.035                  | 1.027          | 1.008          | 1.015                  | 1.017                  | 1.008                  | 1.004                  | 1.002                  | 1.001                  | 1.001                  | 1.000          | 1.000          | 1.000          | 1.000     | 1.000     | 1.000     | 1.000     | 1.000     |           |
| 94-03 Cumulative   | 1.611  | 1.190                  | 1.129                  | 1.091          | 1.062          | 1.054                  | 1.038                  | 1.021                  | 1.013                  | 1.009                  | 1.007                  | 1.006                  | 1.005          | 1.005          | 1.005          | 1.005     | 1.005     | 1.005     | 1.005     | 1.005     | 1.005     |
| Select for 04-14** | 1.354  | 1.054                  | 1.035                  | 1.027          | 1.008          | 1.015                  | 1.017                  | 1.008                  | 1.004                  | 1.002                  | 1.001                  | 1.001                  | 1.000          | 1.000          | 1.000          | 1.000     | 1.000     | 1.000     | 1.000     | 1.000     |           |
| 04-14 Cumulative   | 1.637  | 1.209                  | 1.147                  | 1.108          | 1.079          | 1.070                  | 1.054                  | 1.036                  | 1.028                  | 1.024                  | 1.022                  | 1.021                  | 1.020          | 1.020          | 1.020          | 1.020     | 1.020     | 1.020     | 1.020     | 1.020     | 1.020     |
|                    |  |                        |                        |                |                |                        |                        |                        |                        |                        |                        |                        |                |                |                |           |           |           |           |           |           |

<sup>\*</sup> Years with SIRs of \$250,000 or \$300,000. \*\* Years with SIRs of \$500,000 or \$750,000.

# Workers' Compensation Net Ultimate Medical & Indemnity Loss & ALAE Indications Incurred Loss Development Projection Evaluation as of 12/31/14

|                  |                          | (1)                                  | (2)                                   | (3)                         | = [(1)-(2)]x(3)+(2)             |
|------------------|--------------------------|--------------------------------------|---------------------------------------|-----------------------------|---------------------------------|
| Accident<br>Year | Months of<br>Development | Incurred Loss<br>& ALAE<br>@12/31/14 | Incurred Large Loss & ALAE Adjustment | Cumulative<br>Incurred LDF* | Indicated Ultimate Loss& ALAE** |
| 1994             | 252                      | \$742,241                            | \$0                                   | 1.005                       | \$745,952                       |
| 1995             | 240                      | 1,103,496                            | 0                                     | 1.005                       | 1,109,013                       |
| 1996             | 228                      | 836,631                              | 0                                     | 1.005                       | 840,814                         |
| 1997             | 216                      | 1,896,890                            | 0                                     | 1.005                       | 1,906,374                       |
| 1998             | 204                      | 1,328,631                            | 0                                     | 1.005                       | 1,335,274                       |
| 1999             | 192                      | 1,661,521                            | 0                                     | 1.005                       | 1,669,829                       |
| 2000             | 180                      | 1,580,775                            | 0                                     | 1.005                       | 1,588,679                       |
| 2001             | 168                      | 1,180,293                            | 0                                     | 1.005                       | 1,186,194                       |
| 2002             | 156                      | 1,340,826                            | 0                                     | 1.005                       | 1,347,530                       |
| 2003             | 144                      | 1,623,367                            | 0                                     | 1.006                       | 1,633,107                       |
| 2004             | 132                      | 2,436,741                            | 0                                     | 1.022                       | 2,490,349                       |
| 2005             | 120                      | 3,896,316                            | 499,925                               | 1.024                       | 3,977,829                       |
| 2006             | 108                      | 2,829,037                            | 0                                     | 1.028                       | 2,908,250                       |
| 2007             | 96                       | 2,960,162                            | 0                                     | 1.036                       | 3,066,728                       |
| 2008             | 84                       | 3,480,497                            | 0                                     | 1.054                       | 3,668,444                       |
| 2009             | 72                       | 2,190,325                            | 0                                     | 1.070                       | 2,343,648                       |
| 2010             | 60                       | 3,813,725                            | 0                                     | 1.079                       | 4,115,009                       |
| 2011             | 48                       | 2,812,895                            | 0                                     | 1.108                       | 3,116,688                       |
| 2012             | 36                       | 1,766,421                            | 0                                     | 1.147                       | 2,026,085                       |
| 2013             | 24                       | 1,723,903                            | 0                                     | 1.209                       | 2,084,199                       |
| 2014             | 12                       | 2,563,324                            | 745,000                               | 1.637                       | 3,721,596                       |
| Total            |                          | \$43,768,017                         | \$1,244,925                           |                             | \$46,881,591                    |

<sup>\*</sup> Based on KMIT loss history supplemented with NCCI Statistical Bulletin information.

<sup>\*\*</sup> The large claims in 2005 & 2014 were not developed.

