

LOSS COSTS – IMPLEMENTATION

DECEMBER 6, 2022

GENERAL LIABILITY

LI-GL-2022-312

MINNESOTA GENERAL LIABILITY ADVISORY PROSPECTIVE LOSS COST REVISION TO BE IMPLEMENTED; NEW FILING FORMAT

KEY MESSAGE

Revised overall prospective loss costs for -9.0% to be implemented.

BACKGROUND

In circular [LI-GL-2022-250](#), we provided you with information about the General Liability loss cost level experience review.

CONSIDERATION OF COVID-19

There will almost certainly be long-term behavioral, social and economic changes as a result of COVID-19. In anticipation of long-term behavioral, social and economic changes as a result of COVID-19, we expect, based on the information currently available, that those changes will have a material impact on prospective loss costs for certain risks. In this filing, the loss costs for several impacted OL&T classes have been adjusted to reflect these changes.

Additionally, due to the impact that the COVID-19 pandemic had on experience from March 2020 and beyond, we have included a fourth year of experience in calculating prospective loss costs level changes. We will continue to seek the appropriate balance between the 2020/2021 experience and the experience of other years used in the analyses to determine our prospective loss costs for future periods.

While there is still great uncertainty around COVID-19, the above referenced adjustments do not contemplate the possibility of the renewal of stay-at-home orders during the period in which the newly filed loss costs will be in effect. We have assumed that any recurrence of such extreme and unpredictable circumstances would generally be addressed, as appropriate, by individual carriers.

IMPORTANT NOTE

Change in Format

The loss cost filing has been restructured. The explanatory text, for all sections of the filing, appears first; all the exhibits are then grouped together and appear next; and the updated manual pages come last. We invite customers to share feedback on this revised format and suggestions for further enhancements by contacting the individuals listed in the “Contact Information” block.

The explanatory pages are in a Microsoft® Word document. The filing exhibits are presented in Microsoft® Excel spreadsheets. It should be noted that the excel exhibits found in this circular are for display purposes only (i.e., the exhibits do not contain the formulas that underly the calculations). We plan to introduce excel spreadsheets that include formulas in the future.

Refer to the attached explanatory material for complete details about the filing.

ISO ACTION

We are implementing GL-2022-BGL1, which presents a review of General Liability loss cost experience.

Refer to the attachment(s) for complete details.

SUPPLEMENTARY INFORMATION

We are including the following supplementary information:

- An Actuarial Analysis Supplement which provides discussion and analysis of pattern shifts in the data used to derive the advisory loss costs.
- The loss cost exhibits contained in this filing in a Microsoft® Excel workbook.

NOTE: This supplementary information is **not** part of the experience review document and, in states where we are making a filing, is **not** part of the filing.

EFFECTIVE DATE

We do not establish an effective date for Commercial General Liability loss cost revisions in this state. Each insurer that elects to utilize this revision is responsible for determining its own effective date.

IMPACT ON THE STATISTICAL REPORTING OF LOSS COST MULTIPLIER

For the purpose of reporting your company Loss Cost Multiplier under the CSP, as of May 1, 2023, the multiplier must be based on the relationship between your gross rates and the ISO advisory prospective loss costs contained in this circular.

COMPANY ACTION

You must independently determine the final rates you will use and the effective date of any rate change. If you decide to use our prospective loss costs to revise your rates, you are NOT required to file anything with the Insurance Department.

You must document your files in case the Insurance Department wishes to review the information at a later date. In all correspondence on this revision, you should refer to ISO Filing Number GL-2022-BGL1, NOT this circular number.

RATING SOFTWARE IMPACT

No new attributes are being introduced with this revision.

POLICYHOLDER NOTIFICATION

If you decide to implement this revision, you should check all applicable laws for the state(s) to which this revision applies, to determine whether or not a specific policyholder notice requirement may apply. Please note that circular [LI-CL-2022-006](#) contains the ISO Guide To Renewals With Changed Conditions For Commercial Lines, which is available only as a guide to assist participating companies in complying with various conditional renewal statutes or regulations, for the major commercial lines of insurance serviced by ISO. The information in the Guide does not necessarily reflect all requirements or exceptions that may apply, and it is not intended as a substitute for your review of all applicable statutes and regulations concerning policyholder notification.

REVISION DISTRIBUTION

We will issue a Notice to Manualholders with an edition date of 5-23 (or the earliest possible subsequent date), along with any new and/or revised manual pages.

REFERENCE(S)

- [LI-GL-2022-250](#) (10/03/2022) General Liability Basic Limit Experience For 2022 Group 4 Jurisdictions Reviewed By Staff
 - [LI-CL-2022-006](#) (02/22/2022) Revised Lead Time Requirements Listing
-

ATTACHMENT(S)

- GL-2022-BGL1
 - Actuarial Analysis Supplement
 - Manual Pages
 - Excel Workbook
-

FILES AVAILABLE FOR DOWNLOAD

To download all files associated with this circular, including attachments in the full circular PDF and/or any additional files not included in the PDF, search for the circular number on [ISOnet Circulars](#). Then click the Word/Excel link under the Full Circular column on the Search Results screen.

Please note that in some instances, not all files listed in the Attachment(s) block (if applicable) are included in the PDF.

DATA QUALITY

Statistical plan data reported to ISO is first processed through a system of rigorous automated data verification procedures so that only valid data would be used for ratemaking. Subsequent to this initial data submission review, additional analyses on the statistical plan data involving an even more customized data review for this line were performed by staff. During these processes, various data records were excluded from the review. The ISO staff responsible for this circular also reviewed the data for reasonableness.

ACKNOWLEDGMENT OF ACTUARIAL QUALIFICATIONS

The American Academy of Actuaries' "Qualification Standards for Actuaries Issuing Statements of Actuarial Opinion in the United States" requires that an actuary issuing a Statement of Actuarial Opinion should include an acknowledgment with the opinion that he/she has met the qualification standards of the AAA. ISO considers this loss cost review a Statement of Actuarial Opinion; therefore, we are including the following acknowledgment:

I, Ping Hsin Lee, am an Actuarial Associate for ISO, and I, Timothy J. McCarthy, am an Actuarial Product Director for Commercial Liability for ISO. We are jointly responsible for the content of this Statement of Actuarial Opinion. We are both members of the American Academy of Actuaries and we meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein.

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Callers outside the United States, Canada, and the Caribbean may contact us using our global toll-free number (International Access Code + 800 48977489). For information on all ISO products, visit us at www.verisk.com/iso. To keep abreast of the latest Insurance Lines Services updates, view www.verisk.com/ils.

MINNESOTA GL-2022-BGL1
BASIC LIMIT LOSS COST LEVEL
GENERAL LIABILITY OTHER THAN PROFESSIONAL
PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS
EXECUTIVE SUMMARY

PURPOSE

This document:

- revises current advisory prospective loss costs for Premises/Operations and Products/Completed Operations classes. These loss costs represent a -9.0% change from the current ISO loss costs. Please note that throughout this document the term loss costs means advisory prospective loss costs.
- provides the analyses used to derive these advisory loss costs.

DEFINITION OF
THE ISO
ADVISORY
PROSPECTIVE
LOSS COSTS

Advisory prospective loss costs in this document are the expected value of that portion of a rate that does not include provisions for expenses (other than loss adjustment expenses) or profit, and are based on historical aggregate losses and loss adjustment expenses adjusted through development to their ultimate value and projected through trending to a future point in time.

CONSIDERATION
OF COVID-19

In GL-2020-BGL1, loss costs for nine classifications were adjusted due to the anticipation of long-term behavioral, social and economic changes as a result of COVID-19. The expectation, based on the information currently available, was that those changes would have a material impact on prospective loss costs for certain risks. To reflect these changes, judgmentally selected adjustment factors were applied to the loss costs for those nine classes. These OL&T class specific COVID-19 adjustments are still being reflected in the loss costs within this document. Refer to Section D for details.

Additionally, due to the impact that the COVID-19 pandemic had on experience from March 2020 and beyond, we have included a fourth year of experience in calculating the statewide prospective loss costs level changes. In this review, equal weights have been assigned to each year of experience to determine the statewide indicated loss cost level changes for Premises/ Operations, Products and Local Products/Completed Operations. We will continue to seek the appropriate balance between the 2020/2021 experience and the experience of other years used in the analyses to determine our prospective loss costs for future periods.

Also, adjustment factors were applied to the exposure development factors for the latest accident year to reflect the reduced expected exposures for Local Products/Completed Operations and Products due to COVID-19 and the economic recession in 2020. The factors were determined by an analysis of historical experience and actuarial judgment. Refer to Section D for details.

While there is still great uncertainty around COVID-19, the above referenced adjustments do not contemplate the possibility of the renewal of stay-at-home orders during the period in which the newly filed loss costs will be in effect. We have assumed that any recurrence of such extreme and unpredictable circumstances would generally be addressed, as appropriate, by individual carriers.

LOSS COST
LEVEL CHANGES

The statewide advisory loss cost level changes are:

<u>SUBLINE</u>	<u>INDICATED</u>	<u>SELECTED</u>
M&C	-8.5%	-8.5%
OL&T	-2.2%	-2.2%
Premises/Operations	-5.6%	-5.6%
Products	-12.3%	-12.3%
Local Products/Completed Operations	-18.3%	-18.3%
Products/Completed Operations	-16.7%	-16.7%
GL Overall	-9.0%	-9.0%

The selected loss cost level changes reflect the effect of capping and buildback except for Products where the change is calculated by determining the effect, on state loss cost levels, of implementing multistate loss costs.

INDICATED
VS. SELECTED

Indicated changes are based on standard ISO methodology. The selected changes are equal to the indicated changes for all sublines .

CAPPING

In order to lessen the impact of swings in classification loss costs, this document contains upper and lower caps that take into account the size of the overall indications.

PRIOR ISO
REVISIONS

See Page ES-5 for the latest revisions in this jurisdiction.

CHANGE IN
FORMAT

In this document, all explanatory material appears first, then followed by all exhibits. Explanatory pages are numbered A-1 through D-5, the exhibits are labeled EXHIBIT A1 through EXHIBIT C23. The revised prospective loss costs are displayed in Exhibit A6.

CHANGE IN
ALAE
PROCEDURE IN
SEVERITY TREND

In this document, the procedure to determine the ultimate ALAE underlying the severity trend analysis has been revised to be consistent with the procedure used in ISO's General Liability loss development calculations. Specifically, "incremental ALAE percentages" are calculated by each 12 month evaluation period and summed. They are then multiplied by estimated ultimate paid \$500,000 limit indemnity losses for a given accident year and added to the reported paid ALAE to calculate the ultimate ALAE. Historically, the reported ALAE underlying the severity trend had been developed to ultimate using the traditional link ratio method.

INTRODUCTION
OF BASE CLASS
LOSS COSTS
AND CLASS
DIFFERENTIALS
FOR LOCAL
PRODUCTS/
COMPLETED
OPERATIONS

The procedure to calculate the proposed loss costs for Local Products/Completed Operations is being revised in this document. The revised procedure is the same procedure currently used in the calculation of the loss costs for Premises/Operations with adjustments to reflect that Local Products/Completed Operations loss costs are always calculated at the state level even if there are multiple territories. Prior to this filing, the Local Products/Completed Operations proposed loss costs were calculated using a Bayesian credibility procedure whose parameters were updated with each review. As part of the change in procedure in this document base class loss costs and class differentials for Local Products/Completed Operations are also being introduced.

HISTORICAL SOURCE DATA

The data used in this document is:

- ISO reporting companies' voluntary experience.
- Fiscal-accident year data through year ended 09/30/2021 for Premises/Operations.
- Calendar-accident year data through year ended 12/31/2020 for Products/Completed Operations.

Bodily Injury and Property Damage deductible data is included. Fringe losses (Coverage B) are also included.

ADJUSTMENTS TO REPORTED EXPERIENCE

The period of use for this revision is anticipated to begin on 5/1/2023. The Products/Completed Operations portion of this review uses a trend date of 7/1/2022 because of the multistate nature of the review. To adjust the loss and exposure data to levels expected to prevail during the period when the revised indications are assumed to be in effect, historical losses and exposures have been multiplied by trend factors. These trend factors are based on changes in cost, frequency and inflation sensitive exposure bases that are expected to arise between the historical experience period and the prospective period during which the revised loss costs will be in effect. For a summary of the selected annual trend factors, see Exhibits C7, C14 and C21.

For Premises/Operations, occurrence cost data and occurrence frequency data through 06/30/2021 were used in selecting annual trend factors. For Products/Completed Operations, occurrence cost data and occurrence frequency data through 12/31/2020 were used.

Note that although indications are computed on a Combined Single Limit basis, severity and frequency trends are applied separately for Bodily Injury and Property Damage. Also, separate exposure trends are applied to Owners, Landlords and Tenants class groups 1-13, OL&T class group 16, Manufacturers, Contractors, Products, Local Products and Completed Operations. Exposure trends are not applied to those OL&T classes, which do not have an inflation sensitive exposure base.

Standard actuarial procedures have been used in calculating the indications including adjusting the liability losses to ultimate settlement level and, for all coverages, reflecting all loss adjustment expenses. Indemnity and ALAE are being developed separately. Accident year exposures have been developed to reflect exposure audits.

In this review, multistate reported paid losses, ALAE, and occurrences have been developed to ultimate settlement level in the trend exhibits using paid development techniques. This has been done in the interest of stability of ultimate loss, ALAE and occurrence estimates from one review to another.

TEN
LARGEST
COMPANY
GROUPS IN
ISO
DATA
BASE

OTHER LIABILITY (ASLOB 17.0)

PRODUCTS LIABILITY (ASLOB 18.0)

1. Travelers Indemnity Co.	1. Chubb Group of Insurance Cos.
2. Chubb Group of Insurance Cos.	2. Zurich American Insurance Co.
3. Zurich American Insurance Co.	3. Fireman's Fund Insurance Co.
4. Continental Casualty Co.	4. Selective Insurance Group
5. Cincinnati Insurance Co.	5. Travelers Indemnity Co.
6. Western National Mutual Insurance Co.	6. Cincinnati Insurance Co.
7. Liberty Mutual Insurance Co.	7. Continental Casualty Co.
8. XL Specialty Insurance Co.	8. Liberty Mutual Insurance Co.
9. Great American Insurance Co.	9. United Fire & Casualty Co.
10. Federated Mutual Insurance Co.	10. Nationwide Mutual Insurance Co.

Insurers are listed in descending order based on the percent of written premium volume from Statutory Page 14 Data for the year ending 12/31/2020 for the Annual Statement Line of Business (ASLOB) indicated. ASLOB 17.0 is based on statewide written premium volume while ASLOB 18.0 is based on multistate written premium volume.

SIZE
OF
ISO
DATA
BASE

While we are unable to specifically determine the market share of ISO reporting company groups separately for the classes contained in this document, we believe that a comparison of Statutory Page 14 data for ISO reporting company groups to industrywide Statutory Page 14 data is a reasonable approximation of a market share for these lines.

The market share of ISO participating insurers as measured by Statutory Page 14 Written Premium for the year ending 12/31/2020 is:

Statewide - Other Liability (ASLOB 17.0)	32.9 %
Multistate - Products Liability (ASLOB 18.0)	40.1 %

COMPANY
DECISION

We encourage each insurer to decide independently whether the judgments made and the procedures or data used by ISO in developing the indications contained herein are appropriate for its use. We have included within this document the information upon which ISO relied in order to enable companies to make such independent judgments.

The data underlying the enclosed material comes from companies reporting to Insurance Services Office, Inc. Therefore, the ISO experience permits the establishment of a much broader statistical ratemaking base than could be employed by using any individual company's data. A broader data base enhances the validity of ratemaking analysis derived therefrom. At the same time, however, an individual company may benefit from a comparison of its own experience to the aggregate ISO experience, and may reach valid conclusions with respect to the manner in which its own costs can be expected to differ from ISO's projections based on the aggregate data. Some calculations included in this document involve areas of ISO staff judgment. Each company should carefully review and evaluate its own experience in order to determine whether the indications are appropriate for its use.

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MINNESOTA
PRIOR REVISIONS

The latest implemented revisions in this state are:

Document: GL-2021-BGL1

<u>Coverage</u>	<u>Distribution Date</u>	<u>Loss Cost Level Changes</u>		
		<u>Indicated</u>	<u>Selected</u>	<u>Implemented</u>
M&C		+1.0%	+1.0%	+1.0%
OL&T		+1.5%	+1.5%	+1.5%
Prem/Ops Combined		+1.2%	+1.2%	+1.2%
Products		-6.7%	-6.7%	-6.7%
Local Products/Completed Ops		-4.9%	-4.9%	-4.9%
Products/Completed Operations		-5.5%	-5.5%	-5.5%
General Liability Overall	4/2022	-0.6%	-0.6%	-0.6%

Document: GL-2020-BGL1

<u>Coverage</u>	<u>Distribution Date</u>	<u>Loss Cost Level Changes</u>		
		<u>Indicated</u>	<u>Selected</u>	<u>Implemented</u>
M&C		+0.3%	+0.3%	+0.3%
OL&T		+13.0%	+11.8%	+11.8%
Prem/Ops Combined		+6.8%	+6.2%	+6.2%
Products		-0.2%	-0.2%	-0.2%
Local Products/Completed Ops		+0.8%	+0.8%	+0.8%
Products/Completed Operations		+0.5%	+0.5%	+0.5%
General Liability Overall	4/2021	+5.0%	+4.5%	+4.5%

Document: GL-2019-BGL1

<u>Coverage</u>	<u>Distribution Date</u>	<u>Loss Cost Level Changes</u>		
		<u>Indicated</u>	<u>Selected</u>	<u>Implemented</u>
M&C		-1.6%	-1.6%	-1.6%
OL&T		+0.2%	+0.2%	+0.2%
Prem/Ops Combined		-0.7%	-0.7%	-0.7%
Products		-9.8%	-9.8%	-9.8%
Local Products/Completed Ops		-6.4%	-6.4%	-6.4%
Products/Completed Operations		-7.7%	-7.7%	-7.7%
General Liability Overall	4/2020	-2.8%	-2.8%	-2.8%

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GENERAL LIABILITY
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EXPLANATION OF LOSS COST CHANGES BY CLASS
GENERAL LIABILITY OTHER THAN PROFESSIONAL - SUBLINE CODES 334 AND 336

The Commercial General Liability combined single limit loss costs for each General Liability Other than Professional class code are set forth on the following pages.

For Premises/Operations and Local Products/Completed Operations, these loss costs are calculated by applying the following procedures:

For Premises/Operations, a current base loss cost (CBLC) by class group and territory is calculated. This is equal to Loss Costs at Current Level summarized over all classes in the class group divided by adjusted monoline/multiline exposures (exposure times class differential summed over all classes in the class group). This calculation is done separately for each territory. In the case where there is no territory class group loss costs at current level, the CBLC is not calculated and the current approved territory class group base loss cost is used.

For Local Products/Completed Operations, a current base loss cost by class group is calculated. This is equal to the Loss Costs at Current Level summarized over all classes in the class group divided by adjusted monoline/multiline exposures (exposures times class differential summed over all classes in the class group). In the case where there is no class group loss costs at current level, the CBLC is not calculated and the current approved class group base loss cost is used.

$$CBLC = \frac{\sum_{\text{class}} LCCL}{\sum_{\text{class}} (\text{Exposure}) \times (\text{Differential})}$$

- For Premises/Operations, a proposed base loss cost (PBLC) is calculated by multiplying the CBLC by the class group relative change, the territory relative change and the overall change.

$$PBLC = CBLC \times CG \text{ Relative Change} \times \text{Territory Relative Change} \times \text{Statewide Monoline Change}$$

- For Local Products/Completed Operations, a proposed base loss cost (PBLC) is calculated by multiplying the CBLC by the class group relative change and the overall change.

$$PBLC = CBLC \times CG \text{ Relative Change} \times \text{Statewide Monoline Change}$$

- Each proposed class loss cost is calculated as the differential for that class times the proposed base loss cost for the class group (and territory, if applicable)

For Products, these loss costs are calculated as explained in Pages C-17 to C-19 and EXHIBIT C15 - Class Groups and Calculations of Proposed Class Loss Costs --Products.

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

INTRODUCTION	General Liability advisory prospective loss costs are determined by evaluating the adequacy of the current ISO loss costs to pay for our best estimate of losses and all loss adjustment expenses that will be incurred in the prospective (or future) period. This evaluation is done separately for Owners, Landlords, and Tenants; Manufacturers and Contractors; Products; and Local Products/Completed Operations Liability.
STEP 1: DETERMINATION OF INDICATED LOSS COST LEVEL CHANGES	The first step in this process is the determination of the statewide loss cost level indication for Owners, Landlords and Tenants and for Manufacturers and Contractors. A multistate loss cost level indication is determined for Products and for Local Products/Completed Operations. This loss cost indication represents the percentage change that on average must be made to the current ISO loss costs in order to achieve adequacy for the prospective conditions. The percentage changes are presented in EXHIBITS B1-B4 - Determination of Indicated Loss Cost Level Change.
STEP 2: DISTRIBUTION OF BASIC LIMIT LOSS COST LEVEL INDICATION	<p>For Owners, Landlords and Tenants and for Manufacturers and Contractors, ISO then distributes the statewide basic limit loss cost indication to the individual types of policy, territories and class groups using a minimum bias iterative procedure (territory is used for Owners, Landlords and Tenants only).</p> <p>For Products and for Local Products/Completed Operations, the multistate basic limit loss cost indication is distributed to the individual types of policy and class groups, and additionally to state for Local Products/Completed Operations. For Local Products/Completed Operations, a multistate loss cost level review and Baileys relative change analysis are performed, calculated assuming approval of all filed loss cost changes from the previous review (as opposed to reflecting only the approvals that have been received at the time of this review). Then, for states which did not approve the loss cost change from the previous review, an "off-level" factor is applied to the statewide indication from the multistate analysis. This off-level factor is equal to the selected, unapproved change from the previous review.</p>

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 3:
APPLICATION OF
PERCENTAGE
CHANGES

The last step is the calculation of the ISO advisory prospective loss costs. For Premises/Operations, a Proposed Base Loss Cost by class group and territory must first be calculated. This is derived by multiplying the Current Base Loss Cost by the statewide monoline change, the class group relative change, and (for Owners, Landlords, and Tenants) the territory relative change. ISO advisory prospective loss costs by class are then calculated as the Proposed Base Loss Cost times the class differential. See Page A-1 and EXHIBIT A5 - Explanation of Loss Cost Level Changes by Class for details of this procedure. The statewide loss cost level change has been multiplied by a 'build back' factor to ensure that the selected overall change by subline is achieved. This is required to offset the effect of capped loss costs as well as the effect of revised classification differentials (if any) on the overall change.

For Products, proposed multistate loss costs are calculated using a Bayesian credibility procedure. See Pages C17-C19 and EXHIBIT C15 - Class Groups and Calculation of Proposed Class Loss Costs for details. Where loss costs have been capped, this result is then multiplied by a 'build back' factor to ensure that the selected overall change is achieved.

Prior to this filing, the proposed loss cost for Local Products/Completed Operations were calculated using a Bayesian credibility procedure whose parameters were updated with each review. This procedure has been revised in this filing and is the same as the Premises/Operations procedure except that Local Products/Completed Operations loss costs are always calculated at the state level even if there are multiple territories. For Local Products/Completed Operations, a Proposed Base Loss Cost by class group and state must first be calculated. This is derived by multiplying the Current Base Loss Cost by the statewide monoline change and the class group relative change. ISO advisory prospective loss costs by class are then calculated as the Proposed Base Loss Cost times the class differential. See Page A-1 and EXHIBIT A5 - Explanation of Loss Cost Level Changes by Class for details of this procedure. The statewide loss cost level change has been multiplied by a 'build back' factor to ensure that the selected overall change by subline is achieved. This is required to offset the effect of capped loss costs as well as the effect of revised classification differentials (if any) on the overall change.

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 1 - DETERMINATION OF INDICATED LOSS COST LEVEL CHANGE

OBJECTIVE	<p>The objective of this procedure is to determine the indicated loss cost level change. This procedure answers the question: What percentage changes must be made on average to the current ISO loss costs in order for them to be adequate to cover indemnity losses and all loss adjustment expenses incurred in the prospective period in which the revised loss costs will be used?</p> <hr/>
DESCRIPTION	<p>This procedure compares the developed and trended incurred losses and loss adjustment expenses with the aggregate loss costs at current ISO loss cost level (see definition, below). This experience ratio (losses and all loss adjustment expenses divided by aggregate loss costs) is calculated for several years and a weighted average is calculated. For Premises/Operations and Products/Completed Operations, the standard procedure has been to use the latest three accident years to calculate the weighted average using 20%-30%-50% weights with the highest weight assigned to the most recent year.</p> <p>However, due to the impact that the COVID-19 pandemic and subsequent recession had on experience from March 2020 and beyond, the procedure has been revised to include a fourth year to calculate the weighted average of the Premises/Operations and Products/Completed Operations experience ratios. Equal weights are assigned to each year.</p> <p>For Premises/Operations, in order to minimize the impact of random variation in the observed losses, the average experience ratio is then credibility-weighted with the expected experience ratio, which reflects trend and the relative adequacy of current loss costs. This credibility-weighted experience ratio is the indicated statewide advisory loss cost level change in decimal form.</p> <p>For Products/Completed Operations, the average experience ratio is the indicated multistate advisory loss cost level change, in decimal form. Products/Completed Operations data is assumed to be fully credible.</p> <hr/>
EXPERIENCE BASE	<p>The experience used in this review is the latest available simplified data as reported under the ISO Commercial Statistical Plan. The data is aggregated on an accident year basis. The review is conducted on \$100,000 basic limit basis - indemnity losses are limited to \$100,000 per occurrence. Also, bodily injury and property damage deductible data is included. In addition, fringe losses (Coverage B) are included.</p> <hr/>

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 1 - DETERMINATION OF INDICATED LOSS COST LEVEL CHANGE (Cont'd)

AGGREGATE
LOSS
COSTS

The aggregate loss costs at current ISO loss cost level are the loss-related revenue that would have been collected if the current ISO loss costs and deductible discounts were used during the experience period. They are calculated by extending the exposures at the current ISO loss costs. Where appropriate, certain reported data elements have been adjusted prior to being used in the calculations. The \$100,000 basic limit loss costs are used. Inflation-sensitive exposures are adjusted to a prospective level using exposure trend. Exposures are trended to one year beyond the assumed effective date. Accident year exposures are also developed to account for changes due to exposure audits.

INCURRED
LOSSES
& LAE

The incurred losses and loss adjustment expenses are our best estimate of the ultimate payment for indemnity losses and loss adjustment expenses using the frequency and severity levels ISO expects to occur during the prospective period for which the revised loss costs are assumed to be in effect. Where appropriate, certain reported data elements have been adjusted prior to being used in the calculations.

For the liability coverages, the reported incurred losses and allocated loss adjustment expenses are subject to the following adjustments:

- developed to an ultimate settlement basis by the application of loss development factors;
- loaded for unallocated loss adjustment expenses;
- placed on the prospective cost/frequency level by the application of trend factors. Losses are trended to one year beyond the assumed effective date.

Incurred indemnity losses are capped at the \$100,000 basic limit.

Refer to EXHIBITS C4-C7 (Premises/Operations), EXHIBITS C12-C14 (Products) and EXHIBITS C19-C21 (Local Products/Completed Operations) for the support for these loss-related adjustments.

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 1 - DETERMINATION OF INDICATED LOSS COST LEVEL CHANGE (Cont'd)

EXPERIENCE RATIO	The experience ratio is the ratio of the incurred losses and loss adjustment expenses to the aggregate loss costs at current ISO loss cost level. It measures the adequacy of the current ISO loss costs for the prospective period.
EXPECTED EXPERIENCE RATIO	The expected experience ratio is our best prediction of the experience ratio if the most recent data were not available. For this review we have assumed that the current loss costs will be inadequate for the prospective period to the extent of the net trend. The net trend is calculated as the annual net trend factor projected for the number of years between the last review date and the assumed effective date of this document. The details for the calculation can be found in the footnotes at the bottom of EXHIBITS B1-B4.
CREDIBILITY	For Premises/Operations, credibility is based upon the number of occurrences for all years in the experience period. Products/Completed Operations data is assumed to be fully credible. The procedure for assigning credibility is outlined in Credibility Standards (Pages C13-C14).
CREDIBILITY- WEIGHTED EXPERIENCE RATIO	For Premises/Operations, the weighted experience ratio is credibility-weighted with the expected experience ratio defined above. The resulting credibility-weighted experience ratio, converted to a percentage, is the indicated change to the current monoline-multiline loss cost level.

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 2 - DISTRIBUTION OF BASIC LIMIT LOSS COST LEVEL INDICATION

OBJECTIVE	<p>For Premises/Operations, the objective of this procedure is to distribute the statewide basic limit loss cost level indication to the individual types of policy, territories and class groups using a minimum bias iterative procedure. This procedure is used to answer the question: What percentage changes by territory and class group must be made to the current ISO loss costs in order to achieve adequacy for the prospective conditions? Similarly, for Products, the multistate basic limit loss cost level change is distributed via the minimum bias iterative procedure to type of policy and class group. For Local Products/Completed Operations the change is also distributed to state.</p>
PREMISES/ OPERATIONS	<p>For Premises/Operations, this procedure arrives at a set of type of policy, class group and territory relative changes that best represent the experience within each state. The type of policy relative changes serve to derive the relationship of the CPP policies relative to monoline policies, via the PMF, while the class group and territory relative changes serve to derive the relationship of the various classifications and territories relative to one another.</p> <p>The indicated change to monoline loss costs is calculated for each class group - territory combination by taking the product of the monoline type of policy relative change, the class group relative change, the territory relative change and the statewide coverage loss cost level indication.</p> <p>The overall monoline loss cost level indication is the weighted average of the class group - territory combination indications. In calculating this weighted average, monoline/multiline aggregate loss costs at current level for the latest available accident year are used as weights.</p>
PRODUCTS	<p>Products is reviewed using multistate data; a two-way minimum bias iterative procedure is used to arrive at a set of type of policy and class group relative changes that best represent the experience. The type of policy relative changes serve to derive the relationship of CPP policies relative to monoline policies, via the PMF, while the class group relative changes serve to derive the relationship of the various classifications relative to one another.</p> <p>The indicated multistate change to monoline loss costs is calculated for each class group by taking the product of the monoline type of policy relative change, the class group relative change, and the multistate coverage loss cost level indication.</p>

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 2 - DISTRIBUTION OF BASIC LIMIT LOSS COST LEVEL INDICATION (Cont'd)

PRODUCTS(Cont'd)

The overall multistate monoline loss cost level indication is the monoline/multiline aggregate loss costs at current level weighted average of the class group indications.

The indicated statewide change is calculated by determining the effect, on statewide loss cost levels, of implementing the multistate loss costs. The difference between the multistate change and the indicated statewide change is a result of a difference in the distribution of risks by class in this jurisdiction versus the multistate. In addition, for the states that are off the multistate loss cost level, the difference is also a result of previous multistate revisions which were not implemented in this jurisdiction.

LOCAL PRODUCTS/
COMPLETED
OPERATIONS

Local Products/Completed Operations is reviewed using multistate data, and this procedure arrives at a set of type of policy, class group, and state relative changes that best represent the multistate experience. The type of policy relative changes serve to derive the relationship of the CPP policies relative to the monoline policies, via the PMF, while the class group and state relative changes serve to derive the relationship of the various classifications and states to one another.

The indicated change to monoline loss costs is calculated for each class group - state combination by taking the product of the monoline type of policy relative change, the class group relative change, the state relative change and the multistate coverage loss cost level indication.

The overall monoline loss cost level indication is the weighted average of the class group - state combination indications. In calculating this weighted average, monoline/multiline aggregate loss costs at current level for the latest available accident year are used as weights.

EXPLANATORY NOTES TO DETERMINATION OF INDICATED
LOSS COST LEVEL CHANGE

For Premises/Operations, the statewide loss cost level indication is determined using the statewide experience for all monoline and multiline risks. For Products/Completed Operations, the multistate loss cost level indication is determined using the multistate experience for all monoline and multiline risks.

For Premises/Operations and Products/ Completed Operations, the loss cost level indications are based upon a review of the latest four years of basic limit experience of companies reporting to Insurance Services Office, Inc. For Premises/Operations, data for accident years ending September 30, 2018, 2019, 2020, and 2021 are weighted 25%, 25%, 25% and 25% respectively. For Products/Completed Operations, multistate data for accident years ending December 31, 2017, 2018, 2019, and 2020 are weighted 25%, 25%, 25% and 25% respectively.

Aggregate loss costs at the current level for the multiline risks have been adjusted by the Implicit Package Modification Factors by Type of Policy. Exposures have been developed to account for changes due to audits. Inflation sensitive exposures have been trended. Incurred losses have been developed and trended, and include all loss adjustment expenses.

For details on these adjustments see EXHIBITS C1-C7 (Premises/Operations), EXHIBITS C9-C14 (Products) and EXHIBITS C16-C21 (Local Products/Completed Operations).

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

OBJECTIVES

The objectives of this procedure are to:

- 1) determine monoline loss cost level needs for the appropriate rating variables;
- 2) determine indicated changes to the CPP Package Modification Factors based on Premises/Operations and Products/Completed Operations.

EXPERIENCE BASE

The experience used in this relative change analysis is the latest five (5) years of data, as reported under the Commercial Statistical Plan with adjustments made as described in the Explanatory Notes to Determination of Indicated Loss Cost Level Change in this section.

SIMULTANEOUS DETERMINATION OF RATING VARIABLE RELATIVE CHANGES

Once the aggregate loss costs at current level and incurred losses used in the analysis have been appropriately adjusted, the 5-year experience ratios are calculated for each combination of the appropriate rating variables. From these ratios, relative changes to the statewide 5-year experience ratio are calculated. These relative changes are then used in a minimum bias iterative review procedure, which simultaneously determines the relative changes for each rating variable. This data appears in EXHIBITS B5-B13.

The purpose of a simultaneous review procedure is to arrive at a set of relative changes for each rating variable that best represent the experience. For example, the type of policy relative changes will serve to derive the relationship of CPP policies relative to monoline policies, via the PMF, while the class group and territory relative changes will serve to derive the relationship of the various classification and territories relative to one another. An iterative technique is used to derive relative changes for each rating variable. This procedure is in contrast to a one-way type of review, wherein relative changes for each rating variable would each be reviewed separately.

Such one-way types of review do not take into account differing percentages of experience of each rating variable within the other rating variables. The simultaneous review procedure accounts for these different distributions in generating relative changes for each rating variable.

RATING VARIABLES USED

For Premises/Operations and Products/Completed Operations, the rating variables used in the relative change analysis are as follows:

Manufacturers and Contractors -	type of policy and class group
Owners, Landlords and Tenants -	type of policy, territory and class group
Products -	type of policy and class group
Local Products/Completed Operations -	type of policy, state and class group

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE

The iterative technique referred to in the previous paragraph solves for a set of relative changes for each rating variable based on the experience for the cells; that is, based on the experience ratio and latest year adjusted aggregate loss cost volume for each combination of rating variables relative to the experience ratio and adjusted aggregate loss cost volume for all combinations of rating variables combined. Specifically, the iterative procedure uses the following formulas:

For Owners, Landlords and Tenants:

$$TOP_i = \frac{\sum_j \sum_k W_{ijk} r_{ijk}}{\sum_j \sum_k W_{ijk} CG_j TER_k} \quad \text{where } 1 \leq i \leq m$$
$$CG_j = \frac{\sum_i \sum_k W_{ijk} r_{ijk}}{\sum_i \sum_k W_{ijk} TOP_i TER_k} \quad \text{where } 1 \leq j \leq n$$
$$TER_k = \frac{\sum_i \sum_j W_{ijk} r_{ijk}}{\sum_i \sum_j W_{ijk} TOP_i CG_j} \quad \text{where } 1 \leq k \leq p$$

TOP_i is the relative change for the i^{th} type of policy;

CG_j is the relative change for the j^{th} class group;

TER_k is the relative change for the k^{th} territory;

W_{ijk} is the aggregate loss costs at current level for the i^{th}

type of policy, j^{th} class group and k^{th} territory;

r_{ijk} is the relative change for the i^{th} type of policy,

j^{th} class group and k^{th} territory;

m is the number of types of policy in the analysis;

n is the number of class groups in the analysis;

p is the number of territories in the analysis;

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE (Cont'd)

For Manufacturers and Contractors, and Products:

$$TOP_i = \frac{\sum_j W_{ij} r_{ij}}{\sum_j W_{ij} CG_j} \quad \text{where } 1 \leq i \leq m$$
$$CG_j = \frac{\sum_i W_{ij} r_{ij}}{\sum_i W_{ij} TOP_i} \quad \text{where } 1 \leq j \leq n$$

TOP_i is the relative change for the i^{th} type of policy;

CG_j is the relative change for the j^{th} class group;

W_{ij} is the aggregate loss costs at current level for the i^{th}

type of policy and j^{th} class group;

r_{ij} is the relative change for the i^{th} type of policy

and j^{th} class group;

m is the number of types of policy in the analysis;

n is the number of class groups in the analysis;

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE (Cont'd)

For Local Products/Completed Operations:

$$TOP_i = \frac{\sum_j \sum_k W_{ijk} r_{ijk}}{\sum_j \sum_k W_{ijk} CG_j ST_k} \quad \text{where } 1 \leq i \leq m$$

$$CG_j = \frac{\sum_i \sum_k W_{ijk} r_{ijk}}{\sum_i \sum_k W_{ijk} TOP_i ST_k} \quad \text{where } 1 \leq j \leq n$$

$$ST_k = \frac{\sum_i \sum_j W_{ijk} r_{ijk}}{\sum_i \sum_j W_{ijk} TOP_i CG_j} \quad \text{where } 1 \leq k \leq p$$

TOP_i is the relative change for the i^{th} type of policy;

CG_j is the relative change for the j^{th} class group;

ST_k is the relative change for the k^{th} state;

W_{ijk} is the aggregate loss costs at current level for the i^{th}

type of policy, j^{th} class group and k^{th} state;

r_{ijk} is the relative change for the i^{th} type of policy,

j^{th} class group and k^{th} state;

m is the number of types of policy in the analysis;

n is the number of class groups in the analysis;

p is the number of states in the analysis;

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE (Cont'd)

For example, for Owners, Landlords and Tenants, the procedure starts by inserting the actual relative changes for type of policy and class group into the third formula to get a territory relative change. This result is then used with the class group relative change in the first formula to get a new type of policy relative change, which in turn is substituted along with the territory relative change into the second formula to get a new class group relative change. The process continues on in that fashion until there is no appreciable difference from one iteration to the next.

APPLICATION OF CREDIBILITY

Consideration is then given to the credibility of the experience for each rating variable. The credibility of each of these categories is based on the formula

$$Z = \sqrt{P/18,000} \text{ for Owners, Landlords and Tenants, } Z = \sqrt{P/18,000} \text{ for}$$

$$\text{Manufacturers and Contractors and } Z = \sqrt{P/20,000} \text{ for Products, where P is}$$

the 5 year occurrence total for a given class group, territory or type of policy.

For Local Products/Completed Operations, separate formulas are used to calculate the credibility of the experience for each type of policy and class group

$$\text{versus the credibility of the experience for each state, namely } Z = \sqrt{P/15,000}$$

$$\text{for type of policy and class group, and } Z = \sqrt{P/5,500} \text{ for state (in this case, P is}$$

the 5 year occurrence total for a given state). Credibility-weighted relative changes are then calculated as follows:

$$W = R^Z \quad \text{where:}$$

Z is the class group, territory, state or type of policy credibility;

R is the class group, territory, state or type of policy relative change;

W is the credibility-weighted relative change.

The resulting credibility-weighted relative changes are then balanced to assure that the average relative change remains at unity.

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

MULTILINE CONSIDERATIONS

The type of policy (TOP) relative changes and the class group, territory and state relative changes which result from the aforementioned procedures are then used to generate indicated monoline classification loss cost changes and multiline indications that apply to the current Implicit Package Modification Factors (IPMFs). The indicated IPMFs are calculated as follows:

$$\text{Indicated IPMF for TOP y} = \frac{\text{Current IPMF for TOP y} \times \text{Relative Change for TOP y}}{\text{Monoline Relative Change for All Territories Combined}}$$

For each CPP Type of Policy, the indicated IPMF is subject to a minimum and maximum level. To the extent that an indicated IPMF falls outside one of those limits, it is capped at that limit, its data is built back into the monoline TOP, and the procedure as described above is repeated to take this into account.

For LPCO, the term "All States" is substituted for the "All Territories" in the formula above.

MONOLINE INDICATIONS -- PREMISES/ OPERATIONS

For Premises/Operations, the indicated change to monoline loss costs is calculated for each class group-territory combination by taking the product of the monoline type of policy relative change, the class group relative change, the territory relative change and the statewide coverage loss cost level indication.

The overall monoline loss cost level indication is the weighted average of the monoline class group-territory combination indications. In calculating this weighted average, latest year monoline/multiline loss costs at current level are used as weights.

Territory applies to Owners, Landlords and Tenants only.

MONOLINE INDICATIONS -- PRODUCTS

For Products, the indicated change to monoline loss costs is calculated for each class group by taking the product of the monoline type of policy relative change, the class group relative change and the multistate coverage loss cost level indication.

The overall multistate monoline loss cost level indication is the weighted average of the monoline class group indications. In calculating this weighted average, latest year multistate monoline/multiline loss costs at current level are used as weights.

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

MONOLINE INDICATIONS -- LOCAL PRODUCTS/ COMPLETED OPERATIONS

For Local Products/Completed Operations, the indicated change to monoline loss costs is calculated for each class group-state combination by taking the product of the monoline type of policy relative change, the class group relative change, the state relative change and the multistate coverage loss cost level indication.

The overall multistate monoline loss cost level indication is the weighted average of the monoline class group-state indications. In calculating this weighted average, latest year multistate monoline/multiline loss costs at current level are used as weights.

EXPLANATORY NOTES TO
IMPLICIT PACKAGE MODIFICATION FACTORS

In order to calculate the aggregate loss costs at current ISO levels, the reported exposures must be multiplied by the current ISO monoline loss costs. For multiline exposures, the ISO monoline loss costs must be adjusted by the appropriate ISO implicit package modification factors in order to be on a multiline level.

Implicit Package Modification Factors (IPMF's) adjust the ISO monoline loss costs to levels applicable to multiline risks, i.e., to reflect a difference in multiline experience relative to monoline experience for each coverage. This adjustment is made because risks written under a Package Policy have different experience than risks written under a monoline policy. The IPMF's are calculated based upon a comparison of the multiline experience relative to the monoline experience, and this comparison is done via the Bailey minimum bias relative change analysis (as described in Explanatory Notes to Relative Change Analysis in Pages B-9 to B-15). IPMF's are calculated separately by coverage, for each applicable type of policy within each coverage. One result of the IPMF adjustment to multiline ALCCL is that the monoline and multiline experience for the same coverage tends toward the same experience ratio. IPMF's are the components of the published liability Package Modification Factors (PMF's) which vary by type of policy only. These PMF's represent the CPP relativity for all liability coverages combined within a type of policy. The IPMF represents what the PMF would be for the CPP risk if only a single coverage were written.

EXPLANATION OF EXPOSURE DEVELOPMENT

IMPORTANCE OF APPLICATION

The application of exposure development factors reflects the important ratemaking concept that all of the exposures for a particular accident year have not been finally determined at the time the experience is compiled. This is because exposures are subject to audit and may change as a result.

APPLICATION OF EXPOSURE DEVELOPMENT FACTORS

The earned exposures underlying the Premises/Operations statewide loss cost level indications are evaluated as of December 31, 2021. Products/Completed Operations data is evaluated as of March 31, 2021.

For example, the accident year ending December 31, 2020 includes all exposures earned during the period from January 1, 2020 through December 31, 2020.

The immature experience reported as of 15 and 27 months for accident years ending 09/30/2021 and 9/30/2020 must be adjusted to an ultimate exposure development basis. This adjustment is accomplished through the use of an exposure development factor. Exposures are assumed to be mature at 39 months. Exposure development factors are based on experience evaluated as of September 30, 2021 for Premises/ Operations and March 31, 2021 for Products/Completed Operations.

The Premises/Operations and the Local Products/Completed Operations exposure development factors used in this revision are based on statewide and multistate experience. The Products exposure development factors are based on multistate experience. The exposure development factors are based on total limits premium. Using premium rather than exposures eliminates distortions that may arise because of changing distributions of data by class. The exposure development factors used are the 'best 3 of 5.' This is calculated by taking the exposure development ratios for the latest five years, dropping the highest and lowest ratios and then averaging the remaining three ratios. For Premises/Operations and Local Products/Completed Operations, the state ratios are then credibility-weighted with the multistate ratios using a Bayesian credibility procedure.

EXPLANATION OF EXPOSURE DEVELOPMENT

APPLICATION OF EXPOSURE DEVELOPMENT FACTORS (Cont'd)

EXHIBIT C3 - Calculation of Exposure Development Factors displays the calculation of the credibility-weighted exposure development factors for Premises/Operations. State and multistate data are used in the calculation. Products exposure development is based on multistate data, as shown in EXHIBIT C11 - Calculation of Exposure Development Factors. EXHIBIT C18 - Calculation of Exposure Development Factors displays the calculation of the credibility-weighted exposure development factors for Local Products/Completed Operations. State and multistate data are used in the calculation.

An adjustment factor was applied to the exposure development factors for the latest accident year to reflect the reduced expected exposures for Local Products/Completed Operations and Products due to COVID-19 and the economic recession in 2020. This factor was determined by an analysis of historical experience and actuarial judgment. Refer to Section D for details.

EXPLANATION OF LOSS DEVELOPMENT

IMPORTANCE OF APPLICATION

The application of loss development factors reflects the important ratemaking concept that all of the losses for a particular accident year have not been finally determined at the time the experience is compiled.

APPLICATION OF LOSS DEVELOPMENT FACTORS

The incurred losses and allocated loss adjustment expenses underlying the Premises/Operations statewide loss cost level indications were evaluated as of December 31, 2021. Products/Completed Operations data is evaluated as of March 31, 2021.

For example, the accident year ending December 31, 2020 includes all losses and allocated loss adjustment expenses paid on accidents occurring from January 1, 2020 through December 31, 2020 and all losses and loss adjustment expenses outstanding on those policies as of March 31, 2021, 15 months after the inception of the accident year.

The immature experience reported as of 15, 27, 39 and 51 months for accident years ending 09/30/2021, 9/30/2020, 9/30/2019, and 9/30/2018 must be adjusted to an ultimate settlement basis. This adjustment is accomplished through the use of a loss development factor.

Indemnity losses are developed separately from ALAE. ALAE development procedures are described in the Explanation of ALAE Development in this section.

The Premises/Operations and the Completed Operations indemnity loss development factors used in this revision are based on statewide and multistate accident year experience. The Products and Local Products indemnity loss development factors are based on multistate accident year experience. The loss development factors used are the 'best 3 of 5.' This is calculated by taking the loss development ratios for the latest five years, dropping the highest and lowest ratios and then averaging the remaining three ratios. For evaluations that do not have five years of data, the ratios are calculated using the Modified Bondy Method. An explanation of this method can be found in the Explanation of Modified Bondy Method in this section. The Bondy calculated ratios are excluded from the calculation of the three year mean ratios. If fewer than three years of data are available, the three year mean ratio is based on the data for the available year(s).

EXPLANATION OF LOSS DEVELOPMENT

APPLICATION OF LOSS DEVELOPMENT FACTORS (Cont'd)

For Premises/Operations and Completed Operations bodily injury and property damage full coverage indemnity, statewide experience is credibility weighted with multistate experience. A Bayesian credibility procedure is used.

For bodily injury deductible, property damage deductible and fringe incurred indemnity losses, multistate development is used.

For Premises/Operations, Medical Payments experience is assumed to be fully mature; therefore, no loss development factors are applied.

Starting with the 2015 review, pre-CGL (Commercial General Liability) data will no longer be included in the loss development analyses. The decision was made since CGL data represents over 99% of the multistate data for all years in these analyses. The use of pre-CGL data had historically been used to increase the volume of data in the accident years following the introduction of the CGL policy.

EXHIBITS C4 and C5 - M&C and OL&T Loss Development Data respectively display the calculation of the credibility-weighted loss development factors for Premises/Operations. State and multistate data are used.

The multistate Products loss development data is displayed in EXHIBIT C12 - Loss Development Data.

EXHIBIT C19 - Loss Development Data displays the calculation of the credibility-weighted loss development factors for Completed Operations. State and multistate data are used. The multistate Local Products loss development data is also displayed in EXHIBIT C19 - Loss Development Data.

EXPLANATION OF ALLOCATED LOSS ADJUSTMENT EXPENSE (ALAE) DEVELOPMENT

OBJECTIVE

This document contains a procedure designed to achieve more consistent and stable estimates of ultimate ALAE which are generally at lower volume than the associated basic limit liability losses. Also, while basic limit losses may exhibit relatively stable development patterns over time, ALAE development patterns may be much more variable.

Traditional development procedures customarily used for losses apply a loss development factor to reported losses at various evaluation points. For example, a '15-month to ultimate' factor would be applied to the losses for accident year ended September 30, 2021 evaluated as of December 31, 2021. If an analogous procedure is used for ALAE, the variability of the experience can lead to unusually high (or low) estimates of ultimate ALAE.

INCREMENTAL ALAE PERCENTAGES

The procedure used in this document calculates future ALAE development using ALAE as a percentage of ultimate incurred indemnity losses.

Specifically, "incremental ALAE percentages" are calculated as the emergence of ALAE between two evaluation points, divided by ultimate incurred indemnity losses. For example, the difference between historic ALAE evaluated at 27 months and ALAE evaluated at 15 months is expressed as a percentage of ultimate incurred indemnity losses. Similar percentages are calculated for the 27-to-39 month period, the 39-to-51 month period, etc. These percentages are summed, and multiplied by estimated ultimate incurred losses for a given accident year, to calculate ultimate ALAE.

In order to achieve greater stability, statewide and multistate percentages are credibility weighted. The ultimate incurred indemnity losses used as the denominator in the incremental ALAE percentages are capped at \$500,000. ALAE is expected to vary in proportion to loss volume, but higher limits of losses are better estimates of the overall loss volume in a given year. Losses limited at \$500,000 were found to be a stable base for use in this procedure.

EXPLANATION OF ALLOCATED LOSS ADJUSTMENT EXPENSE (ALAE) DEVELOPMENT

DESCRIPTION OF METHODOLOGY

First, statewide and multistate ultimate incurred indemnity losses (capped at \$500,000) are calculated using standard ISO procedures (see Explanation of Loss Development in this section).

The next step is to calculate statewide and multistate triangles of incremental ALAE. At each evaluation and each stage of maturity, incremental ALAE is calculated as a percentage of ultimate indemnity losses, separately for statewide and multistate data, and separately for each accident year. For each stage of maturity, a 'best 3 of 5' method is used to determine incremental percentages. The statewide incremental percentages are then credibility weighted with the multistate percentages.

The resulting weighted incremental percentages are summed together and applied to the developed \$500,000 limits indemnity losses to calculate the ALAE remaining to be incurred. This is added to reported incurred ALAE to determine ultimate ALAE. For example,

$$\begin{aligned} \text{Ultimate ALAE} = & (\text{Incurred ALAE at 15 months}) + \\ & (\text{sum of incremental ALAE percentages}) * \\ & (\text{ultimate indemnity}) \end{aligned}$$

APPLICATION

The above methods are used to develop ALAE to 171 months. Bodily injury and property damage ALAE are developed separately, and the credibility-weighted incremental ALAE percentages are applied to statewide ultimate indemnity losses to calculate expected future ALAE. This result is added to statewide ALAE reported at the most recent evaluation date for each accident year.

These calculations are shown in EXHIBITS C4 and C5 - Loss Development.

EXPLANATION OF ALLOCATED LOSS ADJUSTMENT EXPENSE (ALAE) DEVELOPMENT

FRINGE	Because there is a lower volume of data for the fringe coverage, the incremental ALAE percentages are calculated using multistate data and applied to state ultimate indemnity losses (capped at \$500,000).
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PRODUCTS	Products ALAE is developed to 171 months using multistate data and the incremental method above. Because Products ALAE historically has more substantial development beyond 171 months, multistate link ratios are calculated to develop ALAE from 171 months to ultimate, using the standard link-ratio methodology (see Explanation of Loss Development in this section).
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LOCAL PRODUCTS/ COMPLETED OPERATIONS	Local Products/Completed Operations ALAE incremental percentages are calculated to 171 months using multistate data and applied to state ultimate indemnity losses (capped at \$500,000). Since Local Products/Completed Operations ALAE historically has more substantial development beyond 171 months, multistate link ratios are calculated to develop ALAE from 171 months to ultimate, using the standard link-ratio methodology (see Explanation of Loss Development in this section).
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EXPLANATION OF MODIFIED BONDY METHOD

Each development link ratio is estimated based on average of the 'Best 3 out of 5' years' link ratios for that particular link. Where 5 link ratios are not available we use the Modified Bondy procedure to estimate those link ratios. The algorithm used is outlined below:

Accident Year	171 to 183 Months	183 to 195 Months	195 to 207 Months	207 to 219 Months	219 to 231 Months	231 to 243 Months	243 Months To Ultimate Z*
2001	A	G	L	P	S	U	Z*
2002	B	H	M	Q	T	Y*	
2003	C	I	N	R	X*	Y*	
2004	D	J	O	W*	X*	Y*	
2005	E	K	V*	W*	X*	Y*	
2006	F						
Best 3 out of 5#	BTOF1	BTOF2	BTOF3	BTOF4	BTOF5	BTOF6	

* Calculated using the Modified Bondy Procedure.

The 'Best 3 out of 5' loss development ratio is calculated by taking the sum of the latest 5 years' link ratios and subtracting out both the highest and lowest link ratio and then dividing the result by 3.

The link ratios represented by the letters A through U are calculated directly from the reported data. The links represented by V through Z are calculated using the following formulae:

$$\begin{aligned}
 V &= \text{BTOF2}^{(P1)} & X &= \text{BTOF4}^{(P3)} & \text{Where the powers P1, P2, P3, P4 and P5} \\
 W &= \text{BTOF3}^{(P2)} & Y &= \text{BTOF5}^{(P4)} & \text{are defined as follows:} \\
 Z &= \text{BTOF6}^{(P5)}
 \end{aligned}$$

If $\text{BTOF1} > 1.0$ and $\text{BTOF1} \geq \text{BTOF2} \geq 1.0$ Or $\text{BTOF1} < 1.0$ and $\text{BTOF1} \leq \text{BTOF2} \leq 1.0$
Then $P1 = \text{Log}(\text{BTOF2}) / \text{Log}(\text{BTOF1})$ Otherwise: $P1 = 1.0$

If $\text{BTOF2} > 1.0$ and $\text{BTOF2} \geq \text{BTOF3} \geq 1.0$ Or $\text{BTOF2} < 1.0$ and $\text{BTOF2} \leq \text{BTOF3} \leq 1.0$
Then $P2 = \text{Log}(\text{BTOF3}) / \text{Log}(\text{BTOF2})$ Otherwise: $P2 = 1.0$

If $\text{BTOF3} > 1.0$ and $\text{BTOF3} \geq \text{BTOF4} \geq 1.0$ Or $\text{BTOF3} < 1.0$ and $\text{BTOF3} \leq \text{BTOF4} \leq 1.0$
Then $P3 = \text{Log}(\text{BTOF4}) / \text{Log}(\text{BTOF3})$ Otherwise: $P3 = 1.0$

If $\text{BTOF4} > 1.0$ and $\text{BTOF4} \geq \text{BTOF5} \geq 1.0$ Or $\text{BTOF4} < 1.0$ and $\text{BTOF4} \leq \text{BTOF5} \leq 1.0$
Then $P4 = \text{Log}(\text{BTOF5}) / \text{Log}(\text{BTOF4})$ Otherwise: $P4 = 1.0$

If $\text{BTOF5} > 1.0$ and $(0.8 * \text{Log}(\text{BTOF5})) \geq \text{Log}(\text{BTOF6}) \geq 0.0$
Or $\text{BTOF5} < 1.0$ and $(0.8 * \text{Log}(\text{BTOF5})) \leq \text{Log}(\text{BTOF6}) \leq 0.0$
Then $P5 = \text{Log}(\text{BTOF6}) / (\text{Log}(\text{BTOF5}) - \text{Log}(\text{BTOF6}))$ Otherwise: $P5 = 4.0$

Once all link ratios have been determined, the development factors can then be calculated. The 243 months to ultimate development factor is equal to Z as defined above. The 231 months to ultimate factor is then determined by multiplying Z by the 231 to 243 month 'Best 3 out of 5' years' link ratio. All other 'to ultimate' development factors are calculated in the same manner.

UNALLOCATED LOSS ADJUSTMENT FACTOR METHODOLOGY

BACKGROUND	Allocated loss adjustment expense is reported on a unit transaction basis with the loss records and is thus included with indemnity loss data. Since the prospective loss costs include all loss adjustment expenses, we must load for unallocated loss adjustment expense.
IMPORTANCE OF APPLICATION	The unallocated loss adjustment expense factor is necessary to account for loss adjustment expenses which cannot be allocated to a particular claim.
METHODOLOGY FOR LIABILITY COVERAGES	<p>Calculation of the unallocated loss adjustment expense factor is based on multistate data for ISO member and subscriber companies (see Multistate review of ULAE Experience in EXHIBIT C6, EXHIBIT C13 and EXHIBIT C20). The adjustment is calculated by using unallocated expenses as a percent of losses and allocated expenses.</p> <p>Starting with the 2011 review, experience for CMP Liability has been included with the data used to select the ULAE factor.</p> <p>For this review the factor is 1.080.</p>

EXPLANATION OF TREND CALCULATION

EXPOSURE TREND

The exposure bases for most Premises/Operations and Products/Completed Operations classes are inflation sensitive. In order to provide aggregate loss costs at current level, reported exposures must be trended to reflect the anticipated exposure levels.

Exposure trends are estimated using custom price indexes derived from econometric historic data and base-case forecasts provided by Moody's Analytics. Each custom index is calculated as a ratio of nominal (current dollar) values for some measure of economic activity to the real (inflation-adjusted) values for the same.

For M&C, exposures are calculated based upon sales by manufacturers and average hourly earnings of contracting workers. For OL&T Class Group 16, exposures are calculated based upon the four-quarter moving average quarterly price deflator of state and local government expenditures. The exposure trend for OL&T Class Groups 1-13 is based upon the average annual growth rates in consumption components. For Premises/Operations exposure trend detail, see EXHIBIT- C7 - Trend Summary and Trend Data.

For Products/Completed Operations, exposures are calculated based upon sales by manufacturers for products and local products classes and average hourly earnings of contracting workers for completed operations classes just as for M&C. For Products exposure trend detail, see EXHIBIT C14 - Trend Summary and Trend Data. For Local Products/Completed Operations exposure trend detail, see EXHIBIT C21 - Trend Summary and Trend Data.

SEVERITY TREND

The Premises/Operations multistate accident year (both fiscal and calendar year) average ultimate occurrence severity for the latest six, eight and ten years is displayed in EXHIBIT C7. For Products, multistate calendar accident year average occurrence severity for the latest six, eight and ten years is displayed in EXHIBIT C14. For Local Products/Completed Operations, multistate calendar accident year average occurrence severity for the latest six, eight and ten years is displayed in EXHIBIT C21. The standard ISO calculation uses the least squares method to construct an exponential curve of best fit from this time series data, since the data contain random fluctuations. By minimizing these fluctuations, we can make a more reliable estimate of the underlying trend in the data. In this review multistate dollars of losses and number of occurrences contained in the severity trend exhibits are based on paid amounts developed to ultimate using paid development factors. Large individual occurrence ALAE amounts are capped to temper the effect on a severity point in cases where they have a significant impact on the individual severity point.

Starting with the 2015 review, pre-CGL (Commercial General Liability) data will no longer be included in the trend analyses. The decision was made since CGL data represents over 99% of the multistate data for all years in these analyses. The use of pre-CGL data had historically been used to increase the volume of data in the accident years following the introduction of the CGL policy.

EXPLANATION OF TREND CALCULATION

SEVERITY TREND (Cont'd)

In selecting severity trend factors for use in calculating the Premises/Operations and Products/Completed Operations indicated loss cost level changes, we also review and compare severity trends indicated by techniques other than the standard calculation described above. For example, exponential fits where ultimate average severity is based on incurred (rather than paid) data, as well as econometric models, are reviewed. In addition, consideration is also given to the goodness of fit statistic (R-squared) and trend selections from prior reviews.

FREQUENCY TREND

The historical occurrence frequency data are displayed in EXHIBIT C7, EXHIBIT C14 and EXHIBIT C21. For Premises/Operations, these pages display the frequency data for CGL only for accident years ending 6/30/2008 - 06/30/2021. For Products/Completed Operations, these pages display the frequency data for CGL only for accident years ending 12/31/2007 - 12/31/2020. The Premises/Operations experience includes occurrences arising from fringe coverages. In this review, multistate number of occurrences contained in the frequency trend exhibits are based on paid amounts developed to ultimate using paid development factors.

Historically, frequency trend for Premises/Operations and Products/Completed Operations has been quite volatile, often cyclical in nature. As a result, an exponential curve did not fit the data well over a long term. Given the frequency trend pattern, however, we are continuing to select a negative frequency trend for Owners, Landlords and Tenants, Products and Local Products/Completed Operations. For Manufacturers and Contractors, we have also selected -0.5%. These selections are consistent with a measured approach toward frequency trend selections, which reflects the difficulty of predicting turning points for cyclical and volatile data along with the amplifying effects that varying frequency trend selections have on indicated loss cost level changes.

For Premises/Operations and Products/Completed Operations, frequency trend data includes pandemic impacted periods. It is expected that the sharpest economic and pandemic disruptions have already occurred, but the effects may persist in muted form for some time. Less reliance than normal has been placed on the frequency trend data for the latest points (years ending 12/31/2020 and 06/30/2021) when making selections given that this pandemic impacted period may not be a good indicator of future experience.

CREDIBILITY STANDARDS

The following rule is used in calculating the partial credibility used in determination of the indicated statewide loss cost level change for Manufacturers and Contractors:

$$z = \sqrt{\frac{\text{Total number of occurrences during four year experience period}}{6,500}}$$

The rule for Owners, Landlords and Tenants is:

$$z = \sqrt{\frac{\text{Total number of occurrences during four year experience period}}{6,000}}$$

These standards are based on 90% confidence of being within 7% of the actual value.

Due to the greater need for stability in the relative change analysis, full credibility standards used therein are as follows:

For Manufacturers and Contractors:

$$z = \sqrt{\frac{\text{Total number of occurrences during five year experience period}}{18,000}}$$

For Owners, Landlords and Tenants:

$$z = \sqrt{\frac{\text{Total number of occurrences during five year experience period}}{18,000}}$$

For Products:

$$z = \sqrt{\frac{\text{Total number of occurrences during five year experience period}}{20,000}}$$

These standards are based on 95% confidence of being within 5% of the actual value.

CREDIBILITY STANDARDS

For the Local Products/Completed Operations relative change analysis, the full credibility standards used are as follows:

$$z = \sqrt{\frac{\text{Total number of occurrences during five year experience period}}{15,000}}$$

This full credibility standard applies for each type of policy and class group. It is based on 95% confidence of being within 5% of the actual value.

For Local Products/Completed Operations, the full credibility standard below applies for each state.

$$z = \sqrt{\frac{\text{Total number of occurrences during five year experience period}}{5,500}}$$

It is based on 90% confidence of being within 7% of the actual value, i.e. the same criteria used in determination of statewide loss cost level changes for Premises/Operations.

These credibility standards reflect occurrence severity and occurrence frequency variations for bodily injury and property damage combined.

EXPLANATORY NOTES TO CLASS GROUPS
AND DIFFERENTIALS -- PREMISES/OPERATIONS

The present CGL class groups and countrywide differentials and class exceptions for Premises/Operations classifications are presented in EXHIBIT C8 - Class Groups and Differentials and Class Exceptions - Page C-16. Class groups 14 and 39 are A-rated class groups and are not reviewed in this document. Class groups 1-14 and 16 are considered OL&T, while class groups 30-39 are considered M&C.

Differentials are reviewed on a periodic basis. The most recent differential review was completed in 2009 and filed with the 2009 revisions.

CLASS EXCEPTIONS

The following class exceptions apply by state:

Class Group 10

47469 Not valid for New Jersey

Class Group 13

49292 For New York, territory 01, class is mapped to Class Group 14 {(a)-rated}

49920 Valid only for New York, territory 01, with a differential of 1.00

Class Group 14

49910 Valid only for New York

49913 Valid only for New York

Class Group 32

92447 Not valid for New York, territory 01

92453 Not valid for New York, territory 01

93166 Valid only for Louisiana, with a differential of 0.17

93167 Valid only for Louisiana, with a differential of 1.62

Class Group 33

91130 For New York, class is mapped to Class Group 39 {(a)-rated}

91600 Valid only for New York, with a differential of 1.32

91636 For New York, class is mapped to Class Group 39 {(a)-rated}

98751 For New York, class is mapped to Class Group 39 {(a)-rated}

Class Group 35

51029 Valid only for Hawaii, with a differential of 1.00

51098 Valid only for Hawaii, with a differential of 1.00

Class Group 38

41620 Not valid for New York

Class Group 39

93169 Valid only for Louisiana

EXPLANATORY NOTES TO CLASS GROUPS AND
CALCULATION OF PROPOSED CLASS LOSS COSTS --
PRODUCTS

The present class groups for Products classifications are presented in EXHIBIT C15 - Class Groups and Calculation of Proposed Class Loss Costs. Class group 21 is an A-rated class group and is not reviewed in this document.

Multistate proposed Products class loss costs are calculated as the product of the class index, the class group relative change, the multistate loss cost level change and a 'build back' factor to ensure that the selected multistate overall change is achieved. Capping is performed by comparing the proposed loss costs to the present multistate loss costs. The class index is determined using credibility weighted experience ratios, where a Bayesian credibility procedure is used. See EXHIBIT C15 and Pages C-18 to C-19 - Class Groups and Calculation of Proposed Class Loss Costs for details of the calculation of multistate class loss costs.

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes

The following are definitions of the columns for the Products calculation of proposed loss costs shown on EXHIBIT C15.

Column (1) is the latest year multistate Monoline/Multiline Aggregate Loss Costs at Current Level (ALCCL) for the respective class.

Column (2) is the five year multistate Monoline/Multiline Aggregate Loss Costs at Current Level.

Column (3) is the five year Monoline/Multiline Experience Ratio. Losses are developed and trended, and ALCCL has been exposure trended. IPMFs and Deductible Discounts have been applied to ALCCL.