#### Workers' Compensation Paid Medical & Indemnity Loss & ALAE Limited to Per Claim Retentions

| Accident                  |                    |                    |                        |                        |                        |                        | Paid I                 | Vledical & Ir          | ndemnity Lo            | ss & ALAE              | Limited to             | Per Claim              | Retentions             |                        |           |           |           |           |           |           |           |
|---------------------------|--------------------|--------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Accident<br>Year          | 12                 | 24                 | 36                     | 48                     | 60                     | 72                     | 84                     | 96                     | 108                    | 120                    | 132                    | 144                    | 156                    | 168                    | 180       | 192       | 204       | 216       | 228       | 240       | 252       |
| 1994                      | 337,680            | 572,772            | 672,657                | 722,555                | 742,241                | 742,241                | 742,241                | 742,241                | 742,241                | 742,241                | 742,241                | 742,241                | 742,241                | 742,241                | 742,241   | 742,241   | 742,241   | 742,241   | 742,241   | 742,241   | 742,241   |
| 1995                      | 311,299            | 770,471            | 1,000,258              | 1,025,950              | 1,102,723              | 1,103,118              | 1,103,118              | 1,103,118              | 1,103,118              | 1,103,118              | 1,103,118              | 1,103,118              | 1,103,118              | 1,103,118              | 1,103,118 | 1,103,118 | 1,103,118 | 1,103,118 | 1,103,496 | 1,103,496 |           |
| 1996                      | 233,827            | 557,835            | 701,367                | 831,383                | 856,495                | 836,460                | 836,493                | 836,493                | 836,493                | 836,631                | 836,631                | 836,631                | 836,631                | 836,631                | 836,631   | 836,631   | 836,631   | 836,631   | 836,631   |           |           |
| 1997                      | 698,376            | 1,236,709          |                        | 1,689,902              | 1,749,729              | 1,761,798              | 1,774,588              | 1,787,037              | 1,785,022              | 1,790,744              | 1,795,115              | 1,799,457              | 1,812,180              | 1,817,500              | 1,822,970 | 1,830,014 | 1,835,872 | 1,843,278 |           |           |           |
| 1998                      | 382,887            | 762,358            |                        | 1,033,877              | 1,068,430              | 1,123,046              | 1,188,439              | 1,286,699              | 1,311,945              | 1,328,630              | 1,328,631              | 1,328,631              | 1,328,631              | 1,328,631              | 1,328,631 | 1,328,631 | 1,328,631 |           |           |           |           |
| 1999                      | 497,057            | 945,543            |                        | 1,387,701              | 1,433,141              | 1,470,482              | 1,488,630              | 1,501,435              | 1,569,579              | 1,633,846              |                        |                        | 1,638,895              | 1,640,575              |           | 1,652,182 |           |           |           |           |           |
| 2000<br>2001              | 405,729<br>460,784 | 832,626<br>967,977 | 1,120,010<br>1,064,877 | 1,198,918<br>1,191,746 | 1,296,491<br>1,192,444 | 1,310,649<br>1,193,220 | 1,327,913<br>1,194,038 | 1,363,971<br>1,180,293 | 1,378,649<br>1,180,293 | 1,395,111<br>1,180,293 | 1,462,558<br>1,180,293 | 1,547,462<br>1,180,293 | 1,550,510<br>1,180,293 | 1,553,759<br>1,180,293 | 1,561,239 |           |           |           |           |           |           |
| 2002                      | 659,579            | 1,130,950          | 1,324,566              |                        | 1,340,825              | 1,340,825              | 1,340,825              | 1,160,293              | 1,340,826              | 1,160,293              | 1,160,293              | 1,160,293              | 1,340,826              | 1,160,293              |           |           |           |           |           |           |           |
| 2002                      | 964,665            | 1,462,892          |                        | 1,542,377              | 1,598,258              | 1,598,258              | 1,602,481              | 1,616,517              | 1,623,367              | 1,623,367              | 1,623,367              | 1,623,367              | 1,540,020              |                        |           |           |           |           |           |           |           |
| 2004                      |                    |                    |                        | 2,101,031              | 2,248,698              | 2,279,692              | 2,294,399              | 2,297,324              | 2,307,329              | 2,380,745              | 2,393,750              | 1,020,007              |                        |                        |           |           |           |           |           |           |           |
| 2005                      | 1,229,826          | 2,570,887          | 2,944,207              |                        | 3,367,881              | 3,469,495              | 3,621,588              |                        |                        | 3,839,629              | 2,000,100              |                        |                        |                        |           |           |           |           |           |           |           |
| 2006                      |                    | 1,920,917          |                        | 2,387,480              | 2,526,291              | 2,625,597              | 2,641,385              |                        |                        | -,,                    |                        |                        |                        |                        |           |           |           |           |           |           |           |
| 2007                      | 787,012            | 1,984,011          | 2,279,729              | 2,351,320              | 2,526,347              | 2,619,834              | 2,663,981              | 2,768,556              |                        |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| 2008                      | 1,191,790          | 2,489,314          | 2,865,128              | 3,060,081              | 3,201,123              | 3,242,919              | 3,294,839              |                        |                        |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| 2009                      | 730,841            | 1,582,734          | 1,831,733              | 1,946,136              | 2,099,939              | 2,143,884              |                        |                        |                        |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| 2010                      | 1,125,821          | 2,295,412          | 3,059,724              | 3,408,765              | 3,596,993              |                        |                        |                        |                        |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| 2011                      | 923,653            | 1,662,070          | 1,908,433              | 2,383,873              |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| 2012                      |                    |                    | 1,633,737              |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| 2013                      |                    | 1,493,185          |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| 2014                      | 1,390,345          |                    |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| Accident                  |                    |                    |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| Year                      | 12 - 24            | 24 - 36            | 36 - 48                | 48 - 60                | 60 - 72                | 72 - 84                | 84 - 96                | 96 - 108               | 108 - 120              | 120 - 132              | 132 - 144              | 144 - 156              | 156 - 168              | 168 - 180              | 180 - 192 | 192 - 204 | 204 - 216 | 216 - 228 | 228 - 240 | 240 - 252 | 252 - Ult |
| 1994                      | 1.696              | 1.174              | 1.074                  | 1.027                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000     | 1.000     | 1.000     | 1.000     | 1.000     | 1.000     |           |
| 1995                      | 2.475              | 1.298              | 1.026                  | 1.075                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000     | 1.000     | 1.000     | 1.000     | 1.000     |           |           |
| 1996                      | 2.386              | 1.257              | 1.185                  | 1.030                  | 0.977                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000     | 1.000     | 1.000     | 1.000     |           |           |           |
| 1997                      | 1.771              | 1.294              | 1.056                  | 1.035                  | 1.007                  | 1.007                  | 1.007                  | 0.999                  | 1.003                  | 1.002                  | 1.002                  | 1.007                  | 1.003                  | 1.003                  | 1.004     | 1.003     | 1.004     |           |           |           |           |
| 1998                      | 1.991              | 1.242              | 1.092                  | 1.033                  | 1.051                  | 1.058                  | 1.083                  | 1.020                  | 1.013                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000     | 1.000     |           |           |           |           |           |
| 1999                      | 1.902              | 1.302              | 1.127                  | 1.033                  | 1.026                  | 1.012                  | 1.009                  | 1.045                  | 1.041                  | 1.002                  | 1.001                  | 1.001                  | 1.001                  | 1.003                  | 1.004     |           |           |           |           |           |           |
| 2000                      | 2.052              | 1.345              | 1.070                  | 1.081                  | 1.011                  | 1.013                  | 1.027                  | 1.011                  | 1.012                  | 1.048                  | 1.058                  | 1.002                  | 1.002                  | 1.005                  |           |           |           |           |           |           |           |
| 2001                      | 2.101              | 1.100              | 1.119                  | 1.001                  | 1.001                  | 1.001                  | 0.988                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  |                        |           |           |           |           |           |           |           |
| 2002                      | 1.715              | 1.171              | 1.012                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  | 1.000                  |                        |                        |           |           |           |           |           |           |           |
| 2003                      | 1.516              | 1.048              | 1.007                  | 1.036                  | 1.000                  | 1.003                  | 1.009                  | 1.004                  | 1.000                  | 1.000                  | 1.000                  |                        |                        |                        |           |           |           |           |           |           |           |
| 2004                      | 1.985              | 1.250              | 1.076                  | 1.070                  | 1.014                  | 1.006                  | 1.001                  | 1.004                  | 1.032                  | 1.005                  |                        |                        |                        |                        |           |           |           |           |           |           |           |
| 2005                      | 2.090              | 1.145              | 1.071                  | 1.068                  | 1.030                  | 1.044                  | 1.032                  | 1.007                  | 1.021                  |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| 2006                      | 2.198              | 1.156              | 1.075                  | 1.058                  | 1.039                  | 1.006                  | 1.037                  | 1.004                  |                        |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| 2007<br>2008              | 2.521<br>2.089     | 1.149<br>1.151     | 1.031<br>1.068         | 1.074<br>1.046         | 1.037<br>1.013         | 1.017<br>1.016         | 1.039                  |                        |                        |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| 2008                      | 2.069              | 1.157              | 1.062                  | 1.046                  | 1.013                  | 1.016                  |                        |                        |                        |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| 2010                      | 2.039              | 1.333              | 1.114                  | 1.055                  | 1.021                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| 2010                      | 1.799              | 1.148              | 1.249                  | 1.000                  |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| 2012                      | 1.768              | 1.162              | 1.2.10                 |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| 2013                      | 2.201              |                    |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
|                           |                    | 1 0 40             | 1 101                  | 4.047                  | 4 000                  | 1 040                  | 1.040                  | 1 101                  | . 06 1111              |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| ICCI Kansas               | 2.125              | 1.249              | 1.104<br>1.125         | 1.047                  | 1.029<br>1.043         | 1.019                  | 1.016                  |                        | < 96 - Ult             |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| CCI Countrywide<br>verage | 2.150<br>2.023     | 1.270<br>1.204     | 1.125                  | 1.069<br>1.047         | 1.043                  | 1.029<br>1.012         | 1.021<br>1.017         | 1.182                  | 1.010                  | 1.005                  | 1.006                  | 1.001                  | 1.001                  | 1.002                  | 1.001     | 1.001     | 1.001     | 1.000     | 1.000     | 1.000     |           |
| verage<br>verage x H/L    | 2.023              | 1.204              | 1.064                  | 1.047                  | 1.014                  | 1.012                  | 1.017                  | 1.007                  | 1.010                  | 1.003                  | 1.000                  | 1.001                  | 1.001                  | 1.002                  | 1.001     | 1.001     | 1.001     | 1.000     | 1.000     | 1.000     |           |
| /td Average               | 2.024              | 1.194              | 1.079                  | 1.046                  | 1.014                  | 1.015                  | 1.013                  | 1.005                  | 1.008                  | 1.001                  | 1.000                  | 1.000                  | 1.001                  | 1.001                  | 1.001     | 1.000     | 1.000     | 1.000     | 1.000     | 1.000     |           |
| •                         |                    |                    |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |           |           |           |           |           |           |           |
| elect for 94-03*          | 2.004              | 1.194              | 1.083                  | 1.052                  | 1.018                  | 1.015                  | 1.020                  | 1.007                  | 1.005                  | 1.003                  | 1.002                  | 1.001                  | 1.001                  | 1.001                  | 1.001     | 1.001     | 1.001     | 1.001     | 1.001     | 1.001     |           |
| 4-03 Cumulative           | 3.002              | 1.498              | 1.255                  | 1.159                  | 1.102                  | 1.083                  | 1.067                  | 1.046                  | 1.039                  | 1.034                  | 1.031                  | 1.029                  | 1.028                  | 1.027                  | 1.026     | 1.025     | 1.024     | 1.023     | 1.022     | 1.021     | 1.020     |
| elect for 04-14**         | 2.004              | 1.194              | 1.083                  | 1.052                  | 1.018                  | 1.015                  | 1.020                  | 1.007                  | 1.005                  | 1.003                  | 1.002                  | 1.001                  | 1.001                  | 1.001                  | 1.001     | 1.001     | 1.001     | 1.001     | 1.001     | 1.001     |           |
| 4-14 Cumulative           | 3.048              | 1.521              | 1.274                  | 1.176                  | 1.118                  | 1.098                  | 1.082                  | 1.061                  | 1.054                  | 1.049                  | 1.046                  | 1.044                  | 1.043                  | 1.042                  | 1.041     | 1.040     | 1.039     | 1.038     | 1.037     | 1.036     | 1.035     |