Column (4) is the credibility (Z_i) of the individual class with respect to the class group. This is calculated based on the equation:

$$Z_i = \frac{K-3}{K} \left(\frac{\bar{P}_i}{\bar{P}_i + \frac{\sum^2}{T^2}} \right) + \frac{3}{K}$$

K = The number of classes within the class group.

\bar{P}_i = The 5 year total Monoline/Multiline ALCCL for class i .

\sum^2 = The average within class variance for the class group. (Sigma Squared)

T^2 = The between class variance for the class group. (Tau Squared)

Column (5) is the Formula Experience Ratio. This is found by credibility weighting the class experience ratio with the class group experience ratio and is based on the equation:

$$FER_i = Z_i \bar{X}_i + (1 - Z_i) \bar{X} \text{ where:}$$

\bar{X}_i = The 5 year average experience ratio for class i from column (3).

$$\bar{X} = \frac{\sum_{i=1}^k Z_i \bar{X}_i}{\sum_{i=1}^k Z_i}$$

Column (6) is the Index or the class relative change factor, which is the quotient of the Formula Experience Ratio (FER_i) and $\tilde{X}_{monoline}$ which is the column (5) total using column (1) as weights.

Note: \tilde{X} (X - tilde) is the 5 year Monoline/Multiline ALCCL weighted class group experience ratio, where $\tilde{X}_{monoline}$ (X - tilde monoline) is weighted based on Monoline/Multiline ALCCL for the latest year only.

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes (Cont'd)

Column (7) is the change factor, which is to be applied to the present loss cost. The formula for this is given as:

Change Factor = (Index) (Class Group Relative Change) (SWRL) (Off balance factor)
where "SWRL" is the selected multistate monoline loss cost level change.
The off balance factor results from capping and is 0.999 for this review.

Note: For classes with no ALCCL in the latest five years of the experience period, the index in the formula above is set to 1.000

Column (8) is the current multistate occurrence loss cost for each class.

Column (9) is the proposed multistate occurrence loss cost based on the product of column (7) and column (8), with the effects of capping and CGL rounding.

Column (10) is the percent change of the proposed state occurrence loss cost (column (12)) for each class with respect to the current state occurrence loss cost (column (11)).

Column (11) is the current state occurrence loss cost for each class.

Column (12) is the proposed state occurrence loss cost for each class. These are equal to the multistate proposed loss costs.

EXPLANATORY NOTES TO CLASS GROUPS AND
DIFFERENTIALS -- LOCAL PRODUCTS/COMPLETED OPERATIONS

The present class groups and multistate differentials for Local Products/Completed Operations classifications are presented in EXHIBIT C22 - Class Groups and Differentials. Class groups 21 and 22 are A-rated class groups and are not reviewed in this document.

Differentials are reviewed on a periodic basis. The most recent differential review was completed in 2022 and is being filed with the 2022 revisions. The LPCO differential review is presented in EXHIBIT C23 and pages C-22 and C-23.

PRODUCTS/COMPLETED OPERATIONS
CLASS EXCEPTIONS

The following class exceptions for Products/Completed Operations apply by state:

Products Included

47469	Not valid for New Jersey
49910	Valid only for New York
49920	Valid only for New York
93169	Valid only for Louisiana

Class Group 21

49913	Valid only for New York
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Class Group 03

51029	Valid only for Hawaii
51098	Valid only for Hawaii

Class Group 22

93166	Valid only in Louisiana
93167	Valid only in Louisiana

EXPLANATORY NOTES TO CLASS GROUPS, PROPOSED DIFFERENTIALS AND DIFFERENTIAL REVIEW –
LOCAL PRODUCTS/COMPLETED OPERATIONS

The procedure to calculate the proposed loss costs for Local Products/Completed Operations is being revised in this document. In order to use the revised method, class differentials need to be determined for each class group. The procedure to determine class differentials uses Bayesian credibility and calculates class experience ratios in order to increase stability and reduce the need for judgmental selections for the differentials.

The revised loss cost calculation procedure is the same procedure currently used in the calculation of the loss costs for Premises/Operations with adjustments to reflect that Local Products/Completed Operations loss costs are always calculated at the state level even if there are multiple territories. Similarly, the calculation of class differentials is the same procedure currently used for Premises/Operations with adjustments to reflect that no class differentials exist for Local Products/Completed Operations currently. As part of the change in procedure, base classes for each class group are also being introduced.

The class groups and proposed countrywide differentials for Local Products/Completed Operations classifications are presented in EXHIBIT C22. Class groups 21 and 22 are A-rated class groups and are not reviewed in this document. Class groups 1 and 2 are considered Local Products, while class groups 11-13 are considered Completed Operations.

The Local Products/Completed Operations differential review is presented in EXHIBIT 23. The review consists of ten accident years (ending December 31, 2010 through 2019) of multistate data evaluated as of March 31, 2020. Local Products and Completed Operations class group reviews have been displayed separately.

Basic limit indemnity losses are limited to \$100,000 per occurrence. Allocated Loss Adjustment Expenses (ALAE) are also included. Indemnity and ALAE have both been trended and developed (separately) to ultimate, with a trend-to date of July 1, 2023. Developed and trended to ultimate ALAEs are capped at \$2,000,000 limit per incident to temper the impact on the class differentials caused by individual large ALAE incidents. A provision of 8.0% of indemnity and ALAE was used to account for Unallocated Loss Adjustment Expense.

Multistate data has been adjusted to reflect the appropriate Implicit Package Modification Factors (IPMFs) by state and type of policy. Accident year exposures have been developed to ultimate. Inflation-sensitive exposures have been adjusted to prospective level using exposure trend.

Other data selection is as follows:

- Full coverage and deductible data are included.
- Bodily Injury and Property Damage types of loss are included.
- Occurrence coverage data are included; Claims-made coverage data are excluded.

The following definitions apply to the Classification Differential Exhibits:

- Item (1), the Class Group Experience Ratio, is the weighted average of the ten-year Experience Ratio in Column (4) for all classes in the class group, using Column (3) as weights.
- Column (2), the Current Implied Class Differential, is the average relationship between the loss cost for the class and the loss cost for the base class across jurisdictions. Puerto Rico is excluded from this calculation.
- Column (3) is the Mono/Multiline Aggregate Loss Cost at Current Level (ALCCL) for the ten accident years (ending December 31, 2010 through 2019) combined, determined by multiplying the adjusted aggregate exposures for each class by the current loss cost for that class.
- Column (4), the Experience Ratio, is equal to the total Ultimate Basic Limit Incurred Losses and ALAE with the ULAE provision for the ten accident years combined, divided by column (3).

EXPLANATORY NOTES TO CLASS GROUPS, PROPOSED DIFFERENTIALS AND DIFFERENTIAL REVIEW –
LOCAL PRODUCTS/COMPLETED OPERATIONS

Explanatory Notes (Cont'd)

- Column (5) is the Credibility (Z_i) of the individual class with respect to the class group. This is calculated based on the equation:

$$Z_i = \frac{K-3}{K} \left(\frac{\bar{P}_i}{\bar{P}_i + \frac{\Sigma^2}{T^2}} \right) + \frac{3}{K}$$

K = The number of classes within the class group.

\bar{P}_i = The 10 year total Mono/Multiline ALCCCL (Column (3)) for class i .

Σ^2 = The average within class variance for the class group. (Sigma Squared)

T^2 = The between class variance for the class group. (Tau Squared)

For classes with no ALCCCL in the ten accident years, the credibility (Z_i) is not calculated.

- Column (6) is the Formula Experience Ratio. This is found by credibility weighting the class experience ratio with the class group experience ratio and is based on the equation:

$$FER_i = Z_i \bar{X}_i + (1 - Z_i) \bar{X} \text{ where:}$$

\bar{X}_i = The 10 year average experience ratio for class i from column (4).

\bar{X} = The average experience ratio for the class group, which is calculated as the average of the -10 year experience ratios in Column (4), using Column (3) as weights.

For classes with no ALCCCL in the ten accident years, the Formula Experience Ratio is the average experience ratio for the class group.

- Column (7), the Normalized Indicated Change to the Differential, is equal to Column (6) (the Formula Experience Ratio) for the class, divided by Column (6) for the base class in the class group.
- Column (8), the Indicated Differential, is the Normalized Indicated Change (Column (7)) multiplied by the Current Implied Class Differential (Column (2)).
- Column (9), the Indicated Change, is Column (7) reformatted as a percent change.
- Column (10), the Selected Change, is equal to the Selected Differential (Column (11)) divided by the Current Implied Class Differential (Column (2)) minus one.
- Column (11), the Selected Differential is equal to the Indicated Differential in Column (8), capped at +50%/-25% (Differentials below 0.1 have been rounded to three decimal places which is consistent with Premises/Operations) except for two cases:
 - Due to low data volume for class 11259, the class differential was selected to be the same as class 11258.
 - A selection (0.31) was made for class 97652 to temper the impact of one large occurrence.

IMPACT OF COVID-19 ON GENERAL LIABILITY LOSS COSTS

INTRODUCTION

The ongoing COVID-19 global pandemic is a truly unique event that has impacted almost every aspect of daily life. The COVID-19 pandemic has had a significant impact on the United States economy and the property-casualty insurance industry. For several months in 2020 much of the country was following social distancing guidelines. The economy slowed significantly in many segments, and some had ground nearly to a halt. Given the sudden major changes in social and economic activity, the potential impact on prospective loss costs has been analyzed.

ISO General Liability basic limit loss cost level changes are based on historical aggregate losses and loss adjustment expenses adjusted through development to their ultimate value and projected through trending to a future point in time.

In anticipation of long-term behavioral, social, and economic changes as a result of COVID-19, it is expected, based on the information currently available, that those changes will have a material impact on prospective loss costs for certain risks. To reflect these changes, judgmentally selected adjustment factors continue to be reflected in the loss costs for several classes. Additionally, for Local Products/Completed Operations and Products exposure development an adjustment factor has been applied to the standard ISO methodology development factor to be reflected in the latest experience accident year (year ending 12/31/2020 for Products/Completed Operations).

LOSS COST ADJUSTMENTS GENERAL LIABILITY

In GL-2020-BGL1, loss costs for nine classifications were adjusted due to the anticipation of long-term behavioral, social, and economic changes as a result of COVID-19. The expectation, based on the information currently available, was that those changes would have a material impact on prospective loss costs for certain risks. To reflect these changes, judgmentally selected adjustment factors were applied to the loss costs for those nine classes.

The nine classifications that were adjusted are OL&T classifications within Premises/ Operations Class Group 12 – Building and Offices. These classes are for risks that are primarily in an office environment and are expected to be impacted by changes in the office work environment.

The varying adjustments applied, -5% or -10%, reflect the expected decrease in foot traffic for the individual classes listed.

In Section A, the present and proposed loss costs for these classes both reflect the COVID-19 adjustments listed. Additionally, as the adjustment is to reflect anticipated long-term changes as a result of COVID-19, the aggregated loss costs at current level utilized in the review excludes the COVID-19 adjustment from the current loss costs for any exposure earned prior to 3/1/2020 for the classes listed. The assumption is that the long-term behavioral, social, and economic changes as a result of COVID-19 began at this time. The specific impact during peak COVID-19 periods may have been greater than the selected adjustments but the purpose of these adjustments is to reflect the expected future impact as opposed to what happened in the past.

IMPACT OF COVID-19 ON GENERAL LIABILITY LOSS COSTS

LOSS COST ADJUSTMENTS GENERAL LIABILITY (Cont'd)

Class Code	Class Description	Adjustment
61212	Buildings or Premises - bank or office - mercantile or manufacturing (Lessor's risk only) (For-Profit)	-5.0%
61216	Buildings or Premises - bank or office - mercantile or manufacturing (Lessor's risk only) (Not-For-Profit)	-5.0%
61217	Buildings or Premises - bank or office - mercantile or manufacturing - maintained by the insured (Lessor's risk only) (For-Profit)	-5.0%
61218	Buildings or Premises - bank or office - mercantile or manufacturing - maintained by the insured (Lessor's risk only) (Not-For-Profit)	-5.0%
61224	Buildings or Premises - office premises primarily occupied by employees of the insured (For-Profit)	-10.0%
61225	Buildings or Premises - office premises primarily occupied by employees of the insured (Not-For-Profit)	-10.0%
61226	Buildings or Premises - office - Not Otherwise Classified (For-Profit)	-5.0%
61227	Buildings or Premises - office - Not Otherwise Classified (Not-For-Profit)	-5.0%
62000	Condominiums - commercial - bank or mercantile, manufacturing or office (association risk only)	-5.0%

IMPACT OF COVID-19 ON GENERAL LIABILITY LOSS COSTS

EXPOSURE DEVELOPMENT ADJUSTMENT FACTOR

In general, exposure development is intended to account for cases where actual exposures during the policy period are different from exposures estimated at policy inception. During times of economic expansion, audits of sales and payroll (and other auditable exposure bases) typically lead to increased exposures and exposure development factors greater than unity. The opposite typically occurs during recessions.

For the recent recession in particular, for Premises/Operations many of the premium audits that will impact accident year ending 9/30/2021 had not yet occurred as of the 12/31/2021 evaluation date. Similarly for Products/Completed Operations many of the premium audits that will impact accident year ending 12/31/2020 had not yet occurred as of the 3/31/2021 evaluation date. As a result, an exposure development adjustment factor has been applied to account for the overall exposure decreases expected upon audit.

To develop the adjustment factor, historical year-to-year changes in gross domestic product ("GDP") were compared to ISO exposure development 15-to-27 month link ratios from 2004 through 2020. See the "Exposure Development Adjustment Factor Data" exhibits below for details. The 15-to-27 links were chosen for review because most audits are usually completed by 27 months. However, a limitation of the available development data is the presence of only a single recession, namely the late 2000's "Great Recession", so the observed data was used to inform actuarial judgment rather than as input to a model.

Adjustment factors of 0.96 and 0.95 have been selected and applied to the accident year ending 12/31/2020 exposure development factors from the standard ISO methodology for Products and Local Products/Completed Operations respectively.

For each subline, the selections are an estimate of the change in development based on the observed year-ending 12/31/2020 GDP change and the historical relationship between the GDP changes and corresponding exposure development factors.

There is no estimated COVID-19 impact for accident year ending 9/30/2021 for M&C and OL&T so no exposure development adjustments have been applied for either.

MULTISTATE
PRODUCTS

FULL & DEDUCTIBLE COMBINED
TOTAL LIMITS PREMIUM

EXPOSURE DEVELOPMENT ADJUSTMENT FACTOR DATA

<u>Accident Year Ending</u>	<u>15-to-27 link</u>	<u>Change in GDP*</u>	<u>Comments**</u>
12/31/2004	1.029	1.039	
12/31/2005	1.036	1.035	
12/31/2006	1.026	1.028	
12/31/2007	1.019	1.020	Recession starts 12/2007.
12/31/2008	0.992	1.001	
12/31/2009	0.987	0.974	Recession ends 6/2009.
12/31/2010	1.019	1.027	
12/31/2011	1.024	1.015	
12/31/2012	1.022	1.023	
12/31/2013	1.009	1.018	
12/31/2014	1.021	1.023	
12/31/2015	1.002	1.027	
12/31/2016	0.997	1.017	
12/31/2017	1.004	1.023	
12/31/2018	0.999	1.029	
12/31/2019	0.991	1.023	
12/31/2020		0.966	Recession starts 2/2020. Recession ends 4/2020.

Selected Exposure Development Adjustment Factor (applied to 15-to-ultimate development factor): **0.960**

* Accident year GDP were calculated by averaging quarterly seasonally adjusted gross domestic product (“GDP”) totals at annual rate over each set of four relevant years. Changes in GDP are then the ratio of the resulting averages for adjacent accident years.

Source: U.S. Bureau of Economic Analysis, Real Gross Domestic Product [GDPC1], retrieved from FRED, Federal Reserve Bank of St. Louis; <https://fred.stlouisfed.org/series/GDPC1>, January 14, 2022.

** Source: Federal Reserve Bank of St. Louis; <https://fredhelp.stlouisfed.org/fred/data/understanding-the-data/recession-bars/>, January 14, 2022.

MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS

FULL & DEDUCTIBLE COMBINED
TOTAL LIMITS PREMIUM

EXPOSURE DEVELOPMENT ADJUSTMENT FACTOR DATA

<u>Accident Year Ending</u>	<u>15-to-27 link</u>	<u>Change in GDP*</u>	<u>Comments**</u>
12/31/2004	1.027	1.039	
12/31/2005	1.030	1.035	
12/31/2006	1.022	1.028	
12/31/2007	1.007	1.020	Recession starts 12/2007.
12/31/2008	0.983	1.001	
12/31/2009	0.975	0.974	Recession ends 6/2009.
12/31/2010	1.002	1.027	
12/31/2011	1.020	1.015	
12/31/2012	1.022	1.023	
12/31/2013	1.023	1.018	
12/31/2014	1.026	1.023	
12/31/2015	1.024	1.027	
12/31/2016	1.026	1.017	
12/31/2017	1.019	1.023	
12/31/2018	1.016	1.029	
12/31/2019	1.015	1.023	
12/31/2020		0.966	Recession starts 2/2020. Recession ends 4/2020.

Selected Exposure Development Adjustment Factor (applied to 15-to-ultimate development factor): **0.950**

* Accident year GDP were calculated by averaging quarterly seasonally adjusted gross domestic product (“GDP”) totals at annual rate over each set of four relevant years. Changes in GDP are then the ratio of the resulting averages for adjacent accident years.

Source: U.S. Bureau of Economic Analysis, Real Gross Domestic Product [GDPC1], retrieved from FRED, Federal Reserve Bank of St. Louis; <https://fred.stlouisfed.org/series/GDPC1>, January 14, 2022.

** Source: Federal Reserve Bank of St. Louis; <https://fredhelp.stlouisfed.org/fred/data/understanding-the-data/recession-bars/>, January 14, 2022.

MINNESOTA

GENERAL LIABILITY OTHER THAN PROFESSIONAL
 PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS
 SUBLINE CODES 334 AND 336
 STATEWIDE LOSS COST LEVEL CHANGES

The attached exhibits present a revision of the monoline \$100,000 basic combined single limit loss costs for Commercial General Liability, Premises/Operations and Products/Completed Operations (Subline Codes 334 and 336). This revision has been prepared by the Insurance Services Office, Inc. (ISO) and is based on the latest available experience of companies that filed data under the applicable reporting requirements.

Separate loss cost revisions have been prepared for Owners, Landlords and Tenants, for Manufacturers and Contractors, for Products and for Local Products/Completed Operations. The revisions are then combined to produce an overall loss cost revision for General Liability Other Than Professional.

Summary of Indications and Selected Loss Cost Level Changes	Manufacturers And Contractors	Owners, Landlords and Tenants	Overall Premises/ Operations	Products	Local Products/ Completed Operations	Products/ Completed Operations	Overall General Liability Other Than Professional
Statewide Indicated Monoline-Multiline Loss Cost Level Change (See Section B)	- 8.1%	+ 1.6%	- 3.7%				
Statewide Indicated Monoline Loss Cost Level Change (See Section B)	- 8.5%	- 2.2%	- 5.6%	- 12.3%*	- 18.3%**	- 16.7%	- 9.0%
Statewide Selected Monoline Loss Cost Level Change	- 8.5%	- 2.2%	- 5.6%	- 12.3%*	- 18.3%	- 16.7%	- 9.0%

* The statewide Products change is calculated by determining the effect, on statewide loss cost levels, of implementing the indicated multistate loss costs.

** The indicated statewide monoline change is calculated based on the indicated multistate monoline change.

MINNESOTA

OWNERS, LANDLORDS AND TENANTS LIABILITY INSURANCE
TERRITORY LOSS COST LEVEL CHANGES

<u>CODE</u>	<u>TERRITORY DESCRIPTION</u>	LATEST YEAR MONO/MULTI AGGREGATE LOSS COSTS AT CURRENT <u>LEVEL (ALCCL)</u>	INDICATED LOSS COST LEVEL CHANGE <u>BEFORE CAPPING</u>	LOSS COST LEVEL CHANGE <u>AFTER CAPPING</u>
501	Minneapolis and St. Paul and Vicinity	\$4,642,857	- 4.4%	- 4.4%
502	Remainder of State	\$7,107,494	- 0.9%	- 0.9%
503	Duluth	\$370,187	+ 0.1%	+ 0.1%
	STATEWIDE TOTAL	\$12,120,538	- 2.2%	- 2.2%

MINNESOTA
PREMISES/OPERATIONS
CLASS GROUP LOSS COST LEVEL CHANGES

MANUFACTURERS AND CONTRACTORS LIABILITY INSURANCE

CLASS		LATEST YEAR	INDICATED LOSS	LOSS COST
GROUP	DESCRIPTION	MONO/MULTI	COST LEVEL CHANGE	LEVEL CHANGE
		ALCCL	BEFORE CAPPING	AFTER CAPPING
30	SERVICE	\$ 683,933	- 7.1%	- 7.8%
31	LIGHT CONTRACTING	\$ 1,306,219	- 7.2%	- 8.0%
32	MEDIUM CONTRACTING	\$ 5,347,161	- 7.2%	- 7.9%
33	HEAVY CONTRACTING	\$ 1,686,700	- 7.7%	- 8.3%
34	DEALERS OR DISTRIBUTORS	\$ 1,295,523	- 9.3%	- 8.1%
35	LIGHT MANUFACTURERS	\$ 309,276	- 9.8%	- 8.4%
36	MEDIUM MANUFACTURERS	\$ 1,744,692	- 12.3%	- 11.1%
37	HEAVY MANUFACTURERS	\$ 1,168,565	- 9.3%	- 7.9%
38	MISCELLANEOUS OPERATIONS	\$ 1,103,886	- 11.0%	- 9.7%
	TOTAL	\$ 14,645,954	- 8.5%	- 8.5%

OWNERS, LANDLORDS AND TENANTS LIABILITY INSURANCE

CLASS		LATEST YEAR	INDICATED LOSS	LOSS COST
GROUP	DESCRIPTION	MONO/MULTI	COST LEVEL CHANGE	LEVEL CHANGE
		ALCCL	BEFORE CAPPING	AFTER CAPPING
01	FOOD AND BEVERAGE (RETAIL)	\$ 593,772	- 3.0%	- 2.6%
02	RESTAURANTS	\$ 1,016,155	- 2.5%	- 3.0%
03	STORES	\$ 777,348	- 3.0%	- 2.5%
04	VENDING AND RENTAL	\$ 66,875	- 2.6%	- 2.1%
05	FOOD AND BEVERAGE DISTRIBUTORS	\$ 134,309	- 1.9%	- 2.2%
06	NON-(FOOD AND BEVERAGE) DISTRIB.	\$ 416,134	- 1.4%	- 0.4%
07	CLUBS, AMUSEMENTS AND SPORTS	\$ 545,130	- 5.6%	- 5.2%
08	HEALTH CARE FACILITIES	\$ 168,298	- 1.3%	- 0.5%
09	HOTELS AND MOTELS	\$ 641,088	- 0.8%	- 1.2%
10	SCHOOLS AND CHURCHES	\$ 2,406,408	- 8.1%	- 7.8%
11	APARTMENTS	\$ 1,597,283	+ 0.9%	+ 0.1%
12	BUILDINGS AND OFFICES	\$ 3,627,665	+ 0.8%	+ 0.8%
13	MISCELLANEOUS PREMISES	\$ 129,264	- 0.7%	- 1.3%
16	GOVERNMENTAL SUBDIVISIONS	\$ 810	- 0.3%	+ 1.7%
	TOTAL	\$ 12,120,538	- 2.2%	- 2.2%

MINNESOTA

PRODUCTS/COMPLETED OPERATIONS LIABILITY INSURANCE
CLASS GROUP LOSS COST LEVEL CHANGES

CLASS GROUP	DESCRIPTION	LATEST YEAR MULTISTATE MONO/MULTI ALCCL AT MULTISTATE LEVEL	INDICATED MULTISTATE LOSS COST LEVEL CHANGE	LATEST YEAR STATEWIDE MONO/MULTI ALCCL AT CURRENT LEVEL	INDICATED STATEWIDE LOSS COST LEVEL CHANGE	SELECTED STATEWIDE LOSS COST LEVEL CHANGE
03	MANUFACTURERS, DEALERS OR DISTRIBUTORS- FOOD OR DRUG	\$ 29,971,705	- 11.7%	\$ 1,016,793	- 8.0%	- 8.0%
04	DEALERS OR DISTRIBUTORS-NOT FOOD OR DRUG	\$ 38,602,493	- 12.3%	\$ 1,065,935	- 15.4%	- 15.4%
05	MANUFACTURERS-NOT FOOD OR DRUG-LOW	\$ 4,495,269	- 10.8%	\$ 126,683	- 11.0%	- 11.0%
06	MANUFACTURERS-NOT FOOD OR DRUG-MEDIUM	\$ 33,819,957	- 12.1%	\$ 808,163	- 14.5%	- 14.5%
07	MANUFACTURERS-NOT FOOD OR DRUG-HIGH	\$ 8,325,383	- 13.6%	\$ 152,219	- 9.6%	- 9.6%
	PRODUCTS SUBTOTAL	\$ 115,214,806	- 12.1%	\$ 3,169,793	- 12.3%	- 12.3%
01	RETAIL STORES-FOOD OR DRUG			\$ 155,673	- 15.3%	- 13.7%
02	RETAIL STORES-NOT FOOD OR DRUG			\$ 399,638	- 18.3%	- 18.4%
11	COMPLETED OPERATIONS-LOW			\$ 658,808	- 13.8%	- 14.3%
12	COMPLETED OPERATIONS-MEDIUM			\$ 6,596,287	- 18.5%	- 18.5%
13	COMPLETED OPERATIONS-HIGH			\$ 605,790	- 21.5%	- 21.5%
	LOCAL PRODUCTS/COMPLETED OPERATIONS SUBTOTAL			\$ 8,416,195	- 18.3%	- 18.3%
	TOTAL			\$ 11,585,988	- 16.7%	- 16.7%

The indicated statewide Products change is calculated by determining the effect, on statewide loss cost levels, of implementing the indicated multistate loss costs.

For Products, the difference between the indicated multistate change and the indicated statewide change is a result of a difference in the distribution of risks by class in this jurisdiction versus the multistate.

For Local Products/Completed Operations, the indicated statewide monoline change is calculated based on the indicated multistate monoline change.

EXPLANATION OF LOSS COST CHANGES BY CLASS
GENERAL LIABILITY OTHER THAN PROFESSIONAL
SUBLINE CODES 334 AND 336

The proposed Commercial General Liability loss costs have been limited where necessary as follows:

- M&C classes reflect an upper cap of +25% and a lower cap of -29% relative to current loss costs;
- OL&T classes reflect an upper cap of +25% and a lower cap of -22% relative to current loss costs;
- Products classes reflect an upper cap of +25% and a lower cap of -32% relative to current multistate loss costs;
- Local Products/Completed Operations classes reflect an upper cap of +25% and a lower cap of -38% relative to current loss costs.

The statewide loss cost level change has been multiplied by a 'build back' factor to ensure that the selected overall change by subline is achieved. This is required to offset the effect of capped loss costs as well as the effect of revised classification differentials (if any) on the overall change. These factors are:

M&C: 0.992 OL&T: 1.000 LP/CO: 0.997

The Commercial General Liability loss costs are rounded as follows:

<u>Loss Costs</u>			<u>To the Nearest</u>
0	-	0.249	\$ 0.001
.25	-	9.99	0.01
10.00	-	99.99	0.10
100.00	-	Over	1.00

for example:

0.1111	rounds to	\$ 0.111
0.6777	rounds to	0.68
12.3436	rounds to	12.30
867.5432	rounds to	868.00

LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
10010	501	0.042	0.044	-4.5		10054	503	3.040	3.150	-3.5		10107	502	1.600	1.730	-7.5	
10010	502	0.097	0.097	0.0		10060	501	0.066	0.070	-5.7		10107	503	1.850	2.020	-8.4	
10010	503	0.064	0.063	+1.6		10060	502	0.130	0.131	-0.8		10110	501	12.600	13.800	-8.7	
10011	501	0.010	0.011	-9.1		10060	503	0.084	0.084	0.0		10110	502	13.400	13.900	-3.6	
10011	502	0.023	0.023	0.0		10065	501	0.098	0.104	-5.8		10110	503	16.900	17.400	-2.9	
10011	503	0.015	0.015	0.0		10065	502	0.195	0.197	-1.0		10111	501	0.053	0.055	-3.6	
10012	501	0.012	0.012	0.0		10065	503	0.126	0.127	-0.8		10111	502	0.122	0.121	+0.8	
10012	502	0.027	0.027	0.0		10066	501	0.100	0.106	-5.7		10111	503	0.080	0.079	+1.3	
10012	503	0.018	0.017	+5.9		10066	502	0.199	0.201	-1.0		10113	501	0.133	0.141	-5.7	
10015	501	3.710	4.050	-8.4		10066	503	0.128	0.129	-0.8		10113	502	0.260	0.270	-3.7	
10015	502	3.930	4.090	-3.9		10070	501	0.024	0.025	-4.0		10113	503	0.170	0.171	-0.6	
10015	503	4.950	5.130	-3.5		10070	502	0.056	0.056	0.0		10115	501	0.260	0.280	-7.1	
10025	501	0.010	0.011	-9.1		10070	503	0.036	0.036	0.0		10115	502	0.520	0.530	-1.9	
10025	502	0.023	0.023	0.0		10071	501	0.118	0.125	-5.6		10115	503	0.340	0.340	0.0	
10025	503	0.015	0.015	0.0		10071	502	0.233	0.235	-0.9		10117	501	3.680	4.020	-8.5	
10026	501	0.239	0.250	-4.4		10071	503	0.150	0.152	-1.3		10117	502	3.900	4.060	-3.9	
10026	502	0.470	0.480	-2.1		10072	501	3.710	4.100	-9.5		10117	503	4.920	5.090	-3.3	
10026	503	0.310	0.310	0.0		10072	502	2.560	2.840	-9.9		10120	501	8.260	9.010	-8.3	
10027	501	0.010	0.011	-9.1		10072	503	2.210	2.460	-10.2		10120	502	8.750	9.110	-4.0	
10027	502	0.023	0.023	0.0		10073	501	0.550	0.600	-8.3		10120	503	11.000	11.400	-3.5	
10027	503	0.015	0.015	0.0		10073	502	0.520	0.570	-8.8		10130	501	1.310	1.390	-5.8	
10036	501	0.360	0.390	-7.7		10073	503	0.600	0.660	-9.1		10130	502	2.590	2.620	-1.1	
10036	502	0.340	0.360	-5.6		10075	501	4.110	4.470	-8.1		10130	503	1.670	1.690	-1.2	
10036	503	0.390	0.420	-7.1		10075	502	3.880	4.210	-7.8		10132	501	1.130	1.200	-5.8	
10040	501	0.032	0.034	-5.9		10075	503	4.490	4.890	-8.2		10132	502	2.230	2.260	-1.3	
10040	502	0.074	0.074	0.0		10100	501	0.260	0.270	-3.7		10132	503	1.440	1.450	-0.7	
10040	503	0.048	0.048	0.0		10100	502	0.460	0.460	0.0		10133	501	1.440	1.520	-5.3	
10042	501	0.137	0.145	-5.5		10100	503	0.410	0.420	-2.4		10133	502	2.360	2.370	-0.4	
10042	502	0.270	0.270	0.0		10101	501	0.089	0.094	-5.3		10133	503	2.310	2.320	-0.4	
10042	503	0.175	0.176	-0.6		10101	502	0.176	0.177	-0.6		10140	501	0.015	0.016	-6.3	
10052	501	2.560	2.800	-8.6		10101	503	0.113	0.114	-0.9		10140	502	0.016	0.016	0.0	
10052	502	2.720	2.830	-3.9		10105	501	0.960	1.020	-5.9		10140	503	0.020	0.020	0.0	
10052	503	3.420	3.550	-3.7		10105	502	1.900	1.920	-1.0		10141	501	0.030	0.032	-6.3	
10054	501	2.280	2.480	-8.1		10105	503	1.230	1.240	-0.8		10141	502	0.032	0.033	-3.0	
10054	502	2.410	2.510	-4.0		10107	501	1.690	1.840	-8.2		10141	503	0.039	0.039	0.0	

L - Lower Cap Applied
 U - Upper Cap Applied
 N - Not Subject to Capping
 E - Subject to Capping Exception

LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
10145	501	0.146	0.153	-4.6		10256	503	0.530	0.570	-7.0		10381	502	3.700	3.850	-3.9	
10145	502	0.156	0.157	-0.6		10257	501	0.091	0.099	-8.1		10381	503	4.670	4.830	-3.3	
10145	503	0.189	0.188	+0.5		10257	502	0.086	0.093	-7.5		11007	501	1.390	1.540	-9.7	
10146	501	0.117	0.122	-4.1		10257	503	0.099	0.108	-8.3		11007	502	0.960	1.070	-10.3	
10146	502	0.204	0.205	-0.5		10309	501	0.060	0.063	-4.8		11007	503	0.830	0.920	-9.8	
10146	503	0.184	0.186	-1.1		10309	502	0.118	0.120	-1.7		11020	501	0.112	0.119	-5.9	
10150	501	0.183	0.194	-5.7		10309	503	0.076	0.077	-1.3		11020	502	0.221	0.224	-1.3	
10150	502	0.360	0.370	-2.7		10315	501	0.141	0.149	-5.4		11020	503	0.143	0.144	-0.7	
10150	503	0.234	0.236	-0.8		10315	502	0.280	0.280	0.0		11039	501	0.480	0.520	-7.7	
10151	501	4.620	4.900	-5.7		10315	503	0.180	0.181	-0.6		11039	502	0.450	0.490	-8.2	
10151	502	9.130	9.230	-1.1		10331	501	5.030	5.490	-8.4		11039	503	0.530	0.570	-7.0	
10151	503	5.900	5.940	-0.7		10331	502	5.330	5.550	-4.0		11052	501	1.490	1.580	-5.7	
10160	501	0.820	0.870	-5.7		10331	503	6.710	6.950	-3.5		11052	502	2.450	2.470	-0.8	
10160	502	1.630	1.640	-0.6		10332	501	8.670	9.470	-8.4		11052	503	2.410	2.410	0.0	
10160	503	1.050	1.060	-0.9		10332	502	9.190	9.570	-4.0		11126	501	0.023	0.025	-8.0	
10204	501	0.083	0.088	-5.7		10332	503	11.600	12.000	-3.3		11126	502	0.046	0.046	0.0	
10204	502	0.164	0.166	-1.2		10352	501	0.152	0.160	-5.0		11126	503	0.030	0.030	0.0	
10204	503	0.106	0.107	-0.9		10352	502	0.270	0.270	0.0		11127	501	0.135	0.141	-4.3	
10205	501	0.093	0.098	-5.1		10352	503	0.241	0.242	-0.4		11127	502	0.310	0.310	0.0	
10205	502	0.183	0.185	-1.1		10367	501	3.280	3.620	-9.4		11127	503	0.203	0.201	+1.0	
10205	503	0.118	0.119	-0.8		10367	502	2.270	2.510	-9.6		11128	501	0.183	0.190	-3.7	
10210	501	0.149	0.158	-5.7		10367	503	1.960	2.170	-9.7		11128	502	0.420	0.420	0.0	
10210	502	0.290	0.300	-3.3		10368	501	4.790	5.300	-9.6		11128	503	0.270	0.270	0.0	
10210	503	0.190	0.191	-0.5		10368	502	3.310	3.670	-9.8		11138	501	1.260	1.370	-8.0	
10211	501	0.149	0.158	-5.7		10368	503	2.860	3.180	-10.1		11138	502	1.330	1.390	-4.3	
10211	502	0.290	0.300	-3.3		10378	501	5.090	5.560	-8.5		11138	503	1.680	1.740	-3.4	
10211	503	0.190	0.191	-0.5		10378	502	5.390	5.620	-4.1		11155	501	0.079	0.084	-6.0	
10220	501	1.750	1.850	-5.4		10378	503	6.800	7.040	-3.4		11155	502	0.157	0.158	-0.6	
10220	502	3.450	3.490	-1.1		10379	501	2.360	2.580	-8.5		11155	503	0.101	0.102	-1.0	
10220	503	2.230	2.250	-0.9		10379	502	2.500	2.610	-4.2		11167	501	0.340	0.360	-5.6	
10255	501	0.132	0.143	-7.7		10379	503	3.160	3.270	-3.4		11167	502	0.560	0.570	-1.8	
10255	502	0.124	0.135	-8.1		10380	501	4.040	4.400	-8.2		11167	503	0.550	0.560	-1.8	
10255	503	0.144	0.157	-8.3		10380	502	4.280	4.450	-3.8		11168	501	1.790	1.890	-5.3	
10256	501	0.480	0.520	-7.7		10380	503	5.390	5.580	-3.4		11168	502	2.930	2.950	-0.7	
10256	502	0.460	0.490	-6.1		10381	501	3.500	3.810	-8.1		11168	503	2.880	2.890	-0.3	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
11201	501	12.200	13.500	-9.6		11213	503	0.940	1.040	-9.6		12361	502	0.035	0.035	0.0	
11201	502	8.430	9.340	-9.7		11214	501	3.870	4.280	-9.6		12361	503	0.043	0.042	+2.4	
11201	503	7.280	8.090	-10.0		11214	502	2.670	2.960	-9.8		12362	501	0.027	0.028	-3.6	
11202	501	3.610	3.990	-9.5		11214	503	2.310	2.570	-10.1		12362	502	0.061	0.061	0.0	
11202	502	2.490	2.760	-9.8		11222	501	0.065	0.072	-9.7		12362	503	0.040	0.040	0.0	
11202	503	2.150	2.390	-10.0		11222	502	0.045	0.050	-10.0		12373	501	0.010	0.011	-9.1	
11203	501	0.310	0.330	-6.1		11222	503	0.039	0.043	-9.3		12373	502	0.023	0.023	0.0	
11203	502	0.720	0.720	0.0		11234	501	0.104	0.111	-6.3		12373	503	0.015	0.015	0.0	
11203	503	0.470	0.470	0.0		11234	502	0.206	0.208	-1.0		12374	501	0.228	0.242	-5.8	
11204	501	0.116	0.123	-5.7		11234	503	0.133	0.134	-0.7		12374	502	0.450	0.460	-2.2	
11204	502	0.229	0.231	-0.9		11248	501	0.025	0.027	-7.4		12374	503	0.290	0.290	0.0	
11204	503	0.148	0.149	-0.7		11248	502	0.024	0.026	-7.7		12375	501	0.112	0.119	-5.9	
11206	501	0.570	0.630	-9.5		11248	503	0.027	0.030	-10.0		12375	502	0.221	0.224	-1.3	
11206	502	0.390	0.430	-9.3		11258	501	0.310	0.330	-6.1		12375	503	0.143	0.144	-0.7	
11206	503	0.340	0.380	-10.5		11258	502	0.550	0.550	0.0		12391	501	0.020	0.021	-4.8	
11207	501	7.150	7.900	-9.5		11258	503	0.500	0.500	0.0		12391	502	0.046	0.046	0.0	
11207	502	4.940	5.470	-9.7		11259	501	0.340	0.350	-2.9		12391	503	0.030	0.030	0.0	
11207	503	4.270	4.740	-9.9		11259	502	0.590	0.590	0.0		12393	501	0.149	0.158	-5.7	
11208	501	1.220	1.350	-9.6		11259	503	0.530	0.540	-1.9		12393	502	0.290	0.300	-3.3	
11208	502	0.850	0.940	-9.6		11273	501	5.170	5.480	-5.7		12393	503	0.190	0.191	-0.5	
11208	503	0.730	0.810	-9.9		11273	502	10.200	10.300	-1.0		12467	501	0.062	0.066	-6.1	
11209	501	5.750	6.360	-9.6		11273	503	6.600	6.650	-0.8		12467	502	0.122	0.123	-0.8	
11209	502	3.980	4.410	-9.8		11274	501	4.960	5.260	-5.7		12467	503	0.079	0.080	-1.2	
11209	503	3.430	3.820	-10.2		11274	502	9.810	9.910	-1.0		12509	501	0.033	0.036	-8.3	
11210	501	2.450	2.710	-9.6		11274	503	6.330	6.380	-0.8		12509	502	0.031	0.034	-8.8	
11210	502	1.690	1.880	-10.1		11288	501	0.390	0.400	-2.5		12509	503	0.036	0.039	-7.7	
11210	503	1.460	1.630	-10.4		11288	502	0.670	0.680	-1.5		12510	501	0.420	0.450	-6.7	
11211	501	12.700	14.100	-9.9		11288	503	0.610	0.610	0.0		12510	502	0.390	0.430	-9.3	
11211	502	8.800	9.750	-9.7		12014	501	0.054	0.059	-8.5		12510	503	0.460	0.500	-8.0	
11211	503	7.600	8.450	-10.1		12014	502	0.051	0.055	-7.3		12583	501	0.186	0.202	-7.9	
11212	501	1.930	2.130	-9.4		12014	503	0.059	0.064	-7.8		12583	502	0.175	0.190	-7.9	
11212	502	1.330	1.480	-10.1		12356	501	0.440	0.460	-4.3		12583	503	0.203	0.221	-8.1	
11212	503	1.150	1.280	-10.2		12356	502	0.870	0.880	-1.1		12651	501	0.540	0.590	-8.5	
11213	501	1.570	1.740	-9.8		12356	503	0.560	0.560	0.0		12651	502	0.510	0.560	-8.9	
11213	502	1.090	1.200	-9.2		12361	501	0.033	0.035	-5.7		12651	503	0.590	0.650	-9.2	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
12683	501	0.248	0.270	-8.1		13205	503	0.227	0.248	-8.5		13621	502	0.062	0.068	-8.8	
12683	502	0.234	0.250	-6.4		13314	501	0.044	0.047	-6.4		13621	503	0.072	0.079	-8.9	
12683	503	0.270	0.300	-10.0		13314	502	0.088	0.089	-1.1		13670	501	0.018	0.019	-5.3	
12707	501	0.175	0.182	-3.8		13314	503	0.057	0.057	0.0		13670	502	0.020	0.020	0.0	
12707	502	0.400	0.400	0.0		13351	501	0.108	0.115	-6.1		13670	503	0.024	0.024	0.0	
12707	503	0.260	0.260	0.0		13351	502	0.214	0.216	-0.9		13673	501	0.239	0.250	-4.4	
12797	501	0.037	0.038	-2.6		13351	503	0.138	0.139	-0.7		13673	502	0.420	0.420	0.0	
12797	502	0.085	0.084	+1.2		13352	501	0.110	0.117	-6.0		13673	503	0.380	0.380	0.0	
12797	503	0.055	0.055	0.0		13352	502	0.218	0.220	-0.9		13715	501	0.027	0.028	-3.6	
12805	501	0.120	0.127	-5.5		13352	503	0.141	0.142	-0.7		13715	502	0.061	0.061	0.0	
12805	502	0.237	0.239	-0.8		13410	501	0.760	0.820	-7.3		13715	503	0.040	0.040	0.0	
12805	503	0.153	0.154	-0.6		13410	502	0.720	0.780	-7.7		13716	501	0.168	0.178	-5.6	
12841	501	0.199	0.211	-5.7		13410	503	0.830	0.900	-7.8		13716	502	0.330	0.340	-2.9	
12841	502	0.390	0.400	-2.5		13412	501	0.260	0.280	-7.1		13716	503	0.214	0.216	-0.9	
12841	503	0.250	0.260	-3.8		13412	502	0.241	0.260	-7.3		13720	501	0.135	0.141	-4.3	
12927	501	0.035	0.037	-5.4		13412	503	0.280	0.300	-6.7		13720	502	0.235	0.236	-0.4	
12927	502	0.069	0.069	0.0		13453	501	0.300	0.320	-6.3		13720	503	0.212	0.214	-0.9	
12927	503	0.044	0.045	-2.2		13453	502	0.280	0.300	-6.7		13759	501	0.066	0.070	-5.7	
13049	501	0.017	0.018	-5.6		13453	503	0.320	0.350	-8.6		13759	502	0.130	0.131	-0.8	
13049	502	0.018	0.018	0.0		13454	501	0.350	0.380	-7.9		13759	503	0.084	0.084	0.0	
13049	503	0.022	0.022	0.0		13454	502	0.330	0.350	-5.7		13930	501	0.057	0.059	-3.4	
13111	501	0.290	0.310	-6.5		13454	503	0.380	0.410	-7.3		13930	502	0.130	0.130	0.0	
13111	502	0.510	0.510	0.0		13455	501	0.350	0.380	-7.9		13930	503	0.085	0.085	0.0	
13111	503	0.460	0.460	0.0		13455	502	0.330	0.360	-8.3		14068	501	0.014	0.015	-6.7	
13112	501	0.028	0.029	-3.4		13455	503	0.380	0.420	-9.5		14068	502	0.029	0.029	0.0	
13112	502	0.030	0.030	0.0		13506	501	0.340	0.360	-5.6		14068	503	0.018	0.019	-5.3	
13112	503	0.036	0.036	0.0		13506	502	0.670	0.680	-1.5		14101	501	0.170	0.180	-5.6	
13201	501	0.480	0.520	-7.7		13506	503	0.430	0.440	-2.3		14101	502	0.340	0.340	0.0	
13201	502	0.450	0.490	-8.2		13507	501	0.410	0.430	-4.7		14101	503	0.217	0.219	-0.9	
13201	503	0.520	0.570	-8.8		13507	502	0.810	0.820	-1.2		14279	501	0.250	0.270	-7.4	
13204	501	0.540	0.590	-8.5		13507	503	0.520	0.530	-1.9		14279	502	0.238	0.260	-8.5	
13204	502	0.510	0.560	-8.9		13590	501	0.260	0.280	-7.1		14279	503	0.270	0.300	-10.0	
13204	503	0.590	0.650	-9.2		13590	502	0.246	0.270	-8.9		14401	501	0.320	0.330	-3.0	
13205	501	0.209	0.226	-7.5		13590	503	0.280	0.310	-9.7		14401	502	0.550	0.560	-1.8	
13205	502	0.197	0.213	-7.5		13621	501	0.066	0.072	-8.3		14401	503	0.500	0.500	0.0	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
14405	501	0.820	0.910	-9.9		15070	503	0.066	0.073	-9.6		15600	502	0.700	0.710	-1.4	
14405	502	0.570	0.630	-9.5		15123	501	1.430	1.510	-5.3		15600	503	0.450	0.460	-2.2	
14405	503	0.490	0.540	-9.3		15123	502	2.350	2.370	-0.8		15607	501	0.144	0.159	-9.4	
14527	501	0.109	0.113	-3.5		15123	503	2.310	2.320	-0.4		15607	502	0.099	0.110	-10.0	
14527	502	0.249	0.248	+0.4		15124	501	0.500	0.530	-5.7		15607	503	0.086	0.095	-9.5	
14527	503	0.163	0.162	+0.6		15124	502	0.820	0.830	-1.2		15608	501	0.079	0.084	-6.0	
14655	501	0.033	0.035	-5.7		15124	503	0.810	0.810	0.0		15608	502	0.157	0.158	-0.6	
14655	502	0.065	0.066	-1.5		15188	501	0.183	0.199	-8.0		15608	503	0.101	0.102	-1.0	
14655	503	0.042	0.042	0.0		15188	502	0.173	0.188	-8.0		15656	501	2.340	2.480	-5.6	
14731	501	1.480	1.570	-5.7		15188	503	0.200	0.218	-8.3		15656	502	4.620	4.670	-1.1	
14731	502	2.430	2.450	-0.8		15223	501	0.022	0.023	-4.3		15656	503	2.990	3.010	-0.7	
14731	503	2.390	2.400	-0.4		15223	502	0.023	0.023	0.0		15699	501	0.350	0.390	-10.3	
14732	501	0.110	0.116	-5.2		15223	503	0.028	0.028	0.0		15699	502	0.245	0.270	-9.3	
14732	502	0.180	0.181	-0.6		15224	501	0.142	0.149	-4.7		15699	503	0.212	0.235	-9.8	
14732	503	0.177	0.177	0.0		15224	502	0.248	0.250	-0.8		15733	501	0.116	0.126	-7.9	
14733	501	0.230	0.244	-5.7		15224	503	0.225	0.226	-0.4		15733	502	0.109	0.119	-8.4	
14733	502	0.450	0.460	-2.2		15314	501	0.079	0.084	-6.0		15733	503	0.127	0.138	-8.0	
14733	503	0.290	0.300	-3.3		15314	502	0.157	0.158	-0.6		15839	501	0.106	0.113	-6.2	
14734	501	0.098	0.104	-5.8		15314	503	0.101	0.102	-1.0		15839	502	0.210	0.212	-0.9	
14734	502	0.195	0.197	-1.0		15404	501	0.048	0.052	-7.7		15839	503	0.136	0.137	-0.7	
14734	503	0.126	0.127	-0.8		15404	502	0.045	0.049	-8.2		15991	501	0.087	0.092	-5.4	
14855	501	0.116	0.126	-7.9		15404	503	0.052	0.057	-8.8		15991	502	0.172	0.174	-1.1	
14855	502	0.109	0.119	-8.4		15405	501	0.070	0.076	-7.9		15991	503	0.111	0.112	-0.9	
14855	503	0.127	0.138	-8.0		15405	502	0.066	0.072	-8.3		15993	501	0.073	0.078	-6.4	
14913	501	0.124	0.131	-5.3		15405	503	0.076	0.083	-8.4		15993	502	0.145	0.147	-1.4	
14913	502	0.244	0.247	-1.2		15406	501	0.178	0.193	-7.8		15993	503	0.094	0.094	0.0	
14913	503	0.158	0.159	-0.6		15406	502	0.168	0.182	-7.7		16005	501	0.014	0.015	-6.7	
15062	501	0.104	0.113	-8.0		15406	503	0.194	0.212	-8.5		16005	502	0.032	0.032	0.0	
15062	502	0.098	0.107	-8.4		15488	501	0.440	0.480	-8.3		16005	503	0.021	0.021	0.0	
15062	503	0.114	0.124	-8.1		15488	502	0.420	0.460	-8.7		16009	501	0.143	0.155	-7.7	
15063	501	0.121	0.132	-8.3		15488	503	0.480	0.530	-9.4		16009	502	0.134	0.146	-8.2	
15063	502	0.114	0.124	-8.1		15538	501	0.141	0.149	-5.4		16009	503	0.155	0.170	-8.8	
15063	503	0.132	0.144	-8.3		15538	502	0.280	0.280	0.0		16402	501	0.530	0.560	-5.4	
15070	501	0.110	0.121	-9.1		15538	503	0.180	0.181	-0.6		16402	502	1.040	1.050	-1.0	
15070	502	0.076	0.084	-9.5		15600	501	0.360	0.380	-5.3		16402	503	0.670	0.680	-1.5	

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LOSS COST PERCENT CHANGE BY CLASS

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16403	501	0.330	0.350	-5.7		16750	503	0.049	0.050	-2.0		16906	502	0.910	0.920	-1.1	
16403	502	0.660	0.660	0.0		16751	501	0.039	0.041	-4.9		16906	503	0.870	0.870	0.0	
16403	503	0.420	0.430	-2.3		16751	502	0.076	0.077	-1.3		16910	501	0.780	0.820	-4.9	
16404	501	0.420	0.440	-4.5		16751	503	0.049	0.050	-2.0		16910	502	0.820	0.820	0.0	
16404	502	0.830	0.840	-1.2		16819	501	0.630	0.680	-7.4		16910	503	0.770	0.780	-1.3	
16404	503	0.530	0.540	-1.9		16819	502	0.590	0.650	-9.2		16911	501	0.710	0.740	-4.1	
16471	501	0.203	0.224	-9.4		16819	503	0.690	0.750	-8.0		16911	502	0.740	0.750	-1.3	
16471	502	0.140	0.155	-9.7		16820	501	0.490	0.530	-7.5		16911	503	0.700	0.700	0.0	
16471	503	0.121	0.135	-10.4		16820	502	0.460	0.500	-8.0		16915	501	0.800	0.840	-4.8	
16501	501	0.030	0.031	-3.2		16820	503	0.530	0.580	-8.6		16915	502	0.840	0.850	-1.2	
16501	502	0.069	0.068	+1.5		16881	501	0.600	0.640	-6.3		16915	503	0.790	0.800	-1.2	
16501	503	0.045	0.045	0.0		16881	502	1.200	1.210	-0.8		16916	501	0.670	0.700	-4.3	
16527	501	0.046	0.048	-4.2		16881	503	0.770	0.780	-1.3		16916	502	0.700	0.700	0.0	
16527	502	0.105	0.105	0.0		16890	501	0.074	0.080	-7.5		16916	503	0.660	0.660	0.0	
16527	503	0.069	0.068	+1.5		16890	502	0.070	0.076	-7.9		16920	501	1.770	1.870	-5.3	
16588	501	0.066	0.072	-8.3		16890	503	0.081	0.088	-8.0		16920	502	1.850	1.870	-1.1	
16588	502	0.062	0.068	-8.8		16891	501	0.081	0.087	-6.9		16920	503	1.760	1.770	-0.6	
16588	503	0.072	0.079	-8.9		16891	502	0.076	0.082	-7.3		16921	501	1.620	1.710	-5.3	
16604	501	0.111	0.120	-7.5		16891	503	0.088	0.096	-8.3		16921	502	1.690	1.710	-1.2	
16604	502	0.104	0.113	-8.0		16892	501	0.147	0.159	-7.5		16921	503	1.610	1.610	0.0	
16604	503	0.121	0.132	-8.3		16892	502	0.138	0.150	-8.0		16930	501	1.020	1.070	-4.7	
16670	501	2.090	2.280	-8.3		16892	503	0.160	0.174	-8.0		16930	502	1.070	1.080	-0.9	
16670	502	2.210	2.300	-3.9		16900	501	1.300	1.370	-5.1		16930	503	1.010	1.020	-1.0	
16670	503	2.790	2.890	-3.5		16900	502	1.360	1.370	-0.7		16931	501	1.100	1.160	-5.2	
16676	501	0.110	0.117	-6.0		16900	503	1.290	1.290	0.0		16931	502	1.150	1.160	-0.9	
16676	502	0.218	0.220	-0.9		16901	501	0.830	0.880	-5.7		16931	503	1.090	1.100	-0.9	
16676	503	0.141	0.142	-0.7		16901	502	0.870	0.880	-1.1		16940	501	2.210	2.330	-5.2	
16694	501	0.219	0.238	-8.0		16901	503	0.830	0.830	0.0		16940	502	2.310	2.340	-1.3	
16694	502	0.206	0.224	-8.0		16902	501	0.710	0.740	-4.1		16940	503	2.200	2.200	0.0	
16694	503	0.239	0.260	-8.1		16902	502	0.740	0.750	-1.3		16941	501	0.880	0.930	-5.4	
16705	501	0.085	0.089	-4.5		16902	503	0.700	0.700	0.0		16941	502	0.930	0.940	-1.1	
16705	502	0.195	0.195	0.0		16905	501	1.360	1.440	-5.6		16941	503	0.880	0.880	0.0	
16705	503	0.128	0.127	+0.8		16905	502	1.430	1.440	-0.7		18078	501	0.048	0.050	-4.0	
16750	501	0.039	0.041	-4.9		16905	503	1.360	1.360	0.0		18078	502	0.111	0.110	+0.9	
16750	502	0.076	0.077	-1.3		16906	501	0.870	0.920	-5.4		18078	503	0.072	0.072	0.0	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
18109	501	0.145	0.154	-5.8		18507	503	0.089	0.089	0.0		19795	502	0.225	0.228	-1.3	
18109	502	0.290	0.290	0.0		18570	501	0.730	0.770	-5.2		19795	503	0.145	0.147	-1.4	
18109	503	0.185	0.186	-0.5		18570	502	1.440	1.450	-0.7		19796	501	0.133	0.141	-5.7	
18110	501	0.116	0.123	-5.7		18570	503	0.930	0.930	0.0		19796	502	0.260	0.270	-3.7	
18110	502	0.229	0.231	-0.9		18616	501	0.177	0.192	-7.8		19796	503	0.170	0.171	-0.6	
18110	503	0.148	0.149	-0.7		18616	502	0.167	0.181	-7.7		40045	501	116.000	126.000	-7.9	
18205	501	0.074	0.077	-3.9		18616	503	0.193	0.210	-8.1		40045	502	122.000	127.000	-3.9	
18205	502	0.171	0.170	+0.6		18707	501	0.004	0.004	0.0		40045	503	154.000	160.000	-3.7	
18205	503	0.112	0.111	+0.9		18707	502	0.009	0.009	0.0		40046	501	22.800	24.900	-8.4	
18206	501	0.187	0.199	-6.0		18707	503	0.006	0.006	0.0		40046	502	24.200	25.200	-4.0	
18206	502	0.370	0.370	0.0		18708	501	0.042	0.045	-6.7		40046	503	30.500	31.600	-3.5	
18206	503	0.239	0.241	-0.8		18708	502	0.084	0.085	-1.2		40047	501	8.150	8.890	-8.3	
18335	501	0.135	0.143	-5.6		18708	503	0.054	0.055	-1.8		40047	502	8.630	8.990	-4.0	
18335	502	0.270	0.270	0.0		18833	501	0.048	0.050	-4.0		40047	503	10.900	11.300	-3.5	
18335	503	0.173	0.174	-0.6		18833	502	0.110	0.109	+0.9		40059	501	2.920	3.180	-8.2	
18435	501	0.280	0.290	-3.4		18833	503	0.072	0.071	+1.4		40059	502	3.090	3.220	-4.0	
18435	502	0.480	0.490	-2.0		18834	501	0.110	0.117	-6.0		40059	503	3.890	4.030	-3.5	
18435	503	0.440	0.440	0.0		18834	502	0.218	0.220	-0.9		40061	501	1.550	1.690	-8.3	
18436	501	0.223	0.234	-4.7		18834	503	0.141	0.142	-0.7		40061	502	1.640	1.710	-4.1	
18436	502	0.390	0.390	0.0		18911	501	0.350	0.370	-5.4		40061	503	2.060	2.140	-3.7	
18436	503	0.350	0.350	0.0		18911	502	0.690	0.690	0.0		40063	501	51.700	56.500	-8.5	
18437	501	0.193	0.205	-5.9		18911	503	0.440	0.450	-2.2		40063	502	54.800	57.100	-4.0	
18437	502	0.380	0.390	-2.6		18912	501	0.650	0.690	-5.8		40063	503	69.100	71.500	-3.4	
18437	503	0.247	0.248	-0.4		18912	502	1.290	1.310	-1.5		40064	501	15.200	16.600	-8.4	
18438	501	0.370	0.390	-5.1		18912	503	0.840	0.840	0.0		40064	502	16.100	16.800	-4.2	
18438	502	0.730	0.740	-1.4		18920	501	0.170	0.180	-5.6		40064	503	20.300	21.000	-3.3	
18438	503	0.470	0.480	-2.1		18920	502	0.340	0.340	0.0		40075	501	29.100	30.100	-3.3	
18501	501	0.250	0.270	-7.4		18920	503	0.217	0.219	-0.9		40075	502	21.900	21.600	+1.4	
18501	502	0.440	0.450	-2.2		19007	501	0.560	0.590	-5.1		40075	503	18.600	18.300	+1.6	
18501	503	0.400	0.400	0.0		19007	502	0.920	0.930	-1.1		40101	501	9.910	10.300	-3.8	
18506	501	0.232	0.250	-7.2		19007	503	0.900	0.910	-1.1		40101	502	12.800	12.800	0.0	
18506	502	0.219	0.238	-8.0		19051	501	1.240	1.310	-5.3		40101	503	30.500	30.200	+1.0	
18506	503	0.250	0.280	-10.7		19051	502	2.040	2.050	-0.5		40102	501	8.760	9.130	-4.1	
18507	501	0.070	0.074	-5.4		19051	503	2.000	2.010	-0.5		40102	502	11.300	11.300	0.0	
18507	502	0.137	0.139	-1.4		19795	501	0.114	0.121	-5.8		40102	503	27.000	26.700	+1.1	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
40111	501	4.100	4.470	-8.3		41667	503	63.900	66.100	-3.3		43152	502	14.900	14.500	+2.8	
40111	502	4.340	4.520	-4.0		41668	501	44.800	48.900	-8.4		43152	503	17.200	16.700	+3.0	
40111	503	5.470	5.670	-3.5		41668	502	47.500	49.500	-4.0		43200	501	55.000	57.000	-3.5	
41001	501	0.138	0.151	-8.6		41668	503	59.900	62.000	-3.4		43200	502	41.400	40.900	+1.2	
41001	502	0.147	0.153	-3.9		41669	501	0.310	0.340	-8.8		43200	503	35.200	34.700	+1.4	
41001	503	0.185	0.191	-3.1		41669	502	0.330	0.350	-5.7		43421	501	15.100	15.600	-3.2	
41421	501	0.350	0.390	-10.3		41669	503	0.420	0.430	-2.3		43421	502	11.400	11.200	+1.8	
41421	502	0.320	0.340	-5.9		41670	501	0.530	0.580	-8.6		43421	503	9.660	9.510	+1.6	
41421	503	0.380	0.410	-7.3		41670	502	0.560	0.580	-3.4		43422	501	79.100	82.000	-3.5	
41422	501	0.187	0.209	-10.5		41670	503	0.700	0.730	-4.1		43422	502	59.600	58.800	+1.4	
41422	502	0.170	0.181	-6.1		41677	501	0.211	0.233	-9.4		43422	503	50.700	49.900	+1.6	
41422	503	0.204	0.216	-5.6		41677	502	0.146	0.161	-9.3		43470	501	3.890	4.300	-9.5	
41510	501	17.500	18.500	-5.4		41677	503	0.126	0.139	-9.4		43470	502	2.690	2.980	-9.7	
41510	502	34.600	34.900	-0.9		41678	501	35.700	36.500	-2.2		43470	503	2.320	2.580	-10.1	
41510	503	22.300	22.500	-0.9		41678	502	49.600	48.300	+2.7		43518	501	7.510	8.190	-8.3	
41603	501	16.600	18.600	-10.8		41678	503	57.400	55.600	+3.2		43518	502	7.950	8.280	-4.0	
41603	502	15.100	16.100	-6.2		41680	501	12.100	13.600	-11.0		43518	503	10.000	10.400	-3.8	
41603	503	18.100	19.200	-5.7		41680	502	11.000	11.800	-6.8		43550	501	53.800	55.800	-3.6	
41604	501	9.100	10.200	-10.8		41680	503	13.200	14.100	-6.4		43550	502	40.500	40.000	+1.2	
41604	502	8.280	8.840	-6.3		41696	501	0.670	0.740	-9.5		43550	503	34.500	33.900	+1.8	
41604	503	9.920	10.500	-5.5		41696	502	0.460	0.510	-9.8		43551	501	29.800	30.900	-3.6	
41620	501	1.020	1.130	-9.7		41696	503	0.400	0.440	-9.1		43551	502	22.500	22.200	+1.4	
41620	502	0.710	0.780	-9.0		41697	501	0.460	0.510	-9.8		43551	503	19.100	18.800	+1.6	
41620	503	0.610	0.680	-10.3		41697	502	0.320	0.360	-11.1		43626	501	6.000	6.540	-8.3	
41650	501	23.300	26.100	-10.7		41697	503	0.280	0.310	-9.7		43626	502	6.350	6.610	-3.9	
41650	502	21.200	22.700	-6.6		41715	501	7.700	8.630	-10.8		43626	503	8.010	8.290	-3.4	
41650	503	25.400	27.000	-5.9		41715	502	7.000	7.480	-6.4		43628	501	77.900	85.000	-8.4	
41664	501	17.500	19.100	-8.4		41715	503	8.390	8.930	-6.0		43628	502	82.600	86.000	-4.0	
41664	502	18.500	19.300	-4.1		41716	501	4.900	5.490	-10.7		43628	503	104.000	108.000	-3.7	
41664	503	23.400	24.200	-3.3		41716	502	4.460	4.760	-6.3		43629	501	66.000	72.100	-8.5	
41665	501	2.050	2.240	-8.5		41716	503	5.340	5.680	-6.0		43629	502	70.000	72.800	-3.8	
41665	502	2.170	2.260	-4.0		43151	501	14.500	15.000	-3.3		43629	503	88.200	91.300	-3.4	
41665	503	2.740	2.830	-3.2		43151	502	10.900	10.700	+1.9		43760	501	2.200	2.400	-8.3	
41667	501	47.800	52.200	-8.4		43151	503	9.260	9.110	+1.6		43760	502	2.330	2.430	-4.1	
41667	502	50.700	52.800	-4.0		43152	501	10.700	10.900	-1.8		43760	503	2.940	3.040	-3.3	