<sup>\*</sup> Years with SIRs of \$250,000 or \$300,000. \*\* Years with SIRs of \$500,000 or \$750,000.

# Workers' Compensation Net Ultimate Medical & Indemnity Loss & ALAE Indications Paid Loss Development Projection Evaluation as of 12/31/14

|          |             | (1)          | (2)             | (3)             | (4)        | (5) = $[(1)-(2)]x(4)+(3)$ |
|----------|-------------|--------------|-----------------|-----------------|------------|---------------------------|
|          |             | Paid Loss    | Paid            | Incurred        |            | Indicated                 |
| Accident | Months of   | & ALAE       | Large Loss &    | Large Loss &    | Cumulative | Ultimate Loss             |
| Year     | Development | @12/31/14    | ALAE Adjustment | ALAE Adjustment | Paid LDF*  | & ALAE**                  |
| 1994     | 252         | \$742,241    | \$0             | \$0             | 1.020      | \$757,086                 |
| 1995     | 240         | 1,103,496    | 0               | 0               | 1.021      | 1,126,669                 |
| 1996     | 228         | 836,631      | 0               | 0               | 1.022      | 855,037                   |
| 1997     | 216         | 1,843,278    | 0               | 0               | 1.023      | 1,885,673                 |
| 1998     | 204         | 1,328,631    | 0               | 0               | 1.024      | 1,360,518                 |
| 1999     | 192         | 1,652,182    | 0               | 0               | 1.025      | 1,693,487                 |
| 2000     | 180         | 1,561,239    | 0               | 0               | 1.026      | 1,601,831                 |
| 2001     | 168         | 1,180,293    | 0               | 0               | 1.027      | 1,212,161                 |
| 2002     | 156         | 1,340,826    | 0               | 0               | 1.028      | 1,378,369                 |
| 2003     | 144         | 1,623,367    | 0               | 0               | 1.029      | 1,670,445                 |
| 2004     | 132         | 2,393,750    | 0               | 0               | 1.046      | 2,503,863                 |
| 2005     | 120         | 3,839,629    | 499,925         | 499,925         | 1.049      | 4,003,274                 |
| 2006     | 108         | 2,749,626    | 0               | 0               | 1.054      | 2,898,106                 |
| 2007     | 96          | 2,768,556    | 0               | 0               | 1.061      | 2,937,438                 |
| 2008     | 84          | 3,294,839    | 0               | 0               | 1.082      | 3,565,016                 |
| 2009     | 72          | 2,143,884    | 0               | 0               | 1.098      | 2,353,985                 |
| 2010     | 60          | 3,596,993    | 0               | 0               | 1.118      | 4,021,438                 |
| 2011     | 48          | 2,383,873    | 0               | 0               | 1.176      | 2,803,435                 |
| 2012     | 36          | 1,633,737    | 0               | 0               | 1.274      | 2,081,381                 |
| 2013     | 24          | 1,493,185    | 0               | 0               | 1.521      | 2,271,134                 |
| 2014     | 12          | 1,390,345    | 539,186         | 745,000         | 3.048      | 3,339,333                 |
| Total    |             | \$40,900,601 | \$1,039,111     | \$1,244,925     |            | \$46,319,679              |

<sup>\*</sup> Based on KMIT loss history supplemented with NCCI Statistical Bulletin information.

<sup>\*\*</sup> The large claims in 2005 & 2014 were not developed.

# Workers' Compensation Net Ultimate Medical & Indemnity Loss & ALAE Indications Incurred Bornhuetter - Ferguson Projection Method Evaluation as of 12/31/14

|                  |                          | (1)                                     | (2)                          | (3)                           | (4)<br>=[(1)-(2)]x[1-1/(3)] | (5)                                  | (6)<br>= (4) + (5)             |
|------------------|--------------------------|---|------------------------------|-------------------------------|-----------------------------|--------------------------------------|--------------------------------|
| Accident<br>Year | Months of<br>Development | A' Priori<br>Ultimate<br>Losses & ALAE* | Large Loss & ALAE Adjustment | Incurred<br>Cumulative<br>LDF | IBNR**                      | Incurred Loss<br>& ALAE<br>@12/31/14 | Indicated Ultimate Loss & ALAE |
| 1994             | 252                      | \$742,241                               | \$0                          | 1.005                         | \$3,693                     | \$742,241                            | \$745,934                      |
| 1995             | 240                      | 1,103,496                               | 0                            | 1.005                         | 5,490                       | 1,103,496                            | 1,108,986                      |
| 1996             | 228                      | 836,631                                 | 0                            | 1.005                         | 4,162                       | 836,631                              | 840,793                        |
| 1997             | 216                      | 1,896,890                               | 0                            | 1.005                         | 9,437                       | 1,896,890                            | 1,906,327                      |
| 1998             | 204                      | 1,328,631                               | 0                            | 1.005                         | 6,610                       | 1,328,631                            | 1,335,241                      |
| 1999             | 192                      | 1,651,612                               | 0                            | 1.005                         | 8,217                       | 1,661,521                            | 1,669,738                      |
| 2000             | 180                      | 1,590,103                               | 0                            | 1.005                         | 7,911                       | 1,580,775                            | 1,588,686                      |
| 2001             | 168                      | 1,180,293                               | 0                            | 1.005                         | 5,872                       | 1,180,293                            | 1,186,165                      |
| 2002             | 156                      | 1,340,826                               | 0                            | 1.005                         | 6,671                       | 1,340,826                            | 1,347,497                      |
| 2003             | 144                      | 1,656,261                               | 0                            | 1.006                         | 9,878                       | 1,623,367                            | 1,633,245                      |
| 2004             | 132                      | 2,491,091                               | 0                            | 1.022                         | 53,624                      | 2,436,741                            | 2,490,365                      |
| 2005             | 120                      | 3,976,732                               | 499,925                      | 1.024                         | 81,488                      | 3,896,316                            | 3,977,804                      |
| 2006             | 108                      | 2,928,462                               | 0                            | 1.028                         | 79,764                      | 2,829,037                            | 2,908,801                      |
| 2007             | 96                       | 2,979,305                               | 0                            | 1.036                         | 103,528                     | 2,960,162                            | 3,063,690                      |
| 2008             | 84                       | 3,671,271                               | 0                            | 1.054                         | 188,092                     | 3,480,497                            | 3,668,589                      |
| 2009             | 72                       | 2,385,502                               | 0                            | 1.070                         | 156,061                     | 2,190,325                            | 2,346,386                      |
| 2010             | 60                       | 4,014,291                               | 0                            | 1.079                         | 293,910                     | 3,813,725                            | 4,107,635                      |
| 2011             | 48                       | 2,714,658                               | 0                            | 1.108                         | 264,606                     | 2,812,895                            | 3,077,501                      |
| 2012             | 36                       | 2,214,285                               | 0                            | 1.147                         | 283,784                     | 1,766,421                            | 2,050,205                      |
| 2013             | 24                       | 3,076,319                               | 0                            | 1.209                         | 531,804                     | 1,723,903                            | 2,255,707                      |
| 2014             | 12                       | 4,034,098                               | 745,000                      | 1.637                         | 1,279,875                   | 2,563,324                            | 3,843,199                      |
| Total            |                          | \$47,812,998                            | \$1,244,925                  |                               | \$3,384,477                 | \$43,768,017                         | \$47,152,494                   |

<sup>\*</sup> The A'Priori Ultimate Losses & ALAE are based on Milliman's 12/31/13 analysis.

<sup>\*\*</sup> No additional IBNR has been included for the large claims in 2005 & 2014.