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Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
43822	501	3.090	3.400	-9.1		44102	503	3.340	3.270	+2.1		44315	502	2.760	2.870	-3.8	
43822	502	2.140	2.360	-9.3		44103	501	2.060	2.130	-3.3		44315	503	3.470	3.600	-3.6	
43822	503	1.850	2.040	-9.3		44103	502	2.610	2.570	+1.6		44427	501	35.800	37.400	-4.3	
43840	501	0.038	0.042	-9.5		44103	503	2.950	2.890	+2.1		44427	502	46.300	46.100	+0.4	
43840	502	0.026	0.029	-10.3		44104	501	0.870	0.890	-2.2		44427	503	110.000	109.000	+0.9	
43840	503	0.023	0.025	-8.0		44104	502	1.100	1.080	+1.9		44428	501	36.000	37.600	-4.3	
43860	501	2.430	2.690	-9.7		44104	503	1.240	1.220	+1.6		44428	502	46.600	46.400	+0.4	
43860	502	1.680	1.860	-9.7		44108	501	1.020	1.050	-2.9		44428	503	111.000	110.000	+0.9	
43860	503	1.450	1.610	-9.9		44108	502	1.280	1.260	+1.6		44429	501	0.540	0.560	-3.6	
43889	501	0.870	0.960	-9.4		44108	503	1.450	1.420	+2.1		44429	502	0.700	0.700	0.0	
43889	502	0.600	0.670	-10.4		44109	501	2.570	2.650	-3.0		44429	503	1.660	1.650	+0.6	
43889	503	0.520	0.580	-10.3		44109	502	3.250	3.200	+1.6		44430	501	0.380	0.390	-2.6	
44009	501	1.750	1.850	-5.4		44109	503	3.680	3.600	+2.2		44430	502	0.490	0.480	+2.1	
44009	502	2.860	2.880	-0.7		44110	501	2.630	2.710	-3.0		44430	503	1.160	1.140	+1.8	
44009	503	2.810	2.820	-0.4		44110	502	3.320	3.270	+1.5		44431	501	1.200	1.250	-4.0	
44069	501	6.410	7.000	-8.4		44110	503	3.760	3.690	+1.9		44431	502	1.550	1.540	+0.6	
44069	502	6.790	7.070	-4.0		44111	501	1.610	1.660	-3.0		44431	503	3.690	3.660	+0.8	
44069	503	8.560	8.860	-3.4		44111	502	2.040	2.010	+1.5		44432	501	0.380	0.400	-5.0	
44070	501	1.900	2.070	-8.2		44111	503	2.310	2.260	+2.2		44432	502	0.490	0.490	0.0	
44070	502	2.010	2.090	-3.8		44112	501	0.960	0.990	-3.0		44432	503	1.170	1.160	+0.9	
44070	503	2.530	2.620	-3.4		44112	502	1.210	1.190	+1.7		44433	501	12.100	12.600	-4.0	
44071	501	2.110	2.300	-8.3		44112	503	1.370	1.340	+2.2		44433	502	15.700	15.600	+0.6	
44071	502	2.240	2.330	-3.9		44276	501	73.800	76.500	-3.5		44433	503	37.300	36.900	+1.1	
44071	503	2.820	2.920	-3.4		44276	502	55.600	54.900	+1.3		44434	501	23.200	24.200	-4.1	
44072	501	1.460	1.590	-8.2		44276	503	47.300	46.600	+1.5		44434	502	29.900	29.800	+0.3	
44072	502	1.540	1.610	-4.3		44277	501	47.900	49.600	-3.4		44434	503	71.300	70.600	+1.0	
44072	503	1.950	2.020	-3.5		44277	502	36.000	35.600	+1.1		44435	501	24.000	25.000	-4.0	
44100	501	2.870	2.960	-3.0		44277	503	30.700	30.200	+1.7		44435	502	31.000	30.900	+0.3	
44100	502	3.630	3.570	+1.7		44280	501	0.211	0.233	-9.4		44435	503	73.900	73.100	+1.1	
44100	503	4.110	4.020	+2.2		44280	502	0.146	0.161	-9.3		44436	501	28.000	29.200	-4.1	
44101	501	2.990	3.080	-2.9		44280	503	0.126	0.139	-9.4		44436	502	36.200	36.100	+0.3	
44101	502	3.780	3.720	+1.6		44311	501	3.870	4.230	-8.5		44436	503	86.300	85.400	+1.1	
44101	503	4.280	4.190	+2.1		44311	502	4.100	4.270	-4.0		44437	501	23.200	24.200	-4.1	
44102	501	2.330	2.400	-2.9		44311	503	5.170	5.350	-3.4		44437	502	30.000	29.900	+0.3	
44102	502	2.950	2.900	+1.7		44315	501	2.600	2.840	-8.5		44437	503	71.500	70.800	+1.0	

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44438	501	18.400	19.100	-3.7		45678	503	0.136	0.151	-9.9		46427	502	33.800	32.900	+2.7	
44438	502	23.700	23.600	+0.4		45771	501	0.207	0.225	-8.0		46427	503	39.100	37.900	+3.2	
44438	503	56.500	55.900	+1.1		45771	502	0.195	0.212	-8.0		46603	501	1.530	1.560	-1.9	
44439	501	35.700	37.300	-4.3		45771	503	0.226	0.247	-8.5		46603	502	2.120	2.070	+2.4	
44439	502	46.200	46.000	+0.4		45819	501	0.067	0.073	-8.2		46603	503	2.460	2.380	+3.4	
44439	503	110.000	109.000	+0.9		45819	502	0.063	0.069	-8.7		46604	501	1.760	1.800	-2.2	
44440	501	29.600	30.800	-3.9		45819	503	0.073	0.080	-8.8		46604	502	2.450	2.390	+2.5	
44440	502	38.200	38.000	+0.5		45900	501	0.041	0.043	-4.7		46604	503	2.840	2.750	+3.3	
44440	503	91.000	90.100	+1.0		45900	502	0.080	0.081	-1.2		46606	501	4.700	4.800	-2.1	
45190	501	2.270	2.350	-3.4		45900	503	0.052	0.052	0.0		46606	502	6.530	6.360	+2.7	
45190	502	1.320	1.310	+0.8		45901	501	0.035	0.037	-5.4		46606	503	7.560	7.320	+3.3	
45190	503	1.910	1.880	+1.6		45901	502	0.069	0.069	0.0		46607	501	6.470	6.610	-2.1	
45191	501	1.610	1.670	-3.6		45901	503	0.044	0.045	-2.2		46607	502	8.980	8.750	+2.6	
45191	502	0.940	0.930	+1.1		45937	501	0.124	0.129	-3.9		46607	503	10.400	10.100	+3.0	
45191	503	1.360	1.340	+1.5		45937	502	0.094	0.092	+2.2		46622	501	9.030	9.990	-9.6	
45192	501	1.880	1.950	-3.6		45937	503	0.080	0.078	+2.6		46622	502	6.240	6.920	-9.8	
45192	502	1.100	1.090	+0.9		46004	501	22.200	24.800	-10.5		46622	503	5.390	5.990	-10.0	
45192	503	1.590	1.560	+1.9		46004	502	20.200	21.500	-6.0		46700	501	111.000	115.000	-3.5	
45193	501	1.110	1.150	-3.5		46004	503	24.200	25.700	-5.8		46700	502	83.300	82.300	+1.2	
45193	502	0.650	0.640	+1.6		46005	501	17.700	19.900	-11.1		46700	503	70.900	69.800	+1.6	
45193	503	0.940	0.920	+2.2		46005	502	16.100	17.200	-6.4		46911	501	11.900	13.000	-8.5	
45210	501	1.400	1.460	-4.1		46005	503	19.300	20.600	-6.3		46911	502	12.600	13.100	-3.8	
45210	502	0.820	0.810	+1.2		46112	501	0.039	0.041	-4.9		46911	503	15.800	16.400	-3.7	
45210	503	1.180	1.170	+0.9		46112	502	0.050	0.050	0.0		46912	501	21.700	23.700	-8.4	
45334	501	31.700	32.900	-3.6		46112	503	0.120	0.119	+0.8		46912	502	23.000	24.000	-4.2	
45334	502	23.900	23.600	+1.3		46202	501	2.880	2.980	-3.4		46912	503	29.000	30.000	-3.3	
45334	503	20.300	20.000	+1.5		46202	502	1.680	1.660	+1.2		47050	501	0.840	0.930	-9.7	
45380	501	0.136	0.148	-8.1		46202	503	2.430	2.390	+1.7		47050	502	0.580	0.650	-10.8	
45380	502	0.128	0.139	-7.9		46362	501	125.000	127.000	-1.6		47050	503	0.500	0.560	-10.7	
45380	503	0.148	0.162	-8.6		46362	502	173.000	169.000	+2.4		47221	501	121.000	126.000	-4.0	
45450	501	9.320	9.670	-3.6		46362	503	200.000	194.000	+3.1		47221	502	91.400	90.300	+1.2	
45450	502	7.020	6.940	+1.2		46426	501	18.200	18.600	-2.2		47221	503	77.800	76.500	+1.7	
45450	503	5.970	5.880	+1.5		46426	502	25.300	24.700	+2.4		47318	501	4.880	5.320	-8.3	
45678	501	0.228	0.250	-8.8		46426	503	29.300	28.400	+3.2		47318	502	5.170	5.380	-3.9	
45678	502	0.158	0.175	-9.7		46427	501	24.300	24.900	-2.4		47318	503	6.510	6.740	-3.4	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
47367	501	0.211	0.233	-9.4		48206	503	21.200	21.900	-3.2		49181	502	9.600	9.480	+1.3	
47367	502	0.146	0.161	-9.3		48441	501	0.067	0.073	-8.2		49181	503	8.170	8.040	+1.6	
47367	503	0.126	0.139	-9.4		48441	502	0.071	0.073	-2.7		49183	501	15.500	16.100	-3.7	
47420	501	1.070	1.170	-8.5		48441	503	0.089	0.092	-3.3		49183	502	11.700	11.600	+0.9	
47420	502	1.130	1.180	-4.2		48557	501	6.660	7.270	-8.4		49183	503	9.960	9.800	+1.6	
47420	503	1.430	1.480	-3.4		48557	502	7.060	7.350	-3.9		49184	501	32.800	34.000	-3.5	
47469	501	3.500	3.920	-10.7		48557	503	8.900	9.210	-3.4		49184	502	24.700	24.400	+1.2	
47469	502	3.180	3.400	-6.5		48558	501	5.800	6.320	-8.2		49184	503	21.000	20.700	+1.4	
47469	503	3.820	4.060	-5.9		48558	502	6.140	6.390	-3.9		49185	501	29.800	30.900	-3.6	
47471	501	3.030	3.400	-10.9		48558	503	7.740	8.010	-3.4		49185	502	22.500	22.200	+1.4	
47471	502	2.760	2.950	-6.4		48600	501	36.400	37.200	-2.2		49185	503	19.100	18.800	+1.6	
47471	503	3.310	3.520	-6.0		48600	502	50.600	49.300	+2.6		49239	501	0.102	0.110	-7.3	
47473	501	3.970	4.440	-10.6		48600	503	58.600	56.700	+3.4		49239	502	0.096	0.104	-7.7	
47473	502	3.610	3.860	-6.5		48636	501	0.940	1.010	-6.9		49239	503	0.111	0.121	-8.3	
47473	503	4.320	4.600	-6.1		48636	502	0.910	0.990	-8.1		49292	501	0.930	0.970	-4.1	
47474	501	4.430	4.970	-10.9		48636	503	0.760	0.830	-8.4		49292	502	0.700	0.690	+1.4	
47474	502	4.030	4.310	-6.5		48637	501	5.090	5.560	-8.5		49292	503	0.600	0.590	+1.7	
47474	503	4.830	5.140	-6.0		48637	502	5.390	5.620	-4.1		49333	501	6.840	7.090	-3.5	
47475	501	3.500	3.920	-10.7		48637	503	6.800	7.040	-3.4		49333	502	5.150	5.090	+1.2	
47475	502	3.180	3.400	-6.5		48638	501	2.530	2.760	-8.3		49333	503	4.380	4.310	+1.6	
47475	503	3.820	4.060	-5.9		48638	502	2.680	2.790	-3.9		49617	501	0.118	0.125	-5.6	
47476	501	3.500	3.920	-10.7		48638	503	3.370	3.490	-3.4		49617	502	0.193	0.195	-1.0	
47476	502	3.180	3.400	-6.5		48808	501	0.600	0.630	-4.8		49617	503	0.190	0.191	-0.5	
47476	503	3.820	4.060	-5.9		48808	502	1.180	1.200	-1.7		49618	501	0.099	0.105	-5.7	
47477	501	4.670	5.230	-10.7		48808	503	0.760	0.770	-1.3		49618	502	0.162	0.164	-1.2	
47477	502	4.250	4.540	-6.4		48925	501	122.000	133.000	-8.3		49618	503	0.160	0.160	0.0	
47477	503	5.090	5.410	-5.9		48925	502	129.000	134.000	-3.7		49619	501	0.186	0.197	-5.6	
47478	501	4.900	5.490	-10.7		48925	503	163.000	168.000	-3.0		49619	502	0.310	0.310	0.0	
47478	502	4.460	4.760	-6.3		49005	501	0.144	0.159	-9.4		49619	503	0.300	0.300	0.0	
47478	503	5.340	5.680	-6.0		49005	502	0.099	0.110	-10.0		49763	501	1.210	1.280	-5.5	
48039	501	39.000	40.400	-3.5		49005	503	0.086	0.095	-9.5		49763	502	1.980	2.000	-1.0	
48039	502	29.400	29.000	+1.4		49111	501	0.920	0.970	-5.2		49763	503	1.950	1.960	-0.5	
48039	503	25.000	24.600	+1.6		49111	502	1.810	1.830	-1.1		49801	501	107.000	111.000	-3.6	
48206	501	15.900	17.300	-8.1		49111	503	1.170	1.180	-0.8		49801	502	80.500	79.500	+1.3	
48206	502	16.800	17.500	-4.0		49181	501	12.700	13.200	-3.8		49801	503	68.500	67.400	+1.6	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss Cost	Present Loss Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss Cost	Present Loss Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss Cost	Present Loss Cost	Percent Change	Capping Flag
49802	501	9.480	9.830	-3.6		50045	503	0.074	0.083	-10.8		51224	502	0.133	0.144	-7.6	
49802	502	7.140	7.050	+1.3		50047	501	0.016	0.018	-11.1		51224	503	0.111	0.121	-8.3	
49802	503	6.070	5.980	+1.5		50047	502	0.015	0.017	-11.8		51230	501	0.023	0.025	-8.0	
49803	501	16.800	17.400	-3.4		50047	503	0.008	0.009	-11.1		51230	502	0.023	0.025	-8.0	
49803	502	12.600	12.500	+0.8		51001	501	0.032	0.035	-8.6		51230	503	0.019	0.021	-9.5	
49803	503	10.800	10.600	+1.9		51001	502	0.031	0.034	-8.8		51240	501	0.260	0.290	-10.3	
49840	501	0.870	0.960	-9.4		51001	503	0.026	0.029	-10.3		51240	502	0.244	0.270	-9.6	
49840	502	0.600	0.670	-10.4		51005	501	0.007	0.007	0.0		51240	503	0.134	0.151	-11.3	
49840	503	0.520	0.580	-10.3		51005	502	0.006	0.007	-14.3		51241	501	0.780	0.880	-11.4	
49870	501	50.900	55.600	-8.5		51005	503	0.005	0.006	-16.7		51241	502	0.730	0.820	-11.0	
49870	502	54.000	56.200	-3.9		51116	501	0.082	0.089	-7.9		51241	503	0.400	0.450	-11.1	
49870	503	68.000	70.400	-3.4		51116	502	0.079	0.086	-8.1		51250	501	0.149	0.162	-8.0	
50010	501	0.128	0.143	-10.5		51116	503	0.066	0.072	-8.3		51250	502	0.144	0.157	-8.3	
50010	502	0.119	0.134	-11.2		51201	501	0.022	0.025	-12.0		51250	503	0.121	0.132	-8.3	
50010	503	0.065	0.073	-11.0		51201	502	0.020	0.023	-13.0		51251	501	0.023	0.025	-8.0	
50011	501	0.052	0.057	-8.8		51201	503	0.011	0.013	-15.4		51251	502	0.021	0.024	-12.5	
50011	502	0.050	0.055	-9.1		51205	501	0.067	0.075	-10.7		51251	503	0.012	0.013	-7.7	
50011	503	0.042	0.046	-8.7		51205	502	0.062	0.070	-11.4		51252	501	0.079	0.089	-11.2	
50012	501	0.047	0.053	-11.3		51205	503	0.034	0.038	-10.5		51252	502	0.074	0.083	-10.8	
50012	502	0.044	0.049	-10.2		51206	501	0.010	0.012	-16.7		51252	503	0.040	0.046	-13.0	
50012	503	0.024	0.027	-11.1		51206	502	0.010	0.011	-9.1		51253	501	0.068	0.076	-10.5	
50015	501	0.083	0.093	-10.8		51206	503	0.005	0.006	-16.7		51253	502	0.063	0.071	-11.3	
50015	502	0.077	0.087	-11.5		51210	501	0.057	0.061	-6.6		51253	503	0.034	0.039	-12.8	
50015	503	0.042	0.048	-12.5		51210	502	0.055	0.059	-6.8		51254	501	0.021	0.024	-12.5	
50017	501	0.063	0.071	-11.3		51210	503	0.046	0.050	-8.0		51254	502	0.020	0.022	-9.1	
50017	502	0.059	0.066	-10.6		51220	501	0.194	0.211	-8.1		51254	503	0.011	0.012	-8.3	
50017	503	0.032	0.036	-11.1		51220	502	0.187	0.204	-8.3		51255	501	0.380	0.410	-7.3	
50018	501	0.048	0.052	-7.7		51220	503	0.157	0.171	-8.2		51255	502	0.370	0.400	-7.5	
50018	502	0.046	0.050	-8.0		51221	501	0.108	0.117	-7.7		51255	503	0.310	0.330	-6.1	
50018	503	0.038	0.042	-9.5		51221	502	0.104	0.113	-8.0		51300	501	0.094	0.103	-8.7	
50019	501	0.034	0.038	-10.5		51221	503	0.087	0.095	-8.4		51300	502	0.084	0.092	-8.7	
50019	502	0.031	0.035	-11.4		51222	501	0.131	0.142	-7.7		51300	503	0.051	0.056	-8.9	
50019	503	0.017	0.019	-10.5		51222	502	0.127	0.138	-8.0		51305	501	0.094	0.103	-8.7	
50045	501	0.145	0.162	-10.5		51222	503	0.106	0.116	-8.6		51305	502	0.084	0.092	-8.7	
50045	502	0.135	0.151	-10.6		51224	501	0.137	0.149	-8.1		51305	503	0.051	0.056	-8.9	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
51315	501	0.066	0.072	-8.3		51359	503	0.216	0.236	-8.5		51554	502	0.006	0.006	0.0	
51315	502	0.062	0.068	-8.8		51370	501	0.260	0.290	-10.3		51554	503	0.003	0.004	-25.0	
51315	503	0.072	0.079	-8.9		51370	502	0.239	0.270	-11.5		51575	501	0.042	0.046	-8.7	
51330	501	0.057	0.062	-8.1		51370	503	0.131	0.148	-11.5		51575	502	0.038	0.041	-7.3	
51330	502	0.056	0.060	-6.7		51380	501	0.026	0.029	-10.3		51575	503	0.023	0.025	-8.0	
51330	503	0.046	0.051	-9.8		51380	502	0.024	0.027	-11.1		51576	501	0.116	0.129	-10.1	
51333	501	0.019	0.020	-5.0		51380	503	0.013	0.015	-13.3		51576	502	0.107	0.121	-11.6	
51333	502	0.018	0.020	-10.0		51400	501	0.135	0.146	-7.5		51576	503	0.059	0.066	-10.6	
51333	503	0.015	0.017	-11.8		51400	502	0.130	0.142	-8.5		51600	501	0.079	0.088	-10.2	
51340	501	0.022	0.024	-8.3		51400	503	0.109	0.119	-8.4		51600	502	0.073	0.082	-11.0	
51340	502	0.020	0.023	-13.0		51401	501	0.198	0.215	-7.9		51600	503	0.040	0.045	-11.1	
51340	503	0.011	0.012	-8.3		51401	502	0.192	0.209	-8.1		51613	501	0.052	0.058	-10.3	
51350	501	0.159	0.173	-8.1		51401	503	0.160	0.175	-8.6		51613	502	0.048	0.054	-11.1	
51350	502	0.141	0.154	-8.4		51500	501	0.049	0.054	-9.3		51613	503	0.026	0.030	-13.3	
51350	503	0.086	0.095	-9.5		51500	502	0.045	0.051	-11.8		51625	501	0.030	0.032	-6.3	
51351	501	0.142	0.155	-8.4		51500	503	0.025	0.028	-10.7		51625	502	0.029	0.031	-6.5	
51351	502	0.126	0.138	-8.7		51516	501	0.063	0.070	-10.0		51625	503	0.024	0.026	-7.7	
51351	503	0.077	0.085	-9.4		51516	502	0.044	0.049	-10.2		51666	501	0.067	0.073	-8.2	
51352	501	0.195	0.212	-8.0		51516	503	0.038	0.042	-9.5		51666	502	0.060	0.066	-9.1	
51352	502	0.173	0.190	-8.9		51517	501	0.072	0.079	-8.9		51666	503	0.037	0.040	-7.5	
51352	503	0.106	0.116	-8.6		51517	502	0.050	0.055	-9.1		51702	501	0.089	0.096	-7.3	
51355	501	0.133	0.145	-8.3		51517	503	0.043	0.048	-10.4		51702	502	0.086	0.093	-7.5	
51355	502	0.118	0.129	-8.5		51550	501	0.060	0.067	-10.4		51702	503	0.072	0.079	-8.9	
51355	503	0.072	0.079	-8.9		51550	502	0.056	0.063	-11.1		51703	501	0.037	0.040	-7.5	
51356	501	0.143	0.156	-8.3		51550	503	0.031	0.034	-8.8		51703	502	0.036	0.039	-7.7	
51356	502	0.127	0.139	-8.6		51551	501	0.021	0.023	-8.7		51703	503	0.030	0.033	-9.1	
51356	503	0.078	0.085	-8.2		51551	502	0.019	0.022	-13.6		51734	501	0.069	0.075	-8.0	
51357	501	0.094	0.102	-7.8		51551	503	0.011	0.012	-8.3		51734	502	0.067	0.073	-8.2	
51357	502	0.088	0.096	-8.3		51552	501	0.036	0.041	-12.2		51734	503	0.056	0.061	-8.2	
51357	503	0.102	0.111	-8.1		51552	502	0.034	0.038	-10.5		51741	501	0.137	0.153	-10.5	
51358	501	0.226	0.245	-7.8		51552	503	0.018	0.021	-14.3		51741	502	0.127	0.143	-11.2	
51358	502	0.213	0.231	-7.8		51553	501	0.064	0.072	-11.1		51741	503	0.070	0.079	-11.4	
51358	503	0.246	0.270	-8.9		51553	502	0.060	0.067	-10.4		51752	501	0.116	0.129	-10.1	
51359	501	0.198	0.215	-7.9		51553	503	0.033	0.037	-10.8		51752	502	0.107	0.121	-11.6	
51359	502	0.187	0.203	-7.9		51554	501	0.006	0.007	-14.3		51752	503	0.059	0.066	-10.6	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
51767	501	0.020	0.021	-4.8		51854	503	0.161	0.176	-8.5		51927	502	0.028	0.032	-12.5	
51767	502	0.017	0.019	-10.5		51855	501	0.209	0.227	-7.9		51927	503	0.015	0.017	-11.8	
51767	503	0.011	0.012	-8.3		51855	502	0.202	0.220	-8.2		51934	501	0.061	0.069	-11.6	
51777	501	0.068	0.075	-9.3		51855	503	0.169	0.185	-8.6		51934	502	0.057	0.064	-10.9	
51777	502	0.061	0.067	-9.0		51856	501	0.115	0.125	-8.0		51934	503	0.031	0.035	-11.4	
51777	503	0.037	0.041	-9.8		51856	502	0.111	0.121	-8.3		51941	501	0.056	0.062	-9.7	
51790	501	0.114	0.124	-8.1		51856	503	0.093	0.102	-8.8		51941	502	0.052	0.058	-10.3	
51790	502	0.101	0.111	-9.0		51857	501	0.197	0.213	-7.5		51941	503	0.028	0.032	-12.5	
51790	503	0.062	0.068	-8.8		51857	502	0.190	0.207	-8.2		51942	501	0.089	0.100	-11.0	
51796	501	0.050	0.056	-10.7		51857	503	0.159	0.174	-8.6		51942	502	0.083	0.093	-10.8	
51796	502	0.046	0.052	-11.5		51869	501	0.059	0.066	-10.6		51942	503	0.045	0.051	-11.8	
51796	503	0.025	0.029	-13.8		51869	502	0.055	0.061	-9.8		51956	501	0.241	0.270	-10.7	
51808	501	0.177	0.199	-11.1		51869	503	0.030	0.034	-11.8		51956	502	0.223	0.250	-10.8	
51808	502	0.165	0.185	-10.8		51877	501	0.330	0.370	-10.8		51956	503	0.122	0.138	-11.6	
51808	503	0.090	0.102	-11.8		51877	502	0.310	0.350	-11.4		51957	501	0.212	0.238	-10.9	
51809	501	0.220	0.247	-10.9		51877	503	0.168	0.190	-11.6		51957	502	0.197	0.221	-10.9	
51809	502	0.205	0.230	-10.9		51889	501	0.054	0.061	-11.5		51957	503	0.108	0.122	-11.5	
51809	503	0.112	0.126	-11.1		51889	502	0.051	0.057	-10.5		51958	501	0.188	0.211	-10.9	
51833	501	0.103	0.112	-8.0		51889	503	0.028	0.031	-9.7		51958	502	0.175	0.197	-11.2	
51833	502	0.091	0.100	-9.0		51896	501	0.025	0.029	-13.8		51958	503	0.096	0.108	-11.1	
51833	503	0.056	0.061	-8.2		51896	502	0.024	0.027	-11.1		51959	501	0.193	0.216	-10.6	
51850	501	0.139	0.151	-7.9		51896	503	0.013	0.015	-13.3		51959	502	0.179	0.201	-10.9	
51850	502	0.134	0.146	-8.2		51900	501	0.077	0.084	-8.3		51959	503	0.098	0.111	-11.7	
51850	503	0.113	0.123	-8.1		51900	502	0.068	0.075	-9.3		51960	501	0.025	0.029	-13.8	
51851	501	0.094	0.102	-7.8		51900	503	0.042	0.046	-8.7		51960	502	0.024	0.027	-11.1	
51851	502	0.091	0.099	-8.1		51909	501	0.126	0.136	-7.4		51960	503	0.013	0.015	-13.3	
51851	503	0.076	0.083	-8.4		51909	502	0.121	0.132	-8.3		51970	501	0.111	0.124	-10.5	
51852	501	0.221	0.240	-7.9		51909	503	0.102	0.111	-8.1		51970	502	0.103	0.116	-11.2	
51852	502	0.213	0.232	-8.2		51919	501	0.055	0.062	-11.3		51970	503	0.056	0.064	-12.5	
51852	503	0.179	0.195	-8.2		51919	502	0.051	0.057	-10.5		51982	501	0.033	0.037	-10.8	
51853	501	0.089	0.096	-7.3		51919	503	0.028	0.032	-12.5		51982	502	0.030	0.034	-11.8	
51853	502	0.086	0.093	-7.5		51926	501	0.056	0.063	-11.1		51982	503	0.017	0.019	-10.5	
51853	503	0.072	0.079	-8.9		51926	502	0.052	0.058	-10.3		51985	501	0.059	0.065	-9.2	
51854	501	0.199	0.216	-7.9		51926	503	0.028	0.032	-12.5		51985	502	0.041	0.045	-8.9	
51854	502	0.193	0.210	-8.1		51927	501	0.030	0.034	-11.8		51985	503	0.035	0.039	-10.3	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
51986	501	0.128	0.143	-10.5		52342	503	0.063	0.069	-8.7		52547	502	0.123	0.134	-8.2	
51986	502	0.119	0.134	-11.2		52343	501	0.048	0.052	-7.7		52547	503	0.103	0.113	-8.8	
51986	503	0.065	0.073	-11.0		52343	502	0.046	0.050	-8.0		52581	501	0.610	0.680	-10.3	
51999	501	0.054	0.060	-10.0		52343	503	0.038	0.042	-9.5		52581	502	0.560	0.630	-11.1	
51999	502	0.050	0.056	-10.7		52401	501	0.147	0.160	-8.1		52581	503	0.310	0.350	-11.4	
51999	503	0.027	0.031	-12.9		52401	502	0.142	0.155	-8.4		52619	501	0.043	0.048	-10.4	
52002	501	0.047	0.053	-11.3		52401	503	0.119	0.130	-8.5		52619	502	0.039	0.044	-11.4	
52002	502	0.044	0.049	-10.2		52402	501	0.012	0.013	-7.7		52619	503	0.022	0.024	-8.3	
52002	503	0.024	0.027	-11.1		52402	502	0.011	0.012	-8.3		52660	501	0.075	0.083	-9.6	
52075	501	0.110	0.119	-7.6		52402	503	0.006	0.007	-14.3		52660	502	0.052	0.058	-10.3	
52075	502	0.106	0.115	-7.8		52432	501	0.059	0.066	-10.6		52660	503	0.045	0.050	-10.0	
52075	503	0.089	0.097	-8.2		52432	502	0.055	0.062	-11.3		52744	501	0.390	0.430	-9.3	
52076	501	0.132	0.143	-7.7		52432	503	0.030	0.034	-11.8		52744	502	0.350	0.380	-7.9	
52076	502	0.128	0.139	-7.9		52433	501	0.054	0.061	-11.5		52744	503	0.214	0.235	-8.9	
52076	503	0.107	0.117	-8.5		52433	502	0.050	0.057	-12.3		52767	501	0.117	0.127	-7.9	
52109	501	0.012	0.013	-7.7		52433	503	0.028	0.031	-9.7		52767	502	0.113	0.123	-8.1	
52109	502	0.011	0.012	-8.3		52435	501	0.068	0.076	-10.5		52767	503	0.094	0.103	-8.7	
52109	503	0.006	0.007	-14.3		52435	502	0.063	0.071	-11.3		52911	501	0.034	0.038	-10.5	
52134	501	0.159	0.178	-10.7		52435	503	0.035	0.039	-10.3		52911	502	0.031	0.035	-11.4	
52134	502	0.147	0.165	-10.9		52438	501	0.049	0.055	-10.9		52911	503	0.017	0.019	-10.5	
52134	503	0.081	0.091	-11.0		52438	502	0.046	0.051	-9.8		52967	501	0.013	0.014	-7.1	
52137	501	0.043	0.047	-8.5		52438	503	0.025	0.028	-10.7		52967	502	0.012	0.013	-7.7	
52137	502	0.042	0.045	-6.7		52440	501	0.077	0.086	-10.5		52967	503	0.006	0.007	-14.3	
52137	503	0.035	0.038	-7.9		52440	502	0.072	0.080	-10.0		53001	501	0.124	0.139	-10.8	
52150	501	0.290	0.330	-12.1		52440	503	0.039	0.044	-11.4		53001	502	0.116	0.130	-10.8	
52150	502	0.270	0.300	-10.0		52467	501	0.071	0.080	-11.3		53001	503	0.063	0.071	-11.3	
52150	503	0.148	0.168	-11.9		52467	502	0.066	0.074	-10.8		53077	501	0.060	0.067	-10.4	
52315	501	0.089	0.097	-8.2		52467	503	0.036	0.041	-12.2		53077	502	0.056	0.062	-9.7	
52315	502	0.079	0.087	-9.2		52469	501	0.025	0.028	-10.7		53077	503	0.030	0.034	-11.8	
52315	503	0.049	0.053	-7.5		52469	502	0.023	0.026	-11.5		53095	501	0.041	0.046	-10.9	
52341	501	0.027	0.029	-6.9		52469	503	0.013	0.014	-7.1		53095	502	0.038	0.043	-11.6	
52341	502	0.026	0.028	-7.1		52505	501	0.124	0.139	-10.8		53095	503	0.021	0.024	-12.5	
52341	503	0.022	0.024	-8.3		52505	502	0.115	0.130	-11.5		53096	501	0.057	0.064	-10.9	
52342	501	0.078	0.085	-8.2		52505	503	0.063	0.071	-11.3		53096	502	0.053	0.059	-10.2	
52342	502	0.075	0.082	-8.5		52547	501	0.128	0.138	-7.2		53096	503	0.029	0.033	-12.1	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
53121	501	0.162	0.182	-11.0		53565	503	0.036	0.040	-10.0		55011	502	0.062	0.069	-10.1	
53121	502	0.151	0.169	-10.7		53631	501	0.019	0.021	-9.5		55011	503	0.034	0.038	-10.5	
53121	503	0.082	0.093	-11.8		53631	502	0.017	0.020	-15.0		55012	501	0.079	0.089	-11.2	
53147	501	0.020	0.021	-4.8		53631	503	0.010	0.011	-9.1		55012	502	0.074	0.083	-10.8	
53147	502	0.019	0.021	-9.5		53632	501	0.022	0.024	-8.3		55012	503	0.040	0.045	-11.1	
53147	503	0.016	0.017	-5.9		53632	502	0.020	0.023	-13.0		55013	501	0.092	0.100	-8.0	
53229	501	0.110	0.120	-8.3		53632	503	0.011	0.012	-8.3		55013	502	0.089	0.097	-8.2	
53229	502	0.107	0.116	-7.8		53731	501	0.020	0.022	-9.1		55013	503	0.075	0.082	-8.5	
53229	503	0.089	0.098	-9.2		53731	502	0.018	0.021	-14.3		55214	501	0.064	0.072	-11.1	
53271	501	0.031	0.034	-8.8		53731	503	0.010	0.011	-9.1		55214	502	0.060	0.067	-10.4	
53271	502	0.028	0.032	-12.5		53732	501	0.135	0.152	-11.2		55214	503	0.033	0.037	-10.8	
53271	503	0.016	0.018	-11.1		53732	502	0.126	0.141	-10.6		55371	501	0.260	0.290	-10.3	
53333	501	0.109	0.118	-7.6		53732	503	0.069	0.078	-11.5		55371	502	0.235	0.260	-9.6	
53333	502	0.105	0.114	-7.9		53733	501	0.088	0.099	-11.1		55371	503	0.144	0.158	-8.9	
53333	503	0.088	0.096	-8.3		53733	502	0.082	0.092	-10.9		55426	501	0.112	0.122	-8.2	
53374	501	0.104	0.113	-8.0		53733	503	0.045	0.051	-11.8		55426	502	0.108	0.118	-8.5	
53374	502	0.092	0.101	-8.9		53734	501	0.380	0.420	-9.5		55426	503	0.091	0.099	-8.1	
53374	503	0.056	0.062	-9.7		53734	502	0.260	0.290	-10.3		55597	501	0.016	0.018	-11.1	
53375	501	0.055	0.060	-8.3		53734	503	0.227	0.250	-9.2		55597	502	0.015	0.017	-11.8	
53375	502	0.049	0.053	-7.5		53803	501	0.244	0.270	-9.6		55597	503	0.008	0.009	-11.1	
53375	503	0.030	0.033	-9.1		53803	502	0.236	0.260	-9.2		55647	501	0.032	0.036	-11.1	
53376	501	0.088	0.096	-8.3		53803	503	0.197	0.216	-8.8		55647	502	0.030	0.033	-9.1	
53376	502	0.078	0.086	-9.3		53907	501	0.060	0.067	-10.4		55647	503	0.016	0.018	-11.1	
53376	503	0.048	0.053	-9.4		53907	502	0.055	0.062	-11.3		55648	501	0.015	0.016	-6.3	
53377	501	0.090	0.098	-8.2		53907	503	0.030	0.034	-11.8		55648	502	0.013	0.015	-13.3	
53377	502	0.080	0.088	-9.1		54012	501	0.038	0.042	-9.5		55648	503	0.007	0.008	-12.5	
53377	503	0.049	0.054	-9.3		54012	502	0.026	0.029	-10.3		55649	501	0.017	0.019	-10.5	
53403	501	0.057	0.062	-8.1		54012	503	0.023	0.025	-8.0		55649	502	0.016	0.018	-11.1	
53403	502	0.051	0.055	-7.3		54077	501	0.081	0.091	-11.0		55649	503	0.009	0.010	-10.0	
53403	503	0.031	0.034	-8.8		54077	502	0.076	0.085	-10.6		55715	501	0.127	0.143	-11.2	
53425	501	0.102	0.111	-8.1		54077	503	0.041	0.047	-12.8		55715	502	0.118	0.133	-11.3	
53425	502	0.099	0.108	-8.3		55010	501	0.246	0.280	-12.1		55715	503	0.065	0.073	-11.0	
53425	503	0.083	0.091	-8.8		55010	502	0.228	0.260	-12.3		55716	501	0.184	0.206	-10.7	
53565	501	0.066	0.072	-8.3		55010	503	0.125	0.141	-11.3		55716	502	0.171	0.192	-10.9	
53565	502	0.059	0.065	-9.2		55011	501	0.066	0.074	-10.8		55716	503	0.094	0.106	-11.3	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
55717	501	0.148	0.161	-8.1		56390	503	0.040	0.045	-11.1		56758	502	0.040	0.045	-11.1	
55717	502	0.143	0.156	-8.3		56391	501	0.068	0.076	-10.5		56758	503	0.022	0.025	-12.0	
55717	503	0.120	0.131	-8.4		56391	502	0.063	0.071	-11.3		56759	501	0.044	0.049	-10.2	
55718	501	0.144	0.156	-7.7		56391	503	0.035	0.039	-10.3		56759	502	0.041	0.046	-10.9	
55718	502	0.139	0.151	-7.9		56427	501	0.109	0.123	-11.4		56759	503	0.022	0.025	-12.0	
55718	503	0.116	0.127	-8.7		56427	502	0.102	0.114	-10.5		56760	501	0.063	0.070	-10.0	
55802	501	0.068	0.075	-9.3		56427	503	0.056	0.063	-11.1		56760	502	0.058	0.066	-12.1	
55802	502	0.061	0.067	-9.0		56488	501	0.114	0.124	-8.1		56760	503	0.032	0.036	-11.1	
55802	503	0.037	0.041	-9.8		56488	502	0.101	0.111	-9.0		56805	501	0.083	0.093	-10.8	
55918	501	0.073	0.082	-11.0		56488	503	0.062	0.068	-8.8		56805	502	0.077	0.086	-10.5	
55918	502	0.068	0.076	-10.5		56567	501	0.104	0.113	-8.0		56805	503	0.042	0.047	-10.6	
55918	503	0.037	0.042	-11.9		56567	502	0.101	0.110	-8.2		56806	501	0.059	0.066	-10.6	
55919	501	0.010	0.011	-9.1		56567	503	0.084	0.092	-8.7		56806	502	0.054	0.061	-11.5	
55919	502	0.009	0.010	-10.0		56650	501	0.320	0.350	-8.6		56806	503	0.030	0.034	-11.8	
55919	503	0.005	0.006	-16.7		56650	502	0.310	0.340	-8.8		56807	501	0.058	0.065	-10.8	
56040	501	0.007	0.008	-12.5		56650	503	0.260	0.280	-7.1		56807	502	0.054	0.061	-11.5	
56040	502	0.006	0.007	-14.3		56651	501	0.173	0.188	-8.0		56807	503	0.029	0.033	-12.1	
56040	503	0.003	0.004	-25.0		56651	502	0.167	0.182	-8.2		56808	501	0.076	0.085	-10.6	
56041	501	0.045	0.051	-11.8		56651	503	0.140	0.153	-8.5		56808	502	0.070	0.079	-11.4	
56041	502	0.042	0.047	-10.6		56652	501	0.124	0.134	-7.5		56808	503	0.039	0.044	-11.4	
56041	503	0.023	0.026	-11.5		56652	502	0.120	0.130	-7.7		56900	501	0.073	0.082	-11.0	
56042	501	0.057	0.064	-10.9		56652	503	0.100	0.110	-9.1		56900	502	0.068	0.076	-10.5	
56042	502	0.053	0.059	-10.2		56653	501	0.119	0.130	-8.5		56900	503	0.037	0.042	-11.9	
56042	503	0.029	0.033	-12.1		56653	502	0.115	0.126	-8.7		56910	501	0.036	0.041	-12.2	
56170	501	0.101	0.109	-7.3		56653	503	0.097	0.106	-8.5		56910	502	0.034	0.038	-10.5	
56170	502	0.097	0.106	-8.5		56654	501	0.061	0.066	-7.6		56910	503	0.019	0.021	-9.5	
56170	503	0.081	0.089	-9.0		56654	502	0.059	0.064	-7.8		56911	501	0.090	0.097	-7.2	
56171	501	0.049	0.054	-9.3		56654	503	0.049	0.054	-9.3		56911	502	0.087	0.094	-7.4	
56171	502	0.048	0.052	-7.7		56690	501	0.059	0.064	-7.8		56911	503	0.073	0.079	-7.6	
56171	503	0.040	0.044	-9.1		56690	502	0.052	0.058	-10.3		56912	501	0.073	0.079	-7.6	
56202	501	0.045	0.051	-11.8		56690	503	0.032	0.035	-8.6		56912	502	0.070	0.076	-7.9	
56202	502	0.042	0.047	-10.6		56699	501	0.050	0.056	-10.7		56912	503	0.059	0.064	-7.8	
56202	503	0.023	0.026	-11.5		56699	502	0.047	0.053	-11.3		56913	501	0.059	0.064	-7.8	
56390	501	0.079	0.089	-11.2		56699	503	0.026	0.029	-10.3		56913	502	0.057	0.062	-8.1	
56390	502	0.074	0.083	-10.8		56758	501	0.043	0.048	-10.4		56913	503	0.048	0.052	-7.7	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
56915	501	0.350	0.380	-7.9		57202	503	0.028	0.032	-12.5		57716	502	0.032	0.035	-8.6	
56915	502	0.340	0.370	-8.1		57257	501	0.070	0.078	-10.3		57716	503	0.027	0.029	-6.9	
56915	503	0.280	0.310	-9.7		57257	502	0.065	0.072	-9.7		57725	501	0.073	0.079	-7.6	
56916	501	0.320	0.340	-5.9		57257	503	0.035	0.040	-12.5		57725	502	0.070	0.076	-7.9	
56916	502	0.310	0.330	-6.1		57401	501	0.039	0.044	-11.4		57725	503	0.059	0.064	-7.8	
56916	503	0.260	0.280	-7.1		57401	502	0.037	0.041	-9.8		57726	501	0.057	0.061	-6.6	
56917	501	0.092	0.099	-7.1		57401	503	0.020	0.023	-13.0		57726	502	0.055	0.059	-6.8	
56917	502	0.089	0.096	-7.3		57403	501	0.140	0.153	-8.5		57726	503	0.046	0.050	-8.0	
56917	503	0.074	0.081	-8.6		57403	502	0.124	0.136	-8.8		57798	501	0.018	0.020	-10.0	
56918	501	0.044	0.048	-8.3		57403	503	0.076	0.084	-9.5		57798	502	0.017	0.019	-10.5	
56918	502	0.043	0.046	-6.5		57410	501	0.019	0.021	-9.5		57798	503	0.009	0.010	-10.0	
56918	503	0.036	0.039	-7.7		57410	502	0.018	0.020	-10.0		57800	501	0.067	0.076	-11.8	
56919	501	0.112	0.122	-8.2		57410	503	0.010	0.011	-9.1		57800	502	0.063	0.070	-10.0	
56919	502	0.108	0.118	-8.5		57411	501	0.025	0.027	-7.4		57800	503	0.034	0.039	-12.8	
56919	503	0.091	0.099	-8.1		57411	502	0.024	0.026	-7.7		57808	501	0.028	0.030	-6.7	
56920	501	0.102	0.111	-8.1		57411	503	0.020	0.022	-9.1		57808	502	0.027	0.029	-6.9	
56920	502	0.099	0.108	-8.3		57572	501	0.011	0.013	-15.4		57808	503	0.023	0.025	-8.0	
56920	503	0.083	0.091	-8.8		57572	502	0.010	0.012	-16.7		57809	501	0.029	0.031	-6.5	
56980	501	0.063	0.071	-11.3		57572	503	0.006	0.006	0.0		57809	502	0.028	0.030	-6.7	
56980	502	0.059	0.066	-10.6		57600	501	0.033	0.037	-10.8		57809	503	0.023	0.025	-8.0	
56980	503	0.032	0.036	-11.1		57600	502	0.031	0.035	-11.4		57810	501	0.028	0.030	-6.7	
57001	501	0.022	0.024	-8.3		57600	503	0.017	0.019	-10.5		57810	502	0.027	0.029	-6.9	
57001	502	0.020	0.023	-13.0		57611	501	0.054	0.058	-6.9		57810	503	0.023	0.025	-8.0	
57001	503	0.011	0.012	-8.3		57611	502	0.052	0.057	-8.8		57871	501	0.033	0.036	-8.3	
57002	501	0.014	0.016	-12.5		57611	503	0.044	0.048	-8.3		57871	502	0.032	0.035	-8.6	
57002	502	0.013	0.015	-13.3		57625	501	0.290	0.330	-12.1		57871	503	0.027	0.029	-6.9	
57002	503	0.007	0.008	-12.5		57625	502	0.270	0.310	-12.9		57913	501	0.087	0.098	-11.2	
57090	501	0.164	0.178	-7.9		57625	503	0.149	0.168	-11.3		57913	502	0.081	0.091	-11.0	
57090	502	0.159	0.173	-8.1		57651	501	0.036	0.040	-10.0		57913	503	0.044	0.050	-12.0	
57090	503	0.133	0.145	-8.3		57651	502	0.033	0.037	-10.8		57997	501	0.084	0.093	-9.7	
57146	501	0.104	0.113	-8.0		57651	503	0.018	0.020	-10.0		57997	502	0.058	0.065	-10.8	
57146	502	0.101	0.110	-8.2		57690	501	0.070	0.076	-7.9		57997	503	0.050	0.056	-10.7	
57146	503	0.084	0.092	-8.7		57690	502	0.068	0.074	-8.1		57998	501	0.039	0.043	-9.3	
57202	501	0.056	0.063	-11.1		57690	503	0.057	0.062	-8.1		57998	502	0.036	0.040	-10.0	
57202	502	0.052	0.058	-10.3		57716	501	0.033	0.036	-8.3		57998	503	0.020	0.022	-9.1	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
57999	501	0.046	0.050	-8.0		58397	503	0.090	0.102	-11.8		58627	502	0.115	0.130	-11.5	
57999	502	0.044	0.048	-8.3		58408	501	0.050	0.055	-9.1		58627	503	0.063	0.071	-11.3	
57999	503	0.037	0.040	-7.5		58408	502	0.034	0.038	-10.5		58663	501	0.231	0.250	-7.6	
58009	501	0.046	0.050	-8.0		58408	503	0.030	0.033	-9.1		58663	502	0.223	0.243	-8.2	
58009	502	0.044	0.048	-8.3		58409	501	0.063	0.070	-10.0		58663	503	0.187	0.204	-8.3	
58009	503	0.037	0.040	-7.5		58409	502	0.044	0.049	-10.2		58682	501	0.110	0.124	-11.3	
58010	501	0.090	0.101	-10.9		58409	503	0.038	0.042	-9.5		58682	502	0.103	0.115	-10.4	
58010	502	0.083	0.094	-11.7		58456	501	0.034	0.037	-8.1		58682	503	0.056	0.063	-11.1	
58010	503	0.046	0.052	-11.5		58456	502	0.023	0.026	-11.5		58713	501	0.044	0.047	-6.4	
58020	501	0.150	0.164	-8.5		58456	503	0.020	0.022	-9.1		58713	502	0.039	0.042	-7.1	
58020	502	0.133	0.146	-8.9		58457	501	0.049	0.054	-9.3		58713	503	0.024	0.026	-7.7	
58020	503	0.082	0.090	-8.9		58457	502	0.034	0.038	-10.5		58737	501	0.080	0.090	-11.1	
58056	501	0.107	0.120	-10.8		58457	503	0.029	0.033	-12.1		58737	502	0.074	0.084	-11.9	
58056	502	0.100	0.112	-10.7		58458	501	0.063	0.070	-10.0		58737	503	0.041	0.046	-10.9	
58056	503	0.054	0.061	-11.5		58458	502	0.044	0.049	-10.2		58756	501	0.043	0.047	-8.5	
58057	501	0.067	0.076	-11.8		58458	503	0.038	0.042	-9.5		58756	502	0.042	0.045	-6.7	
58057	502	0.063	0.070	-10.0		58459	501	0.076	0.084	-9.5		58756	503	0.035	0.038	-7.9	
58057	503	0.034	0.039	-12.8		58459	502	0.053	0.058	-8.6		58757	501	0.270	0.300	-10.0	
58058	501	0.061	0.068	-10.3		58459	503	0.045	0.050	-10.0		58757	502	0.250	0.280	-10.7	
58058	502	0.056	0.063	-11.1		58503	501	0.047	0.053	-11.3		58757	503	0.137	0.155	-11.6	
58058	503	0.031	0.035	-11.4		58503	502	0.044	0.049	-10.2		58759	501	0.033	0.037	-10.8	
58095	501	0.085	0.096	-11.5		58503	503	0.024	0.027	-11.1		58759	502	0.031	0.035	-11.4	
58095	502	0.079	0.089	-11.2		58532	501	0.061	0.068	-10.3		58759	503	0.017	0.019	-10.5	
58095	503	0.043	0.049	-12.2		58532	502	0.057	0.064	-10.9		58802	501	0.038	0.042	-9.5	
58096	501	0.113	0.127	-11.0		58532	503	0.031	0.035	-11.4		58802	502	0.035	0.040	-12.5	
58096	502	0.105	0.118	-11.0		58559	501	0.012	0.014	-14.3		58802	503	0.019	0.022	-13.6	
58096	503	0.058	0.065	-10.8		58559	502	0.012	0.013	-7.7		58813	501	0.106	0.115	-7.8	
58301	501	0.035	0.038	-7.9		58559	503	0.006	0.007	-14.3		58813	502	0.102	0.111	-8.1	
58301	502	0.034	0.037	-8.1		58560	501	0.030	0.034	-11.8		58813	503	0.086	0.094	-8.5	
58301	503	0.028	0.031	-9.7		58560	502	0.028	0.031	-9.7		58822	501	0.104	0.117	-11.1	
58302	501	0.031	0.034	-8.8		58560	503	0.015	0.017	-11.8		58822	502	0.097	0.109	-11.0	