# Workers' Compensation Net Ultimate Medical & Indemnity Loss & ALAE Indications Paid Bornhuetter - Ferguson Projection Method Evaluation as of 12/31/14

|          |             | (1)            | (2)             | (3)        | (4)<br>=[(1)-(2)]x[1-1/(3)] | (5)          | (6) = (4) + (5) |
|----------|-------------|----------------|-----------------|------------|-----------------------------|--------------|-----------------|
|          |             | A' Priori      |                 | Paid       |                             | Paid Loss    | Indicated       |
| Accident | Months of   | Ultimate       | Large Loss &    | Cumulative |                             | & ALAE       | Ultimate Loss   |
| Year     | Development | Losses & ALAE* | ALAE Adjustment | LDF        | Unpaid**                    | @12/31/14    | & ALAE          |
| 1994     | 252         | \$742,241      | \$0             | 1.020      | \$14,554                    | \$742,241    | \$756,795       |
| 1995     | 240         | 1,103,496      | 0               | 1.021      | 22,697                      | 1,103,496    | 1,126,193       |
| 1996     | 228         | 836,631        | 0               | 1.022      | 18,010                      | 836,631      | 854,641         |
| 1997     | 216         | 1,896,890      | 0               | 1.023      | 42,648                      | 1,843,278    | 1,885,926       |
| 1998     | 204         | 1,328,631      | 0               | 1.024      | 31,140                      | 1,328,631    | 1,359,771       |
| 1999     | 192         | 1,651,612      | 0               | 1.025      | 40,283                      | 1,652,182    | 1,692,465       |
| 2000     | 180         | 1,590,103      | 0               | 1.026      | 40,295                      | 1,561,239    | 1,601,534       |
| 2001     | 168         | 1,180,293      | 0               | 1.027      | 31,030                      | 1,180,293    | 1,211,323       |
| 2002     | 156         | 1,340,826      | 0               | 1.028      | 36,521                      | 1,340,826    | 1,377,347       |
| 2003     | 144         | 1,656,261      | 0               | 1.029      | 46,678                      | 1,623,367    | 1,670,045       |
| 2004     | 132         | 2,491,091      | 0               | 1.046      | 109,551                     | 2,393,750    | 2,503,301       |
| 2005     | 120         | 3,976,732      | 499,925         | 1.049      | 162,406                     | 3,839,629    | 4,002,035       |
| 2006     | 108         | 2,928,462      | 0               | 1.054      | 150,035                     | 2,749,626    | 2,899,661       |
| 2007     | 96          | 2,979,305      | 0               | 1.061      | 171,289                     | 2,768,556    | 2,939,845       |
| 2008     | 84          | 3,671,271      | 0               | 1.082      | 278,229                     | 3,294,839    | 3,573,068       |
| 2009     | 72          | 2,385,502      | 0               | 1.098      | 212,914                     | 2,143,884    | 2,356,798       |
| 2010     | 60          | 4,014,291      | 0               | 1.118      | 423,691                     | 3,596,993    | 4,020,684       |
| 2011     | 48          | 2,714,658      | 0               | 1.176      | 406,275                     | 2,383,873    | 2,790,148       |
| 2012     | 36          | 2,214,285      | 0               | 1.274      | 476,228                     | 1,633,737    | 2,109,965       |
| 2013     | 24          | 3,076,319      | 0               | 1.521      | 1,053,756                   | 1,493,185    | 2,546,941       |
| 2014     | 12          | 4,034,098      | 539,186         | 3.048      | 2,348,287                   | 1,390,345    | 3,944,446       |
| Total    |             | \$47,812,998   | \$1,039,111     |            | \$6,116,517                 | \$40,900,601 | \$47,222,932    |

<sup>\*</sup> The A'Priori Ultimate Losses & ALAE are based on Milliman's 12/31/13 analysis.

<sup>\*\*</sup> No additional unpaid has been included for the large claims in 2005 & 2014. The incurred amount for these claims has been included.

## Workers' Compensation Selection of Medical & Indemnity Net Ultimate Loss & ALAE Evaluation as of 12/31/14

|          | (1)          | (2)          | (3)              | (4)            | (5)          | (6)          | (7)         | (8)<br>=Min [(6), (7)] |
|----------|--------------|--------------|------------------|----------------|--------------|--------------|-------------|------------------------|
|          | Incurred     |              | Itimate Loss and | I ALAE Based o |              | Selected     |             | Selected<br>Ultimate   |
|          | Loss &       | Incurred     | Paid             | Incurred       | Paid         | Ultimate     |             | Loss & ALAE            |
| Accident | ALAE         | Development  | Development      | Born-Ferg      | Born-Ferg    | Loss &       | Aggregate   | Limited to             |
| Year     | @12/31/14    | Method       | Method           | Method         | Method       | ALAE*        | Retention** | Aggregate              |
| 1994     | \$742,241    | \$745,952    | \$757,086        | \$745,934      | \$756,795    | \$742,241    | N/A         | \$742,241              |
| 1995     | 1,103,496    | 1,109,013    | 1,126,669        | 1,108,986      | 1,126,193    | 1,103,496    | N/A         | 1,103,496              |
| 1996     | 836,631      | 840,814      | 855,037          | 840,793        | 854,641      | 836,631      | \$1,796,589 | 836,631                |
| 1997     | 1,896,890    | 1,906,374    | 1,885,673        | 1,906,327      | 1,885,926    | 1,896,890    | 1,543,031   | 1,543,031              |
| 1998     | 1,328,631    | 1,335,274    | 1,360,518        | 1,335,241      | 1,359,771    | 1,328,631    | 1,472,773   | 1,328,631              |
| 1999     | 1,661,521    | 1,669,829    | 1,693,487        | 1,669,738      | 1,692,465    | 1,661,521    | 1,540,262   | 1,540,262              |
| 2000     | 1,580,775    | 1,588,679    | 1,601,831        | 1,588,686      | 1,601,534    | 1,592,966    | 1,702,335   | 1,592,966              |
| 2001     | 1,180,293    | 1,186,194    | 1,212,161        | 1,186,165      | 1,211,323    | 1,180,293    | 2,045,088   | 1,180,293              |
| 2002     | 1,340,826    | 1,347,530    | 1,378,369        | 1,347,497      | 1,377,347    | 1,340,826    | 2,720,504   | 1,340,826              |
| 2003     | 1,623,367    | 1,633,107    | 1,670,445        | 1,633,245      | 1,670,045    | 1,623,367    | 3,218,926   | 1,623,367              |
| 2004     | 2,436,741    | 2,490,349    | 2,503,863        | 2,490,365      | 2,503,301    | 2,494,672    | 4,544,300   | 2,494,672              |
| 2005     | 3,896,316    | 3,977,829    | 4,003,274        | 3,977,804      | 4,002,035    | 3,985,889    | 5,602,842   | 3,985,889              |
| 2006     | 2,829,037    | 2,908,250    | 2,898,106        | 2,908,801      | 2,899,661    | 2,905,571    | 4,978,483   | 2,905,571              |
| 2007     | 2,960,162    | 3,066,728    | 2,937,438        | 3,063,690      | 2,939,845    | 3,065,209    | 4,920,798   | 3,065,209              |
| 2008     | 3,480,497    | 3,668,444    | 3,565,016        | 3,668,589      | 3,573,068    | 3,636,700    | 5,448,469   | 3,636,700              |
| 2009     | 2,190,325    | 2,343,648    | 2,353,985        | 2,346,386      | 2,356,798    | 2,348,944    | 5,503,943   | 2,348,944              |
| 2010     | 3,813,725    | 4,115,009    | 4,021,438        | 4,107,635      | 4,020,684    | 4,081,109    | 5,517,871   | 4,081,109              |
| 2011     | 2,812,895    | 3,116,688    | 2,803,435        | 3,077,501      | 2,790,148    | 3,097,095    | 5,397,530   | 3,097,095              |
| 2012     | 1,766,421    | 2,026,085    | 2,081,381        | 2,050,205      | 2,109,965    | 2,062,085    | 5,619,072   | 2,062,085              |
| 2013     | 1,723,903    | 2,084,199    | 2,271,134        | 2,255,707      | 2,546,941    | 2,295,616    | 6,047,177   | 2,295,616              |
| 2014     | 2,563,324    | 3,721,596    | 3,339,333        | 3,843,199      | 3,944,446    | 3,893,823    | 6,986,185   | 3,893,823              |
| Total    | \$43,768,017 | \$46,881,591 | \$46,319,679     | \$47,152,494   | \$47,222,932 | \$47,173,575 |             | \$46,698,457           |