58302	502	0.028	0.032	-12.5		58575	501	0.039	0.043	-9.3		58822	503	0.053	0.060	-11.7	
58302	503	0.016	0.018	-11.1		58575	502	0.036	0.040	-10.0		58837	501	0.213	0.231	-7.8	
58397	501	0.177	0.199	-11.1		58575	503	0.020	0.022	-9.1		58837	502	0.206	0.224	-8.0	
58397	502	0.165	0.185	-10.8		58627	501	0.124	0.139	-10.8		58837	503	0.172	0.188	-8.5	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
58840	501	0.064	0.069	-7.2		59257	503	0.006	0.007	-14.3		59713	502	0.119	0.133	-10.5	
58840	502	0.062	0.067	-7.5		59306	501	0.077	0.086	-10.5		59713	503	0.065	0.073	-11.0	
58840	503	0.052	0.056	-7.1		59306	502	0.071	0.080	-11.3		59722	501	0.066	0.074	-10.8	
58873	501	0.101	0.110	-8.2		59306	503	0.039	0.044	-11.4		59722	502	0.061	0.069	-11.6	
58873	502	0.098	0.107	-8.4		59378	501	0.068	0.074	-8.1		59722	503	0.034	0.038	-10.5	
58873	503	0.082	0.090	-8.9		59378	502	0.066	0.072	-8.3		59723	501	0.025	0.028	-10.7	
58903	501	0.024	0.027	-11.1		59378	503	0.055	0.060	-8.3		59723	502	0.023	0.026	-11.5	
58903	502	0.022	0.025	-12.0		59481	501	0.206	0.231	-10.8		59723	503	0.013	0.014	-7.1	
58903	503	0.012	0.014	-14.3		59481	502	0.191	0.215	-11.2		59724	501	0.038	0.043	-11.6	
58904	501	0.018	0.021	-14.3		59481	503	0.105	0.118	-11.0		59724	502	0.035	0.040	-12.5	
58904	502	0.017	0.019	-10.5		59482	501	0.310	0.340	-8.8		59724	503	0.019	0.022	-13.6	
58904	503	0.009	0.011	-18.2		59482	502	0.280	0.300	-6.7		59725	501	0.048	0.053	-9.4	
58922	501	0.169	0.183	-7.7		59482	503	0.169	0.186	-9.1		59725	502	0.044	0.050	-12.0	
58922	502	0.163	0.177	-7.9		59537	501	0.074	0.080	-7.5		59725	503	0.024	0.027	-11.1	
58922	503	0.137	0.149	-8.1		59537	502	0.071	0.077	-7.8		59726	501	0.035	0.039	-10.3	
59005	501	0.045	0.051	-11.8		59537	503	0.060	0.065	-7.7		59726	502	0.032	0.036	-11.1	
59005	502	0.042	0.047	-10.6		59601	501	0.078	0.087	-10.3		59726	503	0.018	0.020	-10.0	
59005	503	0.023	0.026	-11.5		59601	502	0.072	0.081	-11.1		59738	501	0.110	0.124	-11.3	
59057	501	0.340	0.380	-10.5		59601	503	0.039	0.045	-13.3		59738	502	0.103	0.115	-10.4	
59057	502	0.310	0.350	-11.4		59647	501	0.139	0.151	-7.9		59738	503	0.056	0.063	-11.1	
59057	503	0.171	0.192	-10.9		59647	502	0.123	0.135	-8.9		59750	501	0.055	0.059	-6.8	
59058	501	0.217	0.243	-10.7		59647	503	0.076	0.083	-8.4		59750	502	0.053	0.058	-8.6	
59058	502	0.202	0.227	-11.0		59660	501	0.143	0.160	-10.6		59750	503	0.044	0.048	-8.3	
59058	503	0.110	0.125	-12.0		59660	502	0.133	0.149	-10.7		59751	501	0.020	0.021	-4.8	
59188	501	0.300	0.330	-9.1		59660	503	0.073	0.082	-11.0		59751	502	0.019	0.021	-9.5	
59188	502	0.270	0.290	-6.9		59661	501	0.070	0.078	-10.3		59751	503	0.016	0.017	-5.9	
59188	503	0.162	0.178	-9.0		59661	502	0.065	0.073	-11.0		59773	501	0.018	0.019	-5.3	
59189	501	0.410	0.450	-8.9		59661	503	0.036	0.040	-10.0		59773	502	0.016	0.017	-5.9	
59189	502	0.360	0.400	-10.0		59693	501	0.012	0.013	-7.7		59773	503	0.010	0.011	-9.1	
59189	503	0.223	0.245	-9.0		59693	502	0.011	0.012	-8.3		59774	501	0.015	0.016	-6.3	
59223	501	0.105	0.114	-7.9		59693	503	0.006	0.007	-14.3		59774	502	0.013	0.014	-7.1	
59223	502	0.102	0.110	-7.3		59701	501	0.006	0.006	0.0		59774	503	0.008	0.009	-11.1	
59223	503	0.085	0.093	-8.6		59701	502	0.005	0.006	-16.7		59775	501	0.019	0.020	-5.0	
59257	501	0.012	0.014	-14.3		59701	503	0.003	0.004	-25.0		59775	502	0.017	0.018	-5.6	
59257	502	0.011	0.013	-15.4		59713	501	0.128	0.143	-10.5		59775	503	0.010	0.011	-9.1	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
59781	501	0.048	0.052	-7.7		59904	503	0.038	0.041	-7.3		59947	502	0.045	0.049	-8.2	
59781	502	0.046	0.050	-8.0		59905	501	0.060	0.067	-10.4		59947	503	0.038	0.041	-7.3	
59781	503	0.038	0.042	-9.5		59905	502	0.056	0.063	-11.1		59955	501	0.020	0.023	-13.0	
59782	501	0.071	0.077	-7.8		59905	503	0.031	0.034	-8.8		59955	502	0.019	0.021	-9.5	
59782	502	0.069	0.075	-8.0		59914	501	0.350	0.400	-12.5		59955	503	0.010	0.012	-16.7	
59782	503	0.057	0.063	-9.5		59914	502	0.330	0.370	-10.8		59963	501	0.151	0.170	-11.2	
59783	501	0.069	0.075	-8.0		59914	503	0.179	0.202	-11.4		59963	502	0.141	0.158	-10.8	
59783	502	0.067	0.073	-8.2		59915	501	0.155	0.169	-8.3		59963	503	0.077	0.087	-11.5	
59783	503	0.056	0.061	-8.2		59915	502	0.150	0.163	-8.0		59964	501	0.350	0.400	-12.5	
59784	501	0.053	0.058	-8.6		59915	503	0.126	0.137	-8.0		59964	502	0.330	0.370	-10.8	
59784	502	0.051	0.056	-8.9		59917	501	0.029	0.031	-6.5		59964	503	0.180	0.204	-11.8	
59784	503	0.043	0.047	-8.5		59917	502	0.028	0.030	-6.7		59970	501	0.063	0.068	-7.4	
59790	501	0.085	0.096	-11.5		59917	503	0.023	0.025	-8.0		59970	502	0.061	0.066	-7.6	
59790	502	0.079	0.089	-11.2		59923	501	0.009	0.010	-10.0		59970	503	0.051	0.056	-8.9	
59790	503	0.043	0.049	-12.2		59923	502	0.008	0.009	-11.1		59973	501	0.098	0.110	-10.9	
59798	501	0.180	0.196	-8.2		59923	503	0.004	0.005	-20.0		59973	502	0.091	0.102	-10.8	
59798	502	0.174	0.190	-8.4		59925	501	0.203	0.221	-8.1		59973	503	0.050	0.056	-10.7	
59798	503	0.146	0.160	-8.8		59925	502	0.192	0.208	-7.7		59975	501	0.088	0.096	-8.3	
59806	501	0.129	0.140	-7.9		59925	503	0.222	0.242	-8.3		59975	502	0.085	0.093	-8.6	
59806	502	0.125	0.136	-8.1		59926	501	0.173	0.188	-8.0		59975	503	0.071	0.078	-9.0	
59806	503	0.105	0.114	-7.9		59926	502	0.163	0.177	-7.9		59977	501	0.050	0.055	-9.1	
59867	501	0.096	0.108	-11.1		59926	503	0.189	0.206	-8.3		59977	502	0.049	0.053	-7.5	
59867	502	0.089	0.100	-11.0		59927	501	0.116	0.126	-7.9		59977	503	0.041	0.044	-6.8	
59867	503	0.049	0.055	-10.9		59927	502	0.109	0.119	-8.4		59984	501	0.027	0.030	-10.0	
59886	501	0.013	0.015	-13.3		59927	503	0.127	0.138	-8.0		59984	502	0.025	0.028	-10.7	
59886	502	0.012	0.014	-14.3		59931	501	0.159	0.178	-10.7		59984	503	0.014	0.015	-6.7	
59886	503	0.007	0.007	0.0		59931	502	0.147	0.165	-10.9		59985	501	0.105	0.117	-10.3	
59889	501	0.058	0.063	-7.9		59931	503	0.081	0.091	-11.0		59985	502	0.097	0.109	-11.0	
59889	502	0.052	0.057	-8.8		59932	501	0.171	0.191	-10.5		59985	503	0.053	0.060	-11.7	
59889	503	0.032	0.035	-8.6		59932	502	0.159	0.178	-10.7		59986	501	0.080	0.090	-11.1	
59892	501	0.069	0.075	-8.0		59932	503	0.087	0.098	-11.2		59986	502	0.074	0.083	-10.8	
59892	502	0.067	0.073	-8.2		59941	501	0.053	0.060	-11.7		59986	503	0.041	0.046	-10.9	
59892	503	0.056	0.061	-8.2		59941	502	0.049	0.056	-12.5		59988	501	0.022	0.024	-8.3	
59904	501	0.047	0.051	-7.8		59941	503	0.027	0.031	-12.9		59988	502	0.022	0.024	-8.3	
59904	502	0.045	0.049	-8.2		59947	501	0.047	0.051	-7.8		59988	503	0.018	0.020	-10.0	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
59989	501	0.014	0.016	-12.5		61217	503	18.100	17.600	+2.8		63011	502	36.300	35.300	+2.8	
59989	502	0.013	0.015	-13.3		61218	501	7.710	7.870	-2.0		63011	503	56.900	55.100	+3.3	
59989	503	0.007	0.008	-12.5		61218	502	10.700	10.400	+2.9		63012	501	53.400	54.400	-1.8	
60010	501	16.700	17.000	-1.8		61218	503	12.400	12.000	+3.3		63012	502	51.600	50.200	+2.8	
60010	502	16.100	15.700	+2.5		61223	501	54.800	56.000	-2.1		63012	503	80.900	78.400	+3.2	
60010	503	25.300	24.500	+3.3		61223	502	76.100	74.100	+2.7		63013	501	50.500	51.500	-1.9	
60011	501	19.200	19.600	-2.0		61223	503	88.000	85.300	+3.2		63013	502	48.900	47.600	+2.7	
60011	502	18.600	18.100	+2.8		61224	501	17.500	17.800	-1.7		63013	503	76.600	74.200	+3.2	
60011	503	29.100	28.200	+3.2		61224	502	24.200	23.600	+2.5		63215	501	31.900	32.500	-1.8	
60012	501	31.500	32.100	-1.9		61224	503	28.100	27.200	+3.3		63215	502	44.200	43.100	+2.6	
60012	502	30.500	29.700	+2.7		61225	501	24.200	24.700	-2.0		63215	503	51.200	49.600	+3.2	
60012	503	47.800	46.300	+3.2		61225	502	33.600	32.800	+2.4		63216	501	22.100	22.600	-2.2	
60013	501	27.000	27.600	-2.2		61225	503	38.900	37.700	+3.2		63216	502	30.700	29.900	+2.7	
60013	502	26.100	25.400	+2.8		61226	501	40.800	41.600	-1.9		63216	503	35.500	34.400	+3.2	
60013	503	41.000	39.700	+3.3		61226	502	56.600	55.100	+2.7		63217	501	23.200	25.300	-8.3	
60015	501	20.200	20.600	-1.9		61226	503	65.500	63.400	+3.3		63217	502	24.600	25.600	-3.9	
60015	502	19.500	19.000	+2.6		61227	501	37.300	38.100	-2.1		63217	503	31.000	32.100	-3.4	
60015	503	30.600	29.600	+3.4		61227	502	51.800	50.500	+2.6		63218	501	7.820	8.530	-8.3	
60016	501	22.700	23.100	-1.7		61227	503	59.900	58.100	+3.1		63218	502	8.280	8.630	-4.1	
60016	502	21.900	21.400	+2.3		62000	501	8.490	8.670	-2.1		63218	503	10.400	10.800	-3.7	
60016	503	34.400	33.300	+3.3		62000	502	11.800	11.500	+2.6		64074	501	16.000	16.600	-3.6	
60035	501	21.900	22.300	-1.8		62000	503	13.600	13.200	+3.0		64074	502	9.340	9.240	+1.1	
60035	502	30.400	29.600	+2.7		62001	501	6.700	6.840	-2.0		64074	503	13.500	13.300	+1.5	
60035	503	35.100	34.000	+3.2		62001	502	9.310	9.060	+2.8		64075	501	11.300	11.700	-3.4	
61000	501	16.500	16.800	-1.8		62001	503	10.800	10.400	+3.8		64075	502	6.570	6.510	+0.9	
61000	502	16.000	15.500	+3.2		62002	501	3.060	3.130	-2.2		64075	503	9.500	9.360	+1.5	
61000	503	25.000	24.200	+3.3		62002	502	4.250	4.140	+2.7		65007	501	19.400	19.800	-2.0	
61212	501	11.200	11.400	-1.8		62002	503	4.920	4.760	+3.4		65007	502	26.900	26.200	+2.7	
61212	502	15.500	15.100	+2.6		62003	501	9.640	9.840	-2.0		65007	503	31.200	30.200	+3.3	
61212	503	17.900	17.400	+2.9		62003	502	13.400	13.000	+3.1		66122	501	8.340	8.520	-2.1	
61216	501	12.400	12.700	-2.4		62003	503	15.500	15.000	+3.3		66122	502	11.600	11.300	+2.7	
61216	502	17.200	16.800	+2.4		63010	501	30.000	30.600	-2.0		66122	503	13.400	13.000	+3.1	
61216	503	19.900	19.300	+3.1		63010	502	29.000	28.300	+2.5		66123	501	4.590	4.690	-2.1	
61217	501	11.300	11.500	-1.7		63010	503	45.500	44.100	+3.2		66123	502	6.370	6.210	+2.6	
61217	502	15.700	15.300	+2.6		63011	501	37.500	38.300	-2.1		66123	503	7.380	7.140	+3.4	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
66309	501	13.400	13.700	-2.2		68001	503	86.500	83.800	+3.2		91125	502	2.050	2.230	-8.1	
66309	502	18.600	18.100	+2.8		68439	501	69.200	70.700	-2.1		91125	503	2.050	2.230	-8.1	
66309	503	21.500	20.900	+2.9		68439	502	96.200	93.700	+2.7		91127	501	0.940	1.020	-7.8	
66561	501	31.000	31.700	-2.2		68439	503	111.000	108.000	+2.8		91127	502	0.940	1.020	-7.8	
66561	502	43.100	42.000	+2.6		68500	501	3.670	3.740	-1.9		91127	503	0.940	1.020	-7.8	
66561	503	49.900	48.300	+3.3		68500	502	3.550	3.450	+2.9		91130	501	0.880	0.960	-8.3	
67017	501	28.800	29.400	-2.0		68500	503	5.570	5.390	+3.3		91130	502	0.880	0.960	-8.3	
67017	502	40.000	39.000	+2.6		68604	501	1.300	1.320	-1.5		91130	503	0.880	0.960	-8.3	
67017	503	46.300	44.800	+3.3		68604	502	1.800	1.750	+2.9		91135	501	0.244	0.270	-9.6	
67508	501	28.000	31.400	-10.8		68604	503	2.080	2.020	+3.0		91135	502	0.244	0.270	-9.6	
67508	502	25.500	27.200	-6.3		68606	501	5.060	5.170	-2.1		91135	503	0.244	0.270	-9.6	
67508	503	30.500	32.500	-6.2		68606	502	7.030	6.840	+2.8		91150	501	0.890	0.970	-8.2	
67509	501	20.500	23.000	-10.9		68606	503	8.130	7.870	+3.3		91150	502	0.890	0.970	-8.2	
67509	502	18.700	20.000	-6.5		68607	501	4.000	4.080	-2.0		91150	503	0.890	0.970	-8.2	
67509	503	22.400	23.800	-5.9		68607	502	5.550	5.410	+2.6		91155	501	1.980	2.150	-7.9	
67510	501	11.400	12.800	-10.9		68607	503	6.430	6.220	+3.4		91155	502	1.980	2.150	-7.9	
67510	502	10.400	11.100	-6.3		68702	501	3.290	3.370	-2.4		91155	503	1.980	2.150	-7.9	
67510	503	12.500	13.300	-6.0		68702	502	4.580	4.460	+2.7		91160	501	0.820	0.900	-8.9	
67511	501	12.400	13.900	-10.8		68702	503	5.290	5.130	+3.1		91160	502	0.820	0.900	-8.9	
67511	502	11.200	12.000	-6.7		68703	501	2.470	2.520	-2.0		91160	503	0.820	0.900	-8.9	
67511	503	13.500	14.300	-5.6		68703	502	3.430	3.340	+2.7		91175	501	0.710	0.770	-7.8	
67512	501	53.000	59.300	-10.6		68703	503	3.970	3.840	+3.4		91175	502	0.710	0.770	-7.8	
67512	502	48.200	51.500	-6.4		68706	501	10.600	10.800	-1.9		91175	503	0.710	0.770	-7.8	
67512	503	57.700	61.400	-6.0		68706	502	14.700	14.300	+2.8		91177	501	3.100	3.360	-7.7	
67513	501	33.600	37.600	-10.6		68706	503	17.000	16.500	+3.0		91177	502	3.100	3.360	-7.7	
67513	502	30.600	32.700	-6.4		68707	501	10.500	10.700	-1.9		91177	503	3.100	3.360	-7.7	
67513	503	36.600	39.000	-6.2		68707	502	14.500	14.200	+2.1		91179	501	3.110	3.380	-8.0	
67634	501	24.900	25.500	-2.4		68707	503	16.800	16.300	+3.1		91179	502	3.110	3.380	-8.0	
67634	502	34.600	33.700	+2.7		90089	501	3.400	3.690	-7.9		91179	503	3.110	3.380	-8.0	
67634	503	40.100	38.800	+3.4		90089	502	3.400	3.690	-7.9		91190	501	1.670	1.810	-7.7	
67635	501	17.600	18.000	-2.2		90089	503	3.400	3.690	-7.9		91190	502	1.670	1.810	-7.7	
67635	502	24.500	23.900	+2.5		91111	501	1.400	1.520	-7.9		91190	503	1.670	1.810	-7.7	
67635	503	28.300	27.400	+3.3		91111	502	1.400	1.520	-7.9		91200	501	0.500	0.550	-9.1	
68001	501	53.800	55.000	-2.2		91111	503	1.400	1.520	-7.9		91200	502	0.500	0.550	-9.1	
68001	502	74.800	72.800	+2.7		91125	501	2.050	2.230	-8.1		91200	503	0.500	0.550	-9.1	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
91235	501	1.090	1.180	-7.6		91405	503	4.270	4.640	-8.0		91590	502	2.720	2.960	-8.1	
91235	502	1.090	1.180	-7.6		91436	501	4.020	4.370	-8.0		91590	503	2.720	2.960	-8.1	
91235	503	1.090	1.180	-7.6		91436	502	4.020	4.370	-8.0		91606	501	8.570	9.340	-8.2	
91250	501	1.640	1.780	-7.9		91436	503	4.020	4.370	-8.0		91606	502	8.570	9.340	-8.2	
91250	502	1.640	1.780	-7.9		91481	501	14.700	15.900	-7.5		91606	503	8.570	9.340	-8.2	
91250	503	1.640	1.780	-7.9		91481	502	14.700	15.900	-7.5		91629	501	1.750	1.910	-8.4	
91265	501	10.700	11.600	-7.8		91481	503	14.700	15.900	-7.5		91629	502	1.750	1.910	-8.4	
91265	502	10.700	11.600	-7.8		91507	501	2.160	2.350	-8.1		91629	503	1.750	1.910	-8.4	
91265	503	10.700	11.600	-7.8		91507	502	2.160	2.350	-8.1		91636	501	3.000	3.270	-8.3	
91266	501	5.660	6.170	-8.3		91507	503	2.160	2.350	-8.1		91636	502	3.000	3.270	-8.3	
91266	502	5.660	6.170	-8.3		91523	501	33.300	36.200	-8.0		91636	503	3.000	3.270	-8.3	
91266	503	5.660	6.170	-8.3		91523	502	33.300	36.200	-8.0		91641	501	0.810	0.890	-9.0	
91302	501	8.300	9.010	-7.9		91523	503	33.300	36.200	-8.0		91641	502	0.810	0.890	-9.0	
91302	502	8.300	9.010	-7.9		91547	501	0.190	0.206	-7.8		91641	503	0.810	0.890	-9.0	
91302	503	8.300	9.010	-7.9		91547	502	0.190	0.206	-7.8		91666	501	0.730	0.800	-8.8	
91315	501	2.520	2.740	-8.0		91547	503	0.190	0.206	-7.8		91666	502	0.730	0.800	-8.8	
91315	502	2.520	2.740	-8.0		91551	501	1.180	1.270	-7.1		91666	503	0.730	0.800	-8.8	
91315	503	2.520	2.740	-8.0		91551	502	1.180	1.270	-7.1		91722	501	2.630	2.870	-8.4	
91324	501	5.610	6.100	-8.0		91551	503	1.180	1.270	-7.1		91722	502	2.630	2.870	-8.4	
91324	502	5.610	6.100	-8.0		91555	501	0.660	0.710	-7.0		91722	503	2.630	2.870	-8.4	
91324	503	5.610	6.100	-8.0		91555	502	0.660	0.710	-7.0		91746	501	2.620	2.850	-8.1	
91340	501	3.660	3.980	-8.0		91555	503	0.660	0.710	-7.0		91746	502	2.620	2.850	-8.1	
91340	502	3.660	3.980	-8.0		91560	501	3.130	3.410	-8.2		91746	503	2.620	2.850	-8.1	
91340	503	3.660	3.980	-8.0		91560	502	3.130	3.410	-8.2		91805	501	0.164	0.178	-7.9	
91341	501	3.550	3.860	-8.0		91560	503	3.130	3.410	-8.2		91805	502	0.164	0.178	-7.9	
91341	502	3.550	3.860	-8.0		91562	501	2.620	2.850	-8.1		91805	503	0.164	0.178	-7.9	
91341	503	3.550	3.860	-8.0		91562	502	2.620	2.850	-8.1		92053	501	0.400	0.440	-9.1	
91342	501	3.360	3.650	-7.9		91562	503	2.620	2.850	-8.1		92053	502	0.400	0.440	-9.1	
91342	502	3.360	3.650	-7.9		91577	501	9.360	10.100	-7.3		92053	503	0.400	0.440	-9.1	
91342	503	3.360	3.650	-7.9		91577	502	9.360	10.100	-7.3		92054	501	0.139	0.151	-7.9	
91343	501	0.780	0.860	-9.3		91577	503	9.360	10.100	-7.3		92054	502	0.139	0.151	-7.9	
91343	502	0.780	0.860	-9.3		91580	501	4.130	4.500	-8.2		92054	503	0.139	0.151	-7.9	
91343	503	0.780	0.860	-9.3		91580	502	4.130	4.500	-8.2		92055	501	3.880	4.220	-8.1	
91405	501	4.270	4.640	-8.0		91580	503	4.130	4.500	-8.2		92055	502	3.880	4.220	-8.1	
91405	502	4.270	4.640	-8.0		91590	501	2.720	2.960	-8.1		92055	503	3.880	4.220	-8.1	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
92101	501	6.070	6.600	-8.0		92663	503	0.410	0.450	-8.9		95233	502	2.490	2.710	-8.1	
92101	502	6.070	6.600	-8.0		94007	501	8.660	9.410	-8.0		95233	503	2.490	2.710	-8.1	
92101	503	6.070	6.600	-8.0		94007	502	8.660	9.410	-8.0		95305	501	2.700	2.940	-8.2	
92102	501	3.650	3.970	-8.1		94007	503	8.660	9.410	-8.0		95305	502	2.700	2.940	-8.2	
92102	502	3.650	3.970	-8.1		94099	501	1.970	2.140	-7.9		95305	503	2.700	2.940	-8.2	
92102	503	3.650	3.970	-8.1		94099	502	1.970	2.140	-7.9		95306	501	3.440	3.750	-8.3	
92215	501	1.560	1.690	-7.7		94099	503	1.970	2.140	-7.9		95306	502	3.440	3.750	-8.3	
92215	502	1.560	1.690	-7.7		94225	501	6.940	7.540	-8.0		95306	503	3.440	3.750	-8.3	
92215	503	1.560	1.690	-7.7		94225	502	6.940	7.540	-8.0		95310	501	6.460	7.010	-7.8	
92338	501	1.400	1.520	-7.9		94225	503	6.940	7.540	-8.0		95310	502	6.460	7.010	-7.8	
92338	502	1.400	1.520	-7.9		94276	501	3.610	3.930	-8.1		95310	503	6.460	7.010	-7.8	
92338	503	1.400	1.520	-7.9		94276	502	3.610	3.930	-8.1		95357	501	0.880	0.960	-8.3	
92445	501	1.720	1.870	-8.0		94276	503	3.610	3.930	-8.1		95357	502	0.880	0.960	-8.3	
92445	502	1.720	1.870	-8.0		94304	501	1.390	1.510	-7.9		95357	503	0.880	0.960	-8.3	
92445	503	1.720	1.870	-8.0		94304	502	1.390	1.510	-7.9		95410	501	3.490	3.790	-7.9	
92446	501	4.610	5.010	-8.0		94304	503	1.390	1.510	-7.9		95410	502	3.490	3.790	-7.9	
92446	502	4.610	5.010	-8.0		94381	501	2.610	2.840	-8.1		95410	503	3.490	3.790	-7.9	
92446	503	4.610	5.010	-8.0		94381	502	2.610	2.840	-8.1		95455	501	3.630	3.950	-8.1	
92447	501	4.030	4.380	-8.0		94381	503	2.610	2.840	-8.1		95455	502	3.630	3.950	-8.1	
92447	502	4.030	4.380	-8.0		94404	501	3.420	3.720	-8.1		95455	503	3.630	3.950	-8.1	
92447	503	4.030	4.380	-8.0		94404	502	3.420	3.720	-8.1		95487	501	1.870	2.030	-7.9	
92451	501	1.090	1.180	-7.6		94404	503	3.420	3.720	-8.1		95487	502	1.870	2.030	-7.9	
92451	502	1.090	1.180	-7.6		94569	501	2.310	2.520	-8.3		95487	503	1.870	2.030	-7.9	
92451	503	1.090	1.180	-7.6		94569	502	2.310	2.520	-8.3		95505	501	1.690	1.840	-8.2	
92453	501	2.550	2.780	-8.3		94569	503	2.310	2.520	-8.3		95505	502	1.690	1.840	-8.2	
92453	502	2.550	2.780	-8.3		94590	501	9.970	10.800	-7.7		95505	503	1.690	1.840	-8.2	
92453	503	2.550	2.780	-8.3		94590	502	9.970	10.800	-7.7		95620	501	1.520	1.650	-7.9	
92478	501	1.260	1.370	-8.0		94590	503	9.970	10.800	-7.7		95620	502	1.520	1.650	-7.9	
92478	502	1.260	1.370	-8.0		94617	501	3.150	3.420	-7.9		95620	503	1.520	1.650	-7.9	
92478	503	1.260	1.370	-8.0		94617	502	3.150	3.420	-7.9		95625	501	3.970	4.310	-7.9	
92593	501	14.300	15.500	-7.7		94617	503	3.150	3.420	-7.9		95625	502	3.970	4.310	-7.9	
92593	502	14.300	15.500	-7.7		95124	501	1.160	1.260	-7.9		95625	503	3.970	4.310	-7.9	
92593	503	14.300	15.500	-7.7		95124	502	1.160	1.260	-7.9		95647	501	1.310	1.420	-7.7	
92663	501	0.410	0.450	-8.9		95124	503	1.160	1.260	-7.9		95647	502	1.310	1.420	-7.7	
92663	502	0.410	0.450	-8.9		95233	501	2.490	2.710	-8.1		95647	503	1.310	1.420	-7.7	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
96053	501	1.000	1.080	-7.4		97111	503	4.170	4.540	-8.1		98002	502	0.590	0.650	-9.2	
96053	502	1.000	1.080	-7.4		97220	501	0.234	0.260	-10.0		98002	503	0.590	0.650	-9.2	
96053	503	1.000	1.080	-7.4		97220	502	0.234	0.260	-10.0		98003	501	0.770	0.840	-8.3	
96317	501	0.910	0.990	-8.1		97220	503	0.234	0.260	-10.0		98003	502	0.770	0.840	-8.3	
96317	502	0.910	0.990	-8.1		97222	501	0.720	0.790	-8.9		98003	503	0.770	0.840	-8.3	
96317	503	0.910	0.990	-8.1		97222	502	0.720	0.790	-8.9		98090	501	0.104	0.112	-7.1	
96408	501	3.020	3.280	-7.9		97222	503	0.720	0.790	-8.9		98090	502	0.104	0.112	-7.1	
96408	502	3.020	3.280	-7.9		97223	501	1.090	1.180	-7.6		98090	503	0.104	0.112	-7.1	
96408	503	3.020	3.280	-7.9		97223	502	1.090	1.180	-7.6		98091	501	0.112	0.122	-8.2	
96409	501	2.790	3.030	-7.9		97223	503	1.090	1.180	-7.6		98091	502	0.112	0.122	-8.2	
96409	502	2.790	3.030	-7.9		97308	501	0.440	0.480	-8.3		98091	503	0.112	0.122	-8.2	
96409	503	2.790	3.030	-7.9		97308	502	0.440	0.480	-8.3		98092	501	0.340	0.370	-8.1	
96410	501	2.450	2.670	-8.2		97308	503	0.440	0.480	-8.3		98092	502	0.340	0.370	-8.1	
96410	502	2.450	2.670	-8.2		97447	501	1.440	1.570	-8.3		98092	503	0.340	0.370	-8.1	
96410	503	2.450	2.670	-8.2		97447	502	1.440	1.570	-8.3		98111	501	0.280	0.300	-6.7	
96611	501	0.840	0.920	-8.7		97447	503	1.440	1.570	-8.3		98111	502	0.280	0.300	-6.7	
96611	502	0.840	0.920	-8.7		97650	501	2.880	3.130	-8.0		98111	503	0.280	0.300	-6.7	
96611	503	0.840	0.920	-8.7		97650	502	2.880	3.130	-8.0		98152	501	2.000	2.180	-8.3	
96702	501	3.480	3.780	-7.9		97650	503	2.880	3.130	-8.0		98152	502	2.000	2.180	-8.3	
96702	502	3.480	3.780	-7.9		97651	501	4.250	4.640	-8.4		98152	503	2.000	2.180	-8.3	
96702	503	3.480	3.780	-7.9		97651	502	4.250	4.640	-8.4		98153	501	2.250	2.460	-8.5	
96816	501	3.260	3.540	-7.9		97651	503	4.250	4.640	-8.4		98153	502	2.250	2.460	-8.5	
96816	502	3.260	3.540	-7.9		97652	501	3.690	4.020	-8.2		98153	503	2.250	2.460	-8.5	
96816	503	3.260	3.540	-7.9		97652	502	3.690	4.020	-8.2		98154	501	2.660	2.900	-8.3	
96872	501	3.220	3.510	-8.3		97652	503	3.690	4.020	-8.2		98154	502	2.660	2.900	-8.3	
96872	502	3.220	3.510	-8.3		97653	501	2.460	2.680	-8.2		98154	503	2.660	2.900	-8.3	
96872	503	3.220	3.510	-8.3		97653	502	2.460	2.680	-8.2		98155	501	3.720	4.060	-8.4	
97047	501	2.550	2.780	-8.3		97653	503	2.460	2.680	-8.2		98155	502	3.720	4.060	-8.4	
97047	502	2.550	2.780	-8.3		97654	501	4.300	4.670	-7.9		98155	503	3.720	4.060	-8.4	
97047	503	2.550	2.780	-8.3		97654	502	4.300	4.670	-7.9		98157	501	2.380	2.590	-8.1	
97050	501	1.980	2.160	-8.3		97654	503	4.300	4.670	-7.9		98157	502	2.380	2.590	-8.1	
97050	502	1.980	2.160	-8.3		97655	501	3.280	3.580	-8.4		98157	503	2.380	2.590	-8.1	
97050	503	1.980	2.160	-8.3		97655	502	3.280	3.580	-8.4		98159	501	1.590	1.740	-8.6	
97111	501	4.170	4.540	-8.1		97655	503	3.280	3.580	-8.4		98159	502	1.590	1.740	-8.6	
97111	502	4.170	4.540	-8.1		98002	501	0.590	0.650	-9.2		98159	503	1.590	1.740	-8.6	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
98160	501	3.380	3.680	-8.2		98309	503	3.750	4.090	-8.3		98449	502	2.790	3.030	-7.9	
98160	502	3.380	3.680	-8.2		98344	501	0.570	0.620	-8.1		98449	503	2.790	3.030	-7.9	
98160	503	3.380	3.680	-8.2		98344	502	0.570	0.620	-8.1		98482	501	2.990	3.250	-8.0	
98161	501	3.780	4.130	-8.5		98344	503	0.570	0.620	-8.1		98482	502	2.990	3.250	-8.0	
98161	502	3.780	4.130	-8.5		98405	501	0.940	1.020	-7.8		98482	503	2.990	3.250	-8.0	
98161	503	3.780	4.130	-8.5		98405	502	0.940	1.020	-7.8		98483	501	4.420	4.810	-8.1	
98163	501	3.970	4.330	-8.3		98405	503	0.940	1.020	-7.8		98483	502	4.420	4.810	-8.1	
98163	502	3.970	4.330	-8.3		98413	501	11.300	12.300	-8.1		98483	503	4.420	4.810	-8.1	
98163	503	3.970	4.330	-8.3		98413	502	11.300	12.300	-8.1		98502	501	4.230	4.600	-8.0	
98164	501	0.920	1.000	-8.0		98413	503	11.300	12.300	-8.1		98502	502	4.230	4.600	-8.0	
98164	502	0.920	1.000	-8.0		98414	501	10.400	11.200	-7.1		98502	503	4.230	4.600	-8.0	
98164	503	0.920	1.000	-8.0		98414	502	10.400	11.200	-7.1		98555	501	1.970	2.140	-7.9	
98257	501	1.160	1.260	-7.9		98414	503	10.400	11.200	-7.1		98555	502	1.970	2.140	-7.9	
98257	502	1.160	1.260	-7.9		98415	501	1.360	1.480	-8.1		98555	503	1.970	2.140	-7.9	
98257	503	1.160	1.260	-7.9		98415	502	1.360	1.480	-8.1		98597	501	0.440	0.480	-8.3	
98303	501	7.470	8.150	-8.3		98415	503	1.360	1.480	-8.1		98597	502	0.440	0.480	-8.3	
98303	502	7.470	8.150	-8.3		98423	501	3.250	3.530	-7.9		98597	503	0.440	0.480	-8.3	
98303	503	7.470	8.150	-8.3		98423	502	3.250	3.530	-7.9		98598	501	0.152	0.165	-7.9	
98304	501	4.310	4.690	-8.1		98423	503	3.250	3.530	-7.9		98598	502	0.152	0.165	-7.9	
98304	502	4.310	4.690	-8.1		98424	501	5.510	5.990	-8.0		98598	503	0.152	0.165	-7.9	
98304	503	4.310	4.690	-8.1		98424	502	5.510	5.990	-8.0		98601	501	5.070	5.510	-8.0	
98305	501	2.050	2.230	-8.1		98424	503	5.510	5.990	-8.0		98601	502	5.070	5.510	-8.0	
98305	502	2.050	2.230	-8.1		98425	501	2.260	2.460	-8.1		98601	503	5.070	5.510	-8.0	
98305	503	2.050	2.230	-8.1		98425	502	2.260	2.460	-8.1		98624	501	0.800	0.870	-8.0	
98306	501	5.280	5.730	-7.9		98425	503	2.260	2.460	-8.1		98624	502	0.800	0.870	-8.0	
98306	502	5.280	5.730	-7.9		98426	501	2.000	2.170	-7.8		98624	503	0.800	0.870	-8.0	
98306	503	5.280	5.730	-7.9		98426	502	2.000	2.170	-7.8		98636	501	1.340	1.450	-7.6	
98307	501	1.360	1.480	-8.1		98426	503	2.000	2.170	-7.8		98636	502	1.340	1.450	-7.6	
98307	502	1.360	1.480	-8.1		98427	501	1.950	2.120	-8.0		98636	503	1.340	1.450	-7.6	
98307	503	1.360	1.480	-8.1		98427	502	1.950	2.120	-8.0		98640	501	87.400	94.900	-7.9	
98308	501	0.900	0.980	-8.2		98427	503	1.950	2.120	-8.0		98640	502	87.400	94.900	-7.9	
98308	502	0.900	0.980	-8.2		98429	501	0.780	0.860	-9.3		98640	503	87.400	94.900	-7.9	
98308	503	0.900	0.980	-8.2		98429	502	0.780	0.860	-9.3		98658	501	3.850	4.190	-8.1	
98309	501	3.750	4.090	-8.3		98429	503	0.780	0.860	-9.3		98658	502	3.850	4.190	-8.1	
98309	502	3.750	4.090	-8.3		98449	501	2.790	3.030	-7.9		98658	503	3.850	4.190	-8.1	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
98659	501	0.690	0.750	-8.0		98820	503	6.900	7.500	-8.0		99220	502	1.030	1.120	-8.0	
98659	502	0.690	0.750	-8.0		98884	501	1.790	1.950	-8.2		99220	503	1.030	1.120	-8.0	
98659	503	0.690	0.750	-8.0		98884	502	1.790	1.950	-8.2		99222	501	1.940	2.110	-8.1	
98677	501	13.800	14.900	-7.4		98884	503	1.790	1.950	-8.2		99222	502	1.940	2.110	-8.1	
98677	502	13.800	14.900	-7.4		98914	501	0.470	0.510	-7.8		99222	503	1.940	2.110	-8.1	
98677	503	13.800	14.900	-7.4		98914	502	0.470	0.510	-7.8		99223	501	0.202	0.220	-8.2	
98678	501	12.200	13.300	-8.3		98914	503	0.470	0.510	-7.8		99223	502	0.202	0.220	-8.2	
98678	502	12.200	13.300	-8.3		98949	501	0.660	0.720	-8.3		99223	503	0.202	0.220	-8.2	
98678	503	12.200	13.300	-8.3		98949	502	0.660	0.720	-8.3		99303	501	11.000	11.900	-7.6	
98699	501	3.980	4.330	-8.1		98949	503	0.660	0.720	-8.3		99303	502	11.000	11.900	-7.6	
98699	502	3.980	4.330	-8.1		98967	501	2.820	3.060	-7.8		99303	503	11.000	11.900	-7.6	
98699	503	3.980	4.330	-8.1		98967	502	2.820	3.060	-7.8		99310	501	2.750	2.990	-8.0	
98705	501	5.440	5.930	-8.3		98967	503	2.820	3.060	-7.8		99310	502	2.750	2.990	-8.0	
98705	502	5.440	5.930	-8.3		98993	501	2.560	2.780	-7.9		99310	503	2.750	2.990	-8.0	
98705	503	5.440	5.930	-8.3		98993	502	2.560	2.780	-7.9		99315	501	8.100	8.810	-8.1	
98710	501	2.770	3.000	-7.7		98993	503	2.560	2.780	-7.9		99315	502	8.100	8.810	-8.1	
98710	502	2.770	3.000	-7.7		99003	501	1.340	1.450	-7.6		99315	503	8.100	8.810	-8.1	
98710	503	2.770	3.000	-7.7		99003	502	1.340	1.450	-7.6		99321	501	7.860	8.550	-8.1	
98751	501	2.910	3.170	-8.2		99003	503	1.340	1.450	-7.6		99321	502	7.860	8.550	-8.1	
98751	502	2.910	3.170	-8.2		99004	501	2.320	2.520	-7.9		99321	503	7.860	8.550	-8.1	
98751	503	2.910	3.170	-8.2		99004	502	2.320	2.520	-7.9		99471	501	0.470	0.510	-7.8	
98805	501	3.610	3.930	-8.1		99004	503	2.320	2.520	-7.9		99471	502	0.470	0.510	-7.8	
98805	502	3.610	3.930	-8.1		99080	501	0.950	1.030	-7.8		99471	503	0.470	0.510	-7.8	
98805	503	3.610	3.930	-8.1		99080	502	0.950	1.030	-7.8		99505	501	2.160	2.350	-8.1	
98806	501	1.250	1.350	-7.4		99080	503	0.950	1.030	-7.8		99505	502	2.160	2.350	-8.1	
98806	502	1.250	1.350	-7.4		99111	501	1.380	1.490	-7.4		99505	503	2.160	2.350	-8.1	
98806	503	1.250	1.350	-7.4		99111	502	1.380	1.490	-7.4		99506	501	2.660	2.890	-8.0	
98810	501	2.890	3.140	-8.0		99111	503	1.380	1.490	-7.4		99506	502	2.660	2.890	-8.0	
98810	502	2.890	3.140	-8.0		99163	501	3.290	3.570	-7.8		99506	503	2.660	2.890	-8.0	
98810	503	2.890	3.140	-8.0		99163	502	3.290	3.570	-7.8		99507	501	2.320	2.520	-7.9	
98813	501	2.790	3.030	-7.9		99163	503	3.290	3.570	-7.8		99507	502	2.320	2.520	-7.9	
98813	502	2.790	3.030	-7.9		99165	501	0.720	0.790	-8.9		99507	503	2.320	2.520	-7.9	
98813	503	2.790	3.030	-7.9		99165	502	0.720	0.790	-8.9		99570	501	1.250	1.350	-7.4	
98820	501	6.900	7.500	-8.0		99165	503	0.720	0.790	-8.9		99570	502	1.250	1.350	-7.4	
98820	502	6.900	7.500	-8.0		99220	501	1.030	1.120	-8.0		99570	503	1.250	1.350	-7.4	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Terr	Proposed Loss	Present Cost	Percent Change	Capping Flag
99571	501	0.300	0.330	-9.1		99760	503	0.215	0.234	-8.1		99953	502	4.570	4.970	-8.0	
99571	502	0.300	0.330	-9.1		99777	501	5.010	5.440	-7.9		99953	503	4.570	4.970	-8.0	
99571	503	0.300	0.330	-9.1		99777	502	5.010	5.440	-7.9		99954	501	3.330	3.610	-7.8	
99572	501	0.590	0.640	-7.8		99777	503	5.010	5.440	-7.9		99954	502	3.330	3.610	-7.8	
99572	502	0.590	0.640	-7.8		99793	501	2.390	2.600	-8.1		99954	503	3.330	3.610	-7.8	
99572	503	0.590	0.640	-7.8		99793	502	2.390	2.600	-8.1		99955	501	4.170	4.530	-7.9	
99573	501	0.560	0.610	-8.2		99793	503	2.390	2.600	-8.1		99955	502	4.170	4.530	-7.9	
99573	502	0.560	0.610	-8.2		99826	501	0.570	0.620	-8.1		99955	503	4.170	4.530	-7.9	
99573	503	0.560	0.610	-8.2		99826	502	0.570	0.620	-8.1		99963	501	0.540	0.590	-8.5	
99600	501	1.010	1.090	-7.3		99826	503	0.570	0.620	-8.1		99963	502	0.540	0.590	-8.5	
99600	502	1.010	1.090	-7.3		99827	501	0.340	0.370	-8.1		99963	503	0.540	0.590	-8.5	
99600	503	1.010	1.090	-7.3		99827	502	0.340	0.370	-8.1		99969	501	1.880	2.050	-8.3	
99613	501	6.960	7.570	-8.1		99827	503	0.340	0.370	-8.1		99969	502	1.880	2.050	-8.3	
99613	502	6.960	7.570	-8.1		99851	501	1.390	1.510	-7.9		99969	503	1.880	2.050	-8.3	
99613	503	6.960	7.570	-8.1		99851	502	1.390	1.510	-7.9		99975	501	3.700	4.020	-8.0	
99614	501	2.250	2.450	-8.2		99851	503	1.390	1.510	-7.9		99975	502	3.700	4.020	-8.0	
99614	502	2.250	2.450	-8.2		99917	501	2.250	2.450	-8.2		99975	503	3.700	4.020	-8.0	
99614	503	2.250	2.450	-8.2		99917	502	2.250	2.450	-8.2		99988	501	1.660	1.810	-8.3	
99620	501	0.380	0.410	-7.3		99917	503	2.250	2.450	-8.2		99988	502	1.660	1.810	-8.3	
99620	502	0.380	0.410	-7.3		99938	501	2.530	2.750	-8.0		99988	503	1.660	1.810	-8.3	
99620	503	0.380	0.410	-7.3		99938	502	2.530	2.750	-8.0							
99650	501	0.590	0.640	-7.8		99938	503	2.530	2.750	-8.0							
99650	502	0.590	0.640	-7.8		99943	501	7.330	7.970	-8.0							
99650	503	0.590	0.640	-7.8		99943	502	7.330	7.970	-8.0							
99709	501	1.460	1.580	-7.6		99943	503	7.330	7.970	-8.0							
99709	502	1.460	1.580	-7.6		99946	501	5.460	5.930	-7.9							
99709	503	1.460	1.580	-7.6		99946	502	5.460	5.930	-7.9							
99718	501	1.110	1.200	-7.5		99946	503	5.460	5.930	-7.9							
99718	502	1.110	1.200	-7.5		99948	501	3.080	3.340	-7.8							
99718	503	1.110	1.200	-7.5		99948	502	3.080	3.340	-7.8							
99746	501	1.880	2.050	-8.3		99948	503	3.080	3.340	-7.8							
99746	502	1.880	2.050	-8.3		99952	501	4.230	4.600	-8.0							
99746	503	1.880	2.050	-8.3		99952	502	4.230	4.600	-8.0							
99760	501	0.215	0.234	-8.1		99952	503	4.230	4.600	-8.0							
99760	502	0.215	0.234	-8.1		99953	501	4.570	4.970	-8.0							