<sup>\*</sup> Gross of Aggregate Excess Coverage; Net of Specific Excess Coverage.

<sup>\*\*</sup> The Aggregate Retention for 1994 and 1995 is \$2,376,391 on a combined basis.

## Workers' Compensation Calculation of Medical & Indemnity Net Unpaid Loss & ALAE Evaluation as of 12/31/14

|                  | (1)                          | (2)                          | (3)                      | (4) = (2) - (3)      | (5)<br>= (1) - (2) | (6) = (4) + (5)              |
|------------------|------------------------------|------------------------------|--------------------------|----------------------|--------------------|------------------------------|
| Accident<br>Year | Net Ultimate<br>Loss & ALAE* | Net Incurred<br>Loss & ALAE* | Net Paid<br>Loss & ALAE* | Net Case<br>Reserves | Net IBNR**         | Total Net Unpaid Loss & ALAE |
| 1994             | \$742,241                    | \$742,241                    | \$742,241                | \$0                  | \$0                | \$0                          |
| 1995             | 1,103,496                    | 1,103,496                    | 1,103,496                | 0                    | 0                  | 0                            |
| 1996             | 836,631                      | 836,631                      | 836,631                  | 0                    | 0                  | 0                            |
| 1997             | 1,543,031                    | 1,601,759                    | 1,548,147                | 53,612               | (58,728)           | (5,116)                      |
| 1998             | 1,328,631                    | 1,328,631                    | 1,328,631                | 0                    | 0                  | 0                            |
| 1999             | 1,540,262                    | 1,554,387                    | 1,545,048                | 9,339                | (14,125)           | (4,786)                      |
| 2000             | 1,592,966                    | 1,580,775                    | 1,561,239                | 19,536               | 12,191             | 31,727                       |
| 2001             | 1,180,293                    | 1,180,293                    | 1,180,293                | 0                    | 0                  | 0                            |
| 2002             | 1,340,826                    | 1,340,826                    | 1,340,826                | 0                    | 0                  | 0                            |
| 2003             | 1,623,367                    | 1,623,367                    | 1,623,367                | 0                    | 0                  | 0                            |
| 2004             | 2,494,672                    | 2,436,741                    | 2,393,750                | 42,991               | 57,931             | 100,922                      |
| 2005             | 3,985,889                    | 3,896,316                    | 3,839,629                | 56,687               | 89,573             | 146,260                      |
| 2006             | 2,905,571                    | 2,829,037                    | 2,749,626                | 79,411               | 76,534             | 155,945                      |
| 2007             | 3,065,209                    | 2,960,162                    | 2,768,556                | 191,606              | 105,047            | 296,653                      |
| 2008             | 3,636,700                    | 3,480,497                    | 3,294,839                | 185,658              | 156,203            | 341,861                      |
| 2009             | 2,348,944                    | 2,190,325                    | 2,143,884                | 46,441               | 158,619            | 205,060                      |
| 2010             | 4,081,109                    | 3,813,725                    | 3,596,993                | 216,732              | 267,384            | 484,116                      |
| 2011             | 3,097,095                    | 2,812,895                    | 2,383,873                | 429,022              | 284,200            | 713,222                      |
| 2012             | 2,062,085                    | 1,766,421                    | 1,633,737                | 132,684              | 295,664            | 428,348                      |
| 2013             | 2,295,616                    | 1,723,903                    | 1,493,185                | 230,718              | 571,713            | 802,431                      |
| 2014             | 3,893,823                    | 2,563,324                    | 1,390,345                | 1,172,979            | 1,330,499          | 2,503,478                    |
| Total            | \$46,698,457                 | \$43,365,752                 | \$40,498,336             | \$2,867,416          | \$3,332,705        | \$6,200,121                  |

<sup>\*</sup> Net of Aggregate Excess Coverage; Net of Specific Excess Coverage.

<sup>\*\*</sup> For the 1997 and 1999 years, incurred and paid losses exceed the aggregate retention.

Ultimately KMIT should recover losses excess of the aggregate retention from Safety National.

## Workers' Compensation Projected 2015 Ultimate Loss & ALAE

|   | (1)                                     | (2)                 | (3)             | (4)   | (5)                                   | (6)   | (7)<br>(3)x(4)x(5)x(6)                      |
|---|---|---------------------|-----------------|---|---------------------------------------|---|---|
| Accident<br>Year  | Ultimate Loss & ALAE Gross of Aggregate | Payroll<br>(\$00's) | Pure<br>Premium | Increased<br>Limits Factor<br>to \$750,000* | Benefit Level<br>Adjustment<br>Factor | Trend<br>Factor**                                     | Trended Pure Premium at \$750,000 Retention |
| 2006  | \$2,905,571                             | \$1,399,227         | \$2.08          | 1.000                                       | 1.055                                 | 1.14  | \$2.50                                      |
| 2007  | 3,065,209                               | 1,485,167           | 2.06            | 1.000                                       | 1.047                                 | 1.13  | 2.44  |
| 2008  | 3,636,700                               | 1,588,854           | 2.29            | 1.000                                       | 1.023                                 | 1.11  | 2.60  |
| 2009  | 2,348,944                               | 1,594,082           | 1.47            | 1.000                                       | 1.018                                 | 1.09  | 1.63  |
| 2010  | 4,081,109                               | 1,606,836           | 2.54            | 1.000                                       | 1.027                                 | 1.08  | 2.82  |
| 2011  | 3,097,095                               | 1,534,033           | 2.02            | 1.000                                       | 1.021                                 | 1.06  | 2.19  |
| 2012  | 2,062,085                               | 1,596,327           | 1.29            | 1.000                                       | 1.016                                 | 1.05  | 1.38  |
| 2013  | 2,295,616                               | 1,717,948           | 1.34            | 1.000                                       | 1.010                                 | 1.03  | 1.39  |
| 2014  | 3,893,823                               | 1,984,712           | 1.96            | 1.000                                       | 1.000                                 | 1.02  | 2.00  |
| Total   | \$27,386,152                            | \$14,507,186        | \$1.89          |   |                                       | Weighted Average<br>Avg M3L5<br>Avg L5<br>NCCI Kansas | \$2.09<br>1.86<br>1.96<br>1.94              |
| (8)   | 2015 Selected Ne                        | t Pure Premium      |                 |   |                                       |   | \$2.00                                      |
| (9)   |   |                     |                 |   |                                       |   |   |
| (10) = (8) x (9) Estimated KMIT 2015 Ultimate Losses and ALAE (Prior to Aggregate Excess Insurance)               |   |                     |                 |   |                                       |   | \$3,995,282                                 |
| (11) Aggregate Retention Factor for 2015  |   |                     |                 |   |                                       |   | 0.97  |
| (12) = (10) x (11) Estimated KMIT 2015 Ultimate Losses and ALAE (Limited to Aggregate Retention)                  |   |                     |                 |   |                                       |   | \$3,875,424                                 |
| (13) Discount Factor at 0.69%   |   |                     |                 |   |                                       |   | 0.984                                       |
| (14) = (12) x (13) Present Value of Estimated KMIT 2015 Ultimate Losses and ALAE (Limited to Aggregate Retention) |   |                     |                 |   |                                       |   | \$3,813,417                                 |

<sup>\*</sup> Based on Kansas NCCI Filing.

<sup>\*\*</sup> Trended at 1.5% per year.

## Workers' Compensation Calculation of the On-Level Benefit Level Factors For the Pure Premium Method

| Date     | Incremental<br>Benefit Level<br>Change* | Cumulative<br>Benefit Level<br>Change | Accident<br>Year | Average<br>Benefit Level | Anticipated<br>Benefit Level<br>Factor to 2015 |
|----------|---|---------------------------------------|------------------|--------------------------|--|
| 07/01/93 | 0.889                                   | 0.889                                 | 2006             | 1.005                    | 1.055  |
| 07/01/93 | 1.009                                   | 0.897                                 | 2007             | 1.013                    | 1.047  |
| 11/01/93 | 0.981                                   | 0.880                                 | 2008             | 1.036                    | 1.023  |
| 07/01/94 | 1.004                                   | 0.883                                 | 2009             | 1.042                    | 1.018  |
| 07/01/95 | 1.004                                   | 0.887                                 | 2010             | 1.033                    | 1.027  |
| 05/01/96 | 1.024                                   | 0.908                                 | 2011             | 1.039                    | 1.021  |
| 07/01/96 | 1.007                                   | 0.915                                 | 2012             | 1.043                    | 1.016  |
| 07/01/97 | 1.007                                   | 0.921                                 | Estimated 2013   | 1.050                    | 1.010  |
| 09/01/97 | 0.985                                   | 0.907                                 | Estimated 2014   | 1.060                    | 1.000  |
| 07/01/98 | 1.008                                   | 0.915                                 | Estimated 2015   | 1.060                    | 1.000  |
| 07/01/99 | 1.008                                   | 0.922                                 |                  |                          |  |
| 10/01/99 | 1.012                                   | 0.933                                 |                  |                          |  |
| 07/01/00 | 1.010                                   | 0.942                                 |                  |                          |  |
| 07/01/00 | 1.008                                   | 0.950                                 |                  |                          |  |
| 07/01/01 | 1.007                                   | 0.956                                 |                  |                          |  |
| 12/01/01 | 1.023                                   | 0.978                                 |                  |                          |  |
| 07/01/02 | 1.006                                   | 0.984                                 |                  |                          |  |
| 07/01/03 | 1.004                                   | 0.988                                 |                  |                          |  |
| 12/01/03 | 0.993                                   | 0.981                                 |                  |                          |  |
| 07/01/04 | 1.004                                   | 0.985                                 |                  |                          |  |
| 07/01/05 | 1.005                                   | 0.990                                 |                  |                          |  |
| 12/01/05 | 1.012                                   | 1.002                                 |                  |                          |  |
| 07/01/06 | 1.005                                   | 1.007                                 |                  |                          |  |
| 07/01/07 | 1.009                                   | 1.016                                 |                  |                          |  |
| 12/01/07 | 1.018                                   | 1.034                                 |                  |                          |  |
| 07/01/08 | 1.004                                   | 1.039                                 |                  |                          |  |
| 07/01/09 | 1.006                                   | 1.045                                 |                  |                          |  |
| 01/01/10 | 0.985                                   | 1.029                                 |                  |                          |  |
| 07/01/10 | 1.007                                   | 1.036                                 |                  |                          |  |
| 01/01/11 | 1.006                                   | 1.042                                 |                  |                          |  |
| 05/15/11 | 0.994                                   | 1.036                                 |                  |                          |  |
| 01/01/12 | 1.007                                   | 1.043                                 |                  |                          |  |
| 01/01/13 | 1.006                                   | 1.050                                 |                  |                          |  |
| 01/01/14 | 1.010                                   | 1.060                                 |                  |                          |  |

<sup>\*</sup> Source: 2014 NCCI Annual Statistical Bulletin.

### Workers' Compensation Selection of Payment Pattern Based on Selected Paid LDFs

| (1)         | (2)                                 | (3)                                 | (4)<br>= 1 / (2)                  | (5)<br>= 1 / (3)                  | (6)                 |
|-------------|-------------------------------------|-------------------------------------|-----------------------------------|-----------------------------------|---------------------|
| Month of    | 1994-2003<br>Selected<br>Cumulative | 2004-2014<br>Selected<br>Cumulative | 1994-2003<br>Indicated<br>Payment | 2004-2014<br>Indicated<br>Payment | Selected<br>Payment |
| Development | Paid LDF*                           | Paid LDF*                           | Pattern                           | Pattern                           | Pattern             |
| 252         | 1.020                               | 1.035                               | 98.0%                             | 96.6%                             | 100.0%              |
| 240         | 1.021                               | 1.036                               | 97.9%                             | 96.5%                             | 100.0%              |
| 228         | 1.022                               | 1.037                               | 97.8%                             | 96.4%                             | 100.0%              |
| 216         | 1.023                               | 1.038                               | 97.8%                             | 96.3%                             | 100.0%              |
| 204         | 1.024                               | 1.039                               | 97.7%                             | 96.2%                             | 100.0%              |
| 192         | 1.025                               | 1.040                               | 97.6%                             | 96.2%                             | 100.0%              |
| 180         | 1.026                               | 1.041                               | 97.5%                             | 96.1%                             | 99.5%               |
| 168         | 1.027                               | 1.042                               | 97.4%                             | 96.0%                             | 99.0%               |
| 156         | 1.028                               | 1.043                               | 97.3%                             | 95.9%                             | 98.0%               |
| 144         | 1.029                               | 1.044                               | 97.2%                             | 95.8%                             | 97.0%               |
| 132         | 1.031                               | 1.046                               | 97.0%                             | 95.6%                             | 96.0%               |
| 120         | 1.034                               | 1.049                               | 96.7%                             | 95.3%                             | 95.0%               |
| 108         | 1.039                               | 1.054                               | 96.2%                             | 94.9%                             | 94.0%               |
| 96          | 1.046                               | 1.061                               | 95.6%                             | 94.3%                             | 93.0%               |
| 84          | 1.067                               | 1.082                               | 93.7%                             | 92.4%                             | 92.0%               |
| 72          | 1.083                               | 1.098                               | 92.3%                             | 91.1%                             | 91.0%               |
| 60          | 1.102                               | 1.118                               | 90.7%                             | 89.4%                             | 90.0%               |
| 48          | 1.159                               | 1.176                               | 86.3%                             | 85.0%                             | 85.0%               |
| 36          | 1.255                               | 1.274                               | 79.7%                             | 78.5%                             | 80.0%               |
| 24          | 1.498                               | 1.521                               | 66.8%                             | 65.7%                             | 65.0%               |
| 12          | 3.002                               | 3.048                               | 33.3%                             | 32.8%                             | 35.0%               |

<sup>\*</sup> Loss Development Factors are selected on Exhibit 4.

### Workers' Compensation Calculation of Discount Factor for 2015

| (1)                     | (2)                                  | (2)                          |  |
|-------------------------|--------------------------------------|------------------------------|--|
| Month of<br>Development | Selected Cumulative Payment Pattern* | Incremental Payment Pattern* | Discounted Incremental Payment Pattern** |
| 12                      | 35.0%                                | 35.0%                        | 34.9%                                    |
| 24                      | 65.0%                                | 30.0%                        | 29.7%                                    |
| 36                      | 80.0%                                | 15.0%                        | 14.7%                                    |
| 48                      | 85.0%                                | 5.0%                         | 4.9%                                     |
| 60                      | 90.0%                                | 5.0%                         | 4.9%                                     |
| 72                      | 91.0%                                | 1.0%                         | 1.0%                                     |
| 84                      | 92.0%                                | 1.0%                         | 1.0%                                     |
| 96                      | 93.0%                                | 1.0%                         | 1.0%                                     |
| 108                     | 94.0%                                | 1.0%                         | 0.9%                                     |
| 120                     | 95.0%                                | 1.0%                         | 0.9%                                     |
| 132                     | 96.0%                                | 1.0%                         | 0.9%                                     |
| 144                     | 97.0%                                | 1.0%                         | 0.9%                                     |
| 156                     | 98.0%                                | 1.0%                         | 0.9%                                     |
| 168                     | 99.0%                                | 1.0%                         | 0.9%                                     |
| 180                     | 99.5%                                | 0.5%                         | 0.5%                                     |
| 192                     | 100.0%                               | 0.5%                         | 0.5%                                     |
| 204                     | 100.0%                               | 0.0%                         | 0.0%                                     |
| 216                     | 100.0%                               | 0.0%                         | 0.0%                                     |
| 228                     | 100.0%                               | 0.0%                         | 0.0%                                     |
| 240                     | 100.0%                               | 0.0%                         | 0.0%                                     |
| 252                     | 100.0%                               | 0.0%                         | 0.0%                                     |
| Total                   |                                      | 100.0%                       | 98.4%                                    |

<sup>\*</sup> Columns (2) and (3) represent the projected payment pattern for a fund year at its inception.

<sup>\*\*</sup> Based on a 0.69% assumed yield as provided by KMIT.

# Workers' Compensation Projected 2015 Ultimate Loss & ALAE at Various Probability Levels Discounted at 0.69%

|                            | Gross of Aggre | regate Retention Limited to Aggregate R |              | egate Retention |
|----------------------------|----------------|---|--------------|-----------------|
| Probability                |                | Discounted                              |              | Discounted      |
| <u>Level</u>               | Undiscounted   | at 0.69%                                | Undiscounted | at 0.69%        |
|                            |                |   |              |                 |
| 95%                        | 9,269,054      | 9,120,749                               | 7,031,696    | 6,919,189       |
| 85%                        | 6,272,593      | 6,172,232                               | 6,084,416    | 5,987,065       |
| 75%                        | 5,034,055      | 4,953,510                               | 4,883,034    | 4,804,906       |
| 65%                        | 4,234,999      | 4,167,239                               | 4,107,949    | 4,042,222       |
| Actuarial Central Estimate | 3,995,282      | 3,931,357                               | 3,875,424    | 3,813,417       |