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LOSS COST PERCENT CHANGE BY CLASS

Class	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Proposed Loss	Present Cost	Percent Change	Capping Flag
10010	0.167	0.189	-11.6		11259	0.128	0.103	+24.3	U	13759	0.109	0.160	-31.9	
10026	0.020	0.023	-13.0		11288	0.071	0.084	-15.5		13930	0.147	0.174	-15.5	
10040	0.320	0.320	0.0		12014	0.040	0.043	-7.0		14068	0.010	0.012	-16.7	
10042	0.340	0.510	-33.3		12356	0.029	0.034	-14.7		14101	0.044	0.049	-10.2	
10060	0.066	0.106	-37.7	L	12361	0.066	0.070	-5.7		14279	0.069	0.085	-18.8	
10065	0.050	0.040	+25.0	U	12373	0.022	0.023	-4.4		14401	0.092	0.105	-12.4	
10066	0.070	0.072	-2.8		12374	0.059	0.057	+3.5		14527	0.169	0.179	-5.6	
10070	0.134	0.151	-11.3		12375	0.041	0.037	+10.8		14855	0.110	0.133	-17.3	
10071	0.105	0.153	-31.4		12391	0.059	0.070	-15.7		14913	0.140	0.215	-34.9	
10073	0.480	0.520	-7.7		12509	0.026	0.031	-16.1		15223	0.039	0.044	-11.4	
10075	0.186	0.300	-38.0	L	12510	0.025	0.029	-13.8		15224	0.061	0.058	+5.2	
10100	0.052	0.059	-11.9		12651	0.450	0.510	-11.8		15406	0.056	0.053	+5.7	
10101	0.160	0.177	-9.6		12707	0.480	0.560	-14.3		15538	0.016	0.019	-15.8	
10107	0.242	0.320	-24.4		12797	0.177	0.194	-8.8		15600	0.091	0.128	-28.9	
10111	0.059	0.067	-11.9		12805	0.161	0.189	-14.8		15608	0.010	0.011	-9.1	
10115	0.077	0.091	-15.4		13049	0.044	0.051	-13.7		15733	0.030	0.034	-11.8	
10140	0.020	0.022	-9.1		13111	0.080	0.092	-13.0		15839	0.026	0.033	-21.2	
10141	0.021	0.023	-8.7		13112	0.054	0.063	-14.3		15991	0.071	0.097	-26.8	
10145	0.008	0.007	+14.3	U	13201	0.123	0.144	-14.6		15993	0.045	0.066	-31.8	
10146	0.016	0.015	+6.7		13204	0.860	1.140	-24.6		16005	0.030	0.031	-3.2	
10255	0.140	0.151	-7.3		13205	0.340	0.420	-19.1		16009	0.111	0.106	+4.7	
10256	0.198	0.183	+8.2		13314	0.012	0.014	-14.3		16403	0.155	0.240	-35.4	
10257	0.146	0.148	-1.4		13351	0.054	0.080	-32.5		16527	0.270	0.320	-15.6	
10309	0.017	0.018	-5.6		13352	0.039	0.051	-23.5		16604	0.100	0.122	-18.0	
10352	0.053	0.054	-1.9		13410	1.660	2.350	-29.4		16676	0.014	0.014	0.0	
11020	0.193	0.193	0.0		13412	1.190	1.210	-1.7		16705	0.113	0.131	-13.7	
11039	0.063	0.074	-14.9		13506	0.067	0.095	-29.5		16750	0.035	0.034	+2.9	
11126	0.023	0.024	-4.2		13507	0.154	0.216	-28.7		16900	0.074	0.092	-19.6	
11127	0.009	0.011	-18.2		13590	0.610	0.670	-9.0		16901	0.099	0.105	-5.7	
11128	0.070	0.099	-29.3		13621	0.340	0.330	+3.0		16902	0.055	0.044	+25.0	
11203	0.380	0.460	-17.4		13670	0.018	0.017	+5.9		16905	0.064	0.092	-30.4	
11204	1.390	1.930	-28.0		13673	0.014	0.016	-12.5		16906	0.091	0.105	-13.3	
11234	0.058	0.071	-18.3		13715	0.111	0.145	-23.5		16910	0.047	0.058	-19.0	
11248	0.013	0.016	-18.8		13716	0.103	0.142	-27.5		16911	0.046	0.054	-14.8	
11258	0.163	0.131	+24.4	U	13720	0.052	0.052	0.0		16915	0.045	0.049	-8.2	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Proposed Loss	Present Cost	Percent Change	Capping Flag
16916	0.053	0.055	-3.6		51116	0.640	0.690	-7.3		51666	0.085	0.089	-4.5	
16920	0.102	0.108	-5.6		51205	0.046	0.059	-22.0		51734	0.430	0.350	+22.9	U
16921	0.041	0.038	+7.9		51206	0.370	0.320	+15.6		51741	0.260	0.243	+7.0	
16930	0.127	0.162	-21.6		51220	1.480	1.900	-22.1		51752	0.141	0.150	-6.0	
16931	0.054	0.076	-28.9		51221	1.470	1.760	-16.5		51767	0.007	0.007	0.0	
16940	0.041	0.039	+5.1		51222	4.760	4.530	+5.1		51777	0.058	0.077	-24.7	
16941	0.073	0.077	-5.2		51224	1.170	1.490	-21.5		51808	0.530	0.680	-22.1	
18078	0.141	0.138	+2.2		51230	0.640	0.740	-13.5		51809	0.173	0.146	+18.5	
18109	0.029	0.034	-14.7		51240	0.215	0.196	+9.7		51833	0.051	0.054	-5.6	
18110	0.032	0.050	-36.0		51241	0.240	0.218	+10.1		51869	0.138	0.136	+1.5	
18205	0.390	0.380	+2.6		51252	0.061	0.074	-17.6		51877	0.156	0.191	-18.3	
18206	0.108	0.143	-24.5		51254	0.025	0.032	-21.9		51889	0.010	0.011	-9.1	
18335	0.016	0.020	-20.0		51300	0.127	0.147	-13.6		51896	0.017	0.017	0.0	
18435	0.058	0.069	-15.9		51305	0.760	0.880	-13.6		51900	0.098	0.100	-2.0	
18436	0.124	0.140	-11.4		51315	0.080	0.096	-16.7		51909	0.048	0.053	-9.4	
18501	0.013	0.011	+18.2		51330	0.820	0.660	+24.2	U	51926	0.041	0.044	-6.8	
18506	0.006	0.006	0.0		51333	0.280	0.320	-12.5		51927	0.100	0.132	-24.2	
18507	0.008	0.011	-27.3		51350	0.115	0.127	-9.5		51934	0.082	0.107	-23.4	
18616	0.490	0.590	-17.0		51351	0.045	0.049	-8.2		51941	0.034	0.041	-17.1	
18707	0.006	0.005	+20.0	U	51352	0.090	0.101	-10.9		51956	0.140	0.205	-31.7	L
18708	0.022	0.027	-18.5		51355	0.082	0.091	-9.9		51957	0.370	0.460	-19.6	
18834	0.111	0.140	-20.7		51356	0.470	0.560	-16.1		51958	0.310	0.370	-16.2	
18911	0.018	0.024	-25.0		51357	0.950	0.760	+25.0	U	51960	0.300	0.330	-9.1	
18912	0.029	0.043	-32.6		51358	0.111	0.129	-14.0		51970	0.138	0.177	-22.0	
18920	0.019	0.023	-17.4		51359	0.620	0.710	-12.7		51982	0.068	0.077	-11.7	
45771	0.131	0.139	-5.8		51370	2.690	3.830	-29.8		51986	0.082	0.096	-14.6	
45819	0.067	0.069	-2.9		51380	0.039	0.041	-4.9		51999	0.320	0.400	-20.0	
45900	0.043	0.036	+19.4		51500	0.145	0.116	+25.0	U	52002	0.104	0.114	-8.8	
45901	0.039	0.045	-13.3		51550	0.420	0.400	+5.0		52075	0.197	0.222	-11.3	
49239	0.360	0.460	-21.7		51551	0.830	0.890	-6.7		52134	0.560	0.600	-6.7	
49617	0.162	0.260	-37.7	L	51552	0.137	0.152	-9.9		52315	0.270	0.270	0.0	
49618	0.058	0.092	-37.0	L	51575	0.023	0.021	+9.5		52433	0.650	0.800	-18.8	
49619	0.119	0.166	-28.3		51576	0.101	0.097	+4.1		52469	0.085	0.096	-11.5	
50010	0.330	0.380	-13.2		51600	0.194	0.172	+12.8		52505	0.195	0.237	-17.7	
51001	0.380	0.420	-9.5		51613	0.141	0.139	+1.4		52547	0.058	0.070	-17.1	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Proposed Loss	Present Cost	Percent Change	Capping Flag
52581	1.800	2.190	-17.8		56391	0.250	0.300	-16.7		58397	0.450	0.650	-30.8	L
52744	0.052	0.066	-21.2		56427	0.107	0.119	-10.1		58503	0.080	0.077	+3.9	
52911	0.420	0.420	0.0		56488	0.042	0.038	+10.5		58575	0.098	0.111	-11.7	
52967	0.052	0.058	-10.3		56690	0.310	0.330	-6.1		58627	0.011	0.012	-8.3	
53001	0.241	0.300	-19.7		56699	0.078	0.067	+16.4		58663	0.650	0.950	-31.6	L
53077	0.204	0.219	-6.9		56758	0.123	0.140	-12.1		58737	0.490	0.550	-10.9	
53121	0.460	0.400	+15.0		56759	0.070	0.078	-10.3		58802	0.390	0.480	-18.8	
53333	0.249	0.248	+0.4		56760	0.087	0.099	-12.1		58837	0.155	0.161	-3.7	
53374	0.191	0.260	-26.5		56912	0.089	0.084	+6.0		58840	0.110	0.121	-9.1	
53375	0.310	0.270	+14.8		56916	0.260	0.215	+20.9	U	58873	0.021	0.027	-22.2	
53376	0.159	0.183	-13.1		57001	0.022	0.026	-15.4		58904	0.108	0.120	-10.0	
53377	0.172	0.188	-8.5		57002	0.080	0.096	-16.7		58922	0.189	0.179	+5.6	
53565	0.081	0.096	-15.6		57090	0.830	0.680	+22.1		59005	0.063	0.089	-29.2	
53631	0.019	0.021	-9.5		57146	0.640	0.750	-14.7		59188	0.047	0.052	-9.6	
53632	0.029	0.032	-9.4		57257	0.042	0.034	+23.5	U	59189	0.250	0.280	-10.7	
53732	0.450	0.470	-4.3		57401	0.079	0.089	-11.2		59223	0.128	0.103	+24.3	U
53733	0.177	0.228	-22.4		57403	0.030	0.033	-9.1		59257	0.011	0.012	-8.3	
53907	0.078	0.086	-9.3		57410	0.164	0.173	-5.2		59378	0.124	0.141	-12.1	
54077	0.360	0.390	-7.7		57572	0.094	0.099	-5.1		59481	0.096	0.096	0.0	
55010	0.760	0.980	-22.5		57600	0.030	0.033	-9.1		59537	0.219	0.232	-5.6	
55011	2.010	1.750	+14.9		57611	0.044	0.055	-20.0		59601	1.800	2.230	-19.3	
55012	0.920	1.110	-17.1		57651	0.037	0.039	-5.1		59647	0.141	0.158	-10.8	
55013	1.130	1.120	+0.9		57690	0.380	0.450	-15.6		59660	0.830	1.060	-21.7	
55214	0.075	0.083	-9.6		57716	0.080	0.074	+8.1		59701	0.380	0.330	+15.2	
55371	0.096	0.108	-11.1		57725	0.083	0.075	+10.7		59713	0.300	0.330	-9.1	
55597	1.450	1.680	-13.7		57726	0.025	0.023	+8.7		59722	0.023	0.028	-17.9	
55647	0.065	0.065	0.0		57810	0.090	0.100	-10.0		59723	0.030	0.034	-11.8	
55715	0.169	0.203	-16.8		57871	0.091	0.111	-18.0		59724	0.016	0.015	+6.7	
55716	0.410	0.490	-16.3		57913	0.206	0.260	-20.8		59725	0.126	0.145	-13.1	
55802	0.013	0.011	+18.2	U	57998	0.047	0.054	-13.0		59726	0.023	0.023	0.0	
55918	1.760	2.260	-22.1		57999	0.065	0.070	-7.1		59738	0.052	0.059	-11.9	
55919	2.950	3.420	-13.7		58095	1.220	1.790	-31.8	L	59750	0.141	0.181	-22.1	
56040	0.028	0.030	-6.7		58096	1.350	1.490	-9.4		59773	0.023	0.026	-11.5	
56202	0.063	0.078	-19.2		58301	0.086	0.077	+11.7		59774	0.127	0.141	-9.9	
56390	0.640	0.700	-8.6		58302	0.042	0.051	-17.7		59775	0.156	0.178	-12.4	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Proposed Loss	Present Cost	Percent Change	Capping Flag
59781	0.065	0.085	-23.5		91341	4.350	6.300	-31.0		96409	9.270	12.800	-27.6	
59782	0.620	0.560	+10.7		91342	4.010	4.700	-14.7		96410	9.190	11.600	-20.8	
59798	0.330	0.460	-28.3		91343	1.620	1.710	-5.3		96611	1.550	1.770	-12.4	
59886	0.087	0.100	-13.0		91436	2.340	2.780	-15.8		97221	1.350	1.200	+12.5	
59889	0.192	0.187	+2.7		91507	3.340	4.030	-17.1		97222	1.930	1.930	0.0	
59904	0.088	0.076	+15.8		91551	0.770	0.800	-3.7		97223	3.050	4.110	-25.8	
59905	0.112	0.120	-6.7		91555	1.090	1.160	-6.0		97447	5.680	6.950	-18.3	
59914	0.650	0.690	-5.8		91560	4.850	5.020	-3.4		97650	4.010	4.840	-17.1	
59915	0.530	0.660	-19.7		91577	3.510	4.210	-16.6		97651	4.850	5.000	-3.0	
59917	0.222	0.232	-4.3		91746	6.180	6.680	-7.5		97652	5.180	6.440	-19.6	
59923	0.006	0.005	+20.0	U	92053	0.810	0.660	+22.7		97653	3.340	3.590	-7.0	
59925	1.150	1.190	-3.4		92054	0.280	0.224	+25.0	U	97654	3.180	3.350	-5.1	
59926	0.460	0.460	0.0		92055	0.280	0.224	+25.0	U	97655	4.680	5.540	-15.5	
59927	1.100	1.300	-15.4		92101	3.340	3.770	-11.4		98002	1.050	1.130	-7.1	
59931	0.370	0.480	-22.9		92102	3.680	4.790	-23.2		98152	0.610	0.970	-37.1	L
59932	0.690	0.800	-13.8		92215	3.340	3.760	-11.2		98157	0.370	0.450	-17.8	
59947	0.260	0.300	-13.3		92338	2.170	2.850	-23.9		98163	0.212	0.204	+3.9	
59955	0.114	0.132	-13.6		92446	2.010	1.920	+4.7		98164	0.073	0.065	+12.3	
59963	0.320	0.370	-13.5		92447	1.650	2.070	-20.3		98303	7.130	8.380	-14.9	
59964	0.059	0.066	-10.6		92451	2.510	2.660	-5.6		98304	4.280	4.520	-5.3	
59970	0.147	0.169	-13.0		92478	1.840	2.070	-11.1		98305	2.140	2.640	-18.9	
59975	0.130	0.190	-31.6	L	94007	5.350	7.010	-23.7		98306	1.160	1.090	+6.4	
59984	0.041	0.049	-16.3		94276	4.680	5.340	-12.4		98307	0.640	0.520	+23.1	
59988	0.050	0.055	-9.1		94381	11.600	18.600	-37.6	L	98308	1.190	1.420	-16.2	
59989	0.037	0.041	-9.8		94404	4.660	7.510	-37.9	L	98309	2.610	2.990	-12.7	
91111	6.180	7.190	-14.0		94569	4.350	4.860	-10.5		98344	0.900	0.800	+12.5	
91125	2.030	1.640	+23.8		95124	1.570	1.340	+17.2		98449	30.400	33.300	-8.7	
91127	1.270	1.330	-4.5		95310	1.290	1.660	-22.3		98482	6.850	9.410	-27.2	
91150	5.680	6.950	-18.3		95410	3.010	3.330	-9.6		98483	16.700	25.600	-34.8	
91155	32.300	52.000	-37.9	L	95455	1.840	1.970	-6.6		98502	4.010	4.980	-19.5	
91235	2.490	2.780	-10.4		95505	2.340	2.930	-20.1		98636	3.840	4.040	-5.0	
91265	3.180	2.550	+24.7	U	95625	4.010	5.250	-23.6		98659	0.420	0.360	+16.7	
91266	0.970	1.380	-29.7		95647	6.180	7.520	-17.8		98677	11.000	13.000	-15.4	
91280	2.920	4.700	-37.9	L	96053	4.680	5.730	-18.3		98678	14.500	18.400	-21.2	
91340	8.360	10.900	-23.3		96408	13.100	16.900	-22.5		98805	1.640	1.800	-8.9	

L - Lower Cap Applied
 U - Upper Cap Applied
 N - Not Subject to Capping
 E - Subject to Capping Exception

STATE: 22 - MINNESOTA
 SUBLINE: PRODUCTS/COMPLETED OPERATIONS

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LOSS COST PERCENT CHANGE BY CLASS

Class	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Proposed Loss	Present Cost	Percent Change	Capping Flag	Class	Proposed Loss	Present Cost	Percent Change	Capping Flag
98806	3.840	3.970	-3.3											
98813	2.380	2.310	+3.0											
98820	3.840	4.250	-9.6											
98884	2.340	2.440	-4.1											
98914	0.580	0.540	+7.4											
98949	0.330	0.270	+22.2											
98967	12.100	15.900	-23.9											
98993	3.940	4.180	-5.7											
99003	1.450	1.710	-15.2											
99004	1.670	2.000	-16.5											
99080	7.850	8.950	-12.3											
99163	0.420	0.420	0.0											
99315	2.170	2.550	-14.9											
99321	2.510	2.890	-13.1											
99613	2.510	2.620	-4.2											
99650	1.120	1.220	-8.2											
99746	3.510	3.950	-11.1											
99803	9.190	13.600	-32.4											
99826	0.830	0.730	+13.7											
99827	0.740	0.600	+23.3											
99946	2.590	3.260	-20.6											
99948	23.800	31.600	-24.7											
99952	18.800	25.200	-25.4											
99953	11.400	13.400	-14.9											
99954	13.800	11.100	+24.3	U										
99955	10.600	8.490	+24.9	U										
99969	2.750	4.420	-37.8											

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MINNESOTA
PREMISES/OPERATIONS
SUBLINE CODE 334
MANUFACTURERS AND CONTRACTORS
DETERMINATION OF INDICATED LOSS COST LEVEL CHANGE

(1) ACCIDENT YEAR ENDING	(2) AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	(3) \$100,000 BASIC LIMIT INCURRED LOSSES (B)	(4) YEAR WEIGHTS	(5) EXPERIENCE RATIO (3) / (2)	(6) NUMBER OF INCURRED OCCURRENCES
09/30/2018	\$15,205,484	\$15,239,201	0.25	1.002	606
09/30/2019	\$15,152,903	\$15,207,467	0.25	1.004	583
09/30/2020	\$15,080,913	\$12,152,607	0.25	0.806	483
09/30/2021	\$14,675,246	\$8,794,933	0.25	0.599	373

(7)	WEIGHTED EXPERIENCE RATIO	0.853
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C)	1.002
(9)	CREDIBILITY BASED ON LATEST FOUR YEARS NUMBER OF INCURRED OCCURRENCES (SEE EXPLANATORY PAGE C-13 - CREDIBILITY STANDARDS)...	0.56
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO { (7) X (9) } + { (8) X { 1.0 - (9) } }	0.919
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (10) - 1 } X 100%	- 8.1%
(12)	INDICATED STATEWIDE MONOLINE CHANGE (SEE SECTION B - BASIC LIMIT RELATIVE CHANGE ANALYSIS)	- 8.5%
(13)	SELECTED STATEWIDE MONOLINE CHANGE	- 8.5%

(A) THESE ARE CALCULATED BY SUMMING OVER THE CLASSES THE PRODUCTS OF REPORTED EXPOSURES, EXPOSURE TREND AND DEVELOPMENT, AND \$100,000 BASIC LIMIT LOSS COSTS AT CURRENT ISO LEVEL. FOR DETAILS, SEE SECTION C, EXHIBIT C1, PAGE 1 - CALCULATION OF AGGREGATE LOSS COSTS AT CURRENT LEVEL.

(B) INCLUDING ALL LOSS ADJUSTMENT EXPENSES AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 05/01/2023. FOR DETAILS, SEE SECTION C, EXHIBIT C1, PAGES 2 AND 3 - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.002). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.002) TO AN EXPONENT (1.083), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (04/01/2023) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (05/01/2024).

MINNESOTA
PREMISES/OPERATIONS
SUBLINE CODE 334
OWNERS, LANDLORDS AND TENANTS
DETERMINATION OF INDICATED LOSS COST LEVEL CHANGE

(1) ACCIDENT YEAR ENDING	(2) AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	(3) \$100,000 BASIC LIMIT INCURRED LOSSES (B)	(4) YEAR WEIGHTS	(5) EXPERIENCE RATIO (3) / (2)	(6) NUMBER OF INCURRED OCCURRENCES
09/30/2018	\$13,691,709	\$14,154,752	0.25	1.034	850
09/30/2019	\$12,835,286	\$15,072,253	0.25	1.174	784
09/30/2020	\$12,530,990	\$11,444,528	0.25	0.913	575
09/30/2021	\$12,126,599	\$10,420,879	0.25	0.859	478

(7)	WEIGHTED EXPERIENCE RATIO	0.995
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C)	1.059
(9)	CREDIBILITY BASED ON LATEST FOUR YEARS NUMBER OF INCURRED OCCURRENCES (SEE EXPLANATORY PAGE C-13 - CREDIBILITY STANDARDS)...	0.67
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO { (7) X (9) } + { (8) X { 1.0 - (9) } }	1.016
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (10) - 1 } X 100%	+ 1.6%
(12)	INDICATED STATEWIDE MONOLINE CHANGE (SEE SECTION B - BASIC LIMIT RELATIVE CHANGE ANALYSIS)	- 2.2%
(13)	SELECTED STATEWIDE MONOLINE CHANGE	- 2.2%

(A) THESE ARE CALCULATED BY SUMMING OVER THE CLASSES THE PRODUCTS OF REPORTED EXPOSURES, EXPOSURE TREND AND DEVELOPMENT, AND \$100,000 BASIC LIMIT LOSS COSTS AT CURRENT ISO LEVEL. FOR DETAILS, SEE SECTION C, EXHIBIT C1, PAGE 4 - CALCULATION OF AGGREGATE LOSS COSTS AT CURRENT LEVEL.

(B) INCLUDING ALL LOSS ADJUSTMENT EXPENSES AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 05/01/2023. FOR DETAILS, SEE SECTION C, EXHIBIT C1, PAGES 5 AND 6 - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.059). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.054) TO AN EXPONENT (1.083), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (04/01/2023) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (05/01/2024).

MINNESOTA
PRODUCTS
SUBLINE CODE 336
DETERMINATION OF INDICATED LOSS COST LEVEL CHANGE

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT	MULTISTATE	MULTISTATE		EXPERIENCE	NUMBER OF
YEAR	AGGREGATE LOSS	\$100,000 BASIC	YEAR	RATIO	INCURRED
<u>ENDING</u>	<u>COSTS AT CURRENT</u>	<u>LIMIT INCURRED</u>	<u>WEIGHTS</u>	<u>(3) / (2)</u>	<u>OCCURRENCES</u>
	<u>LEVEL (A)</u>	<u>LOSSES (B)</u>			
12/31/2017	\$121,492,155	\$125,424,587	0.25	1.032	2,209
12/31/2018	\$119,342,238	\$111,073,386	0.25	0.931	2,055
12/31/2019	\$121,915,968	\$103,364,419	0.25	0.848	1,877
12/31/2020	\$115,353,065	\$84,398,850	0.25	0.732	1,659
(7)	WEIGHTED EXPERIENCE RATIO				0.886
(8)	INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE				
	{ (7) - 1 } X 100%.....				- 11.4%
(9)	INDICATED MULTISTATE MONOLINE CHANGE				
	(SEE SECTION B - BASIC LIMIT RELATIVE CHANGE ANALYSIS).....				- 12.1%
(10)	INDICATED STATEWIDE MONOLINE CHANGE (C)				
	(SEE SECTION B - BASIC LIMIT RELATIVE CHANGE ANALYSIS).....				- 12.3%
(11)	SELECTED STATEWIDE MONOLINE CHANGE.....				- 12.3%
(A)	THESE ARE CALCULATED BY SUMMING OVER THE CLASSES THE PRODUCTS OF MULTISTATE REPORTED EXPOSURES, EXPOSURE TREND AND DEVELOPMENT, AND MULTISTATE \$100,000 BASIC LIMIT LOSS COSTS AT CURRENT ISO LEVEL. FOR DETAILS, SEE SECTION C, EXHIBIT C9 - CALCULATION OF AGGREGATE LOSS COSTS AT CURRENT LEVEL.				
(B)	INCLUDING ALL LOSS ADJUSTMENT EXPENSES AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 07/01/2022.				
(C)	THE INDICATED STATEWIDE PRODUCTS CHANGE IS CALCULATED BY DETERMINING THE EFFECT, ON STATEWIDE LOSS COST LEVELS, OF IMPLEMENTING THE INDICATED MULTISTATE LOSS COSTS. THE DIFFERENCE BETWEEN THE INDICATED MULTISTATE CHANGE AND THE INDICATED STATEWIDE CHANGE IS A RESULT OF A DIFFERENCE IN THE DISTRIBUTION OF RISKS BY CLASS IN THIS JURISDICTION VERSUS THE MULTISTATE.(SEE SECTION A - PRODUCTS CLASS GROUP LOSS COST LEVEL CHANGE).				

MINNESOTA
 LOCAL PRODUCTS/COMPLETED OPERATIONS
 SUBLINE CODE 336
 DETERMINATION OF INDICATED LOSS COST LEVEL CHANGE

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT	MULTISTATE	MULTISTATE		EXPERIENCE	NUMBER OF
YEAR	AGGREGATE LOSS	\$100,000 BASIC		RATIO	INCURRED
<u>ENDING</u>	<u>COSTS AT CURRENT</u>	<u>LIMIT INCURRED</u>	<u>YEAR</u>	<u>(3) / (2)</u>	<u>OCCURRENCES</u>
	<u>LEVEL (A)</u>	<u>LOSSES (B)</u>	<u>WEIGHTS</u>		
12/31/2017	\$399,963,256	\$367,138,410	0.25	0.918	6,453
12/31/2018	\$437,497,071	\$391,661,116	0.25	0.895	6,877
12/31/2019	\$439,882,134	\$393,462,239	0.25	0.894	6,731
12/31/2020	\$410,642,320	\$337,041,785	0.25	0.821	5,617
(7)	WEIGHTED EXPERIENCE RATIO				0.882
(8)	INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE				
	{ (7) - 1 } X 100%.....				- 11.8%
(9)	INDICATED MULTISTATE MONOLINE CHANGE				
	(SEE SECTION B - BASIC LIMIT RELATIVE CHANGE ANALYSIS).....				- 9.4%
(10)	INDICATED STATEWIDE MONOLINE CHANGE (C)				
	(SEE SECTION B - BASIC LIMIT RELATIVE CHANGE ANALYSIS).....				- 18.3%
(11)	SELECTED STATEWIDE MONOLINE CHANGE.....				- 18.3%
(A)	THESE ARE CALCULATED BY SUMMING OVER THE STATES THE PRODUCTS OF STATE- REPORTED EXPOSURES, EXPOSURE TREND AND DEVELOPMENT, AND STATE \$100,000 BASIC LIMIT LOSS COSTS AT CURRENT ISO LEVEL. FOR DETAILS, SEE SECTION C, EXHIBIT C16 - CALCULATION OF AGGREGATE LOSS COSTS AT CURRENT LEVEL.				
(B)	INCLUDING ALL LOSS ADJUSTMENT EXPENSE AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 07/01/2022.				
(C)	THE INDICATED STATEWIDE MONOLINE CHANGE IS CALCULATED BASED ON THE INDICATED MULTISTATE MONOLINE CHANGE.				

MINNESOTA
MANUFACTURERS AND CONTRACTORS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1)	(2)	(3)	(4)	STATEWIDE COVERAGE INDICATION OF - 8.1%
TOP	BAILEY FORMULA RELATIV.	CREDIBILITY Z	Z-WTD RELATIV.	BALANCED RELATIV.	
10	1.007	0.204	1.001	0.995	
33	1.022	0.028	1.001	0.994	
34	0.890	0.077	0.991	0.985	
35	0.074	0.007	0.981	0.975	
36	0.796	0.125	0.972	0.966	
37	0.964	0.091	0.997	0.991	
38	1.102	0.252	1.025	1.018	
CLASS GROUP					(5) INDICATED MONOLINE CHANGE
30	1.215	0.098	1.019	1.016	- 7.1%
31	1.127	0.145	1.017	1.014	- 7.2%
32	1.074	0.252	1.018	1.015	- 7.2%
33	1.147	0.093	1.013	1.010	- 7.7%
34	0.956	0.113	0.995	0.992	- 9.3%
35	0.695	0.031	0.989	0.986	- 9.8%
36	0.586	0.072	0.962	0.959	- 12.3%
37	0.922	0.061	0.995	0.992	- 9.3%
38	0.790	0.102	0.976	0.973	- 11.0%
OVERALL MONOLINE CHANGE *					- 8.5%

* Monoline/multiline ALCCCL for the latest year was used to weight the monoline change by class group.

MINNESOTA
MANUFACTURERS AND CONTRACTORS
BASIC LIMIT RELATIVE CHANGE ANALYSIS
SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E. 09/30/2021 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2017 - 2021 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
10 MONOLINE	30 SERVICE	\$141,089	\$710,459	0.848	1.002	27	1.011
	31 LIGHT CONTRACTING	\$368,683	\$1,694,264	1.016	1.201	101	1.009
	32 MEDIUM CONTRCTING	\$1,922,035	\$10,504,249	0.921	1.089	420	1.010
	33 HEAVY CONTRACTING	\$410,733	\$2,105,080	1.234	1.459	54	1.005
	34 DEALER OR DISTRIB	\$106,044	\$1,105,044	0.525	0.621	28	0.987
	35 LGT. MANUFACTURER	\$146,326	\$760,189	0.466	0.551	9	0.981
	36 MED. MANUFACTURER	\$717,623	\$3,046,133	0.531	0.628	23	0.954
	37 HVY. MANUFACTURER	\$289,234	\$1,214,776	0.525	0.621	23	0.987
	38 MISC. OPERATION	\$322,448	\$1,670,924	0.647	0.765	64	0.968
	TOTAL *	\$4,424,215	\$22,811,118	0.822		749	
33 MULT OFFICE	31 LIGHT CONTRACTING	\$28,829	\$106,277	1.253	1.481	2	1.008
	32 MEDIUM CONTRCTING	\$27,610	\$138,608	0.000	0.000	0	1.009
	33 HEAVY CONTRACTING	\$55,462	\$267,222	0.780	0.922	3	1.004
	38 MISC. OPERATION	\$91,962	\$479,081	1.002	1.184	9	0.967
	TOTAL *	\$203,863	\$991,188	0.841		14	
34 MULT MERCANTILE	30 SERVICE	\$17,124	\$72,968	0.212	0.251	2	1.001
	32 MEDIUM CONTRCTING	\$82,097	\$412,131	0.880	1.040	13	1.000
	34 DEALER OR DISTRIB	\$720,508	\$3,663,565	0.628	0.742	83	0.977
	36 MED. MANUFACTURER	\$7	\$7	0.000	0.000	0	0.945
	38 MISC. OPERATION	\$38,187	\$169,944	2.494	2.948	10	0.958
	TOTAL *	\$857,921	\$4,318,614	0.727		108	
35 MULT INSTITUT.	31 LIGHT CONTRACTING	\$5,342	\$28,809	0.148	0.175	1	0.989
	32 MEDIUM CONTRCTING	\$6,132	\$29,055	0.000	0.000	0	0.990
	TOTAL *	\$11,474	\$57,864	0.069		1	
36 MULT SERVICES	30 SERVICE	\$33,603	\$172,700	0.686	0.811	18	0.981
	31 LIGHT CONTRACTING	\$107,214	\$551,234	0.981	1.160	34	0.980
	32 MEDIUM CONTRCTING	\$119,620	\$547,442	0.246	0.291	6	0.980
	33 HEAVY CONTRACTING	\$33,587	\$135,153	0.127	0.150	3	0.976
	34 DEALER OR DISTRIB	\$422,092	\$1,834,941	0.961	1.136	119	0.958
	36 MED. MANUFACTURER	\$13,282	\$73,848	0.982	1.161	5	0.926
	38 MISC. OPERATION	\$601,346	\$2,754,252	0.396	0.468	98	0.940
	TOTAL *	\$1,330,744	\$6,069,569	0.615		283	

MINNESOTA
MANUFACTURERS AND CONTRACTORS
BASIC LIMIT RELATIVE CHANGE ANALYSIS
SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E. 09/30/2021 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2017 - 2021 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
37 MULT INDUST/PROC.	31 LIGHT CONTRACTING	\$236	\$1,447	1.742	2.059	1	1.005
	32 MEDIUM CONTRCTING	\$176,440	\$1,022,238	0.754	0.891	23	1.006
	33 HEAVY CONTRACTING	\$40,562	\$246,711	1.064	1.258	7	1.001
	34 DEALER OR DISTRIB	\$46,879	\$136,695	0.000	0.000	0	0.983
	35 LGT. MANUFACTURER	\$162,949	\$759,963	0.680	0.804	8	0.977
	36 MED. MANUFACTURER	\$1,013,780	\$5,197,228	0.448	0.530	65	0.950
	37 HVY. MANUFACTURER	\$879,331	\$4,248,669	0.837	0.989	45	0.983
	38 MISC. OPERATION	\$17,178	\$85,605	0.033	0.039	1	0.964
	TOTAL *	\$2,337,355	\$11,698,556	0.632		150	
38 MULT CONTRACTORS	30 SERVICE	\$492,117	\$2,426,860	1.221	1.443	126	1.034
	31 LIGHT CONTRACTING	\$795,916	\$4,029,592	0.984	1.163	238	1.032
	32 MEDIUM CONTRCTING	\$3,013,226	\$14,405,163	1.031	1.219	680	1.033
	33 HEAVY CONTRACTING	\$1,146,357	\$5,204,816	1.002	1.184	90	1.028
	38 MISC. OPERATION	\$32,766	\$468,351	0.699	0.826	6	0.991
	TOTAL *	\$5,480,382	\$26,534,782	1.033		1,140	
TOTAL ALL	TOP 30 SERVICE	\$683,933	\$3,382,986	1.093		173	
	31 LIGHT CONTRACTING	\$1,306,219	\$6,411,623	0.995		377	
	32 MEDIUM CONTRCTING	\$5,347,161	\$27,058,887	0.956		1,142	
	33 HEAVY CONTRACTING	\$1,686,700	\$7,958,981	1.035		157	
	34 DEALER OR DISTRIB	\$1,295,523	\$6,740,245	0.705		230	
	35 LGT. MANUFACTURER	\$309,276	\$1,520,153	0.579		17	
	36 MED. MANUFACTURER	\$1,744,692	\$8,317,216	0.486		93	
	37 HVY. MANUFACTURER	\$1,168,565	\$5,463,445	0.760		68	
	38 MISC. OPERATION	\$1,103,886	\$5,628,156	0.596		188	
	TOTAL *	\$14,645,954	\$72,481,691	0.846		2,445	

* TOTALS IN COLUMN (3) ARE AVERAGES USING COLUMN (1) AS WEIGHTS.

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1)	(2)	(3)	(4)	STATEWIDE COVERAGE INDICATION OF + 1.6%
TOP	BAILEY FORMULA RELATIV.	CREDIBILITY Z	Z-WTD RELATIV.	BALANCED RELATIV.	
10	0.833	0.198	0.964	0.963	
31	1.063	0.101	1.006	1.005	
32	0.727	0.115	0.964	0.963	
33	0.982	0.171	0.997	0.996	
34	1.151	0.199	1.028	1.027	
35	1.182	0.211	1.036	1.035	
36	1.234	0.117	1.025	1.024	
					(5)
CLASS GROUP					INDICATED MONOLINE CHANGE
01	0.807	0.088	0.981	0.982	- 3.0%
02	1.008	0.138	1.001	1.002	- 2.5%
03	0.855	0.110	0.983	0.983	- 3.0%
04	0.783	0.040	0.990	0.991	- 2.6%
05	1.022	0.048	1.001	1.001	- 1.9%
06	0.915	0.053	0.995	0.996	- 1.4%
07	0.573	0.074	0.960	0.960	- 5.6%
08	1.001	0.058	1.000	1.001	- 1.3%
09	1.154	0.130	1.019	1.019	- 0.8%
10	0.725	0.210	0.935	0.935	- 8.1%
11	1.375	0.127	1.041	1.042	+ 0.9%
12	1.141	0.235	1.031	1.032	+ 0.8%
13	1.445	0.059	1.022	1.022	- 0.7%
16	0.000	0.000	1.000	1.000	- 0.3%
					OVERALL MONOLINE CHANGE *
					- 2.2%

* Monoline/multiline ALCCL for the latest year was used to weight the monoline change by class group.

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1)	(2)	(3)	(4)	(5)
	BAILEY				INDICATED
	FORMULA	CREDIBILITY	Z-WTD	BALANCED	MONOLINE
TERRITORY	RELATIV.	Z	RELATIV.	RELATIV.	CHANGE
501	0.886	0.257	0.969	0.969	- 4.4%
502	1.058	0.344	1.019	1.019	- 0.9%
503	1.330	0.079	1.023	1.022	+ 0.1%

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS
SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	ALL	(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E. 09/30/2021 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2017 - 2021 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$122,666	\$635,903	1.166		38	
	02 RESTAURANTS	\$201,809	\$1,233,584	0.337		52	
	03 STORES	\$151,165	\$1,219,640	0.445		39	
	04 VENDING & RENTAL	\$3,788	\$26,038	2.064		8	
	05 FOOD & BEV. DIST.	\$22,177	\$265,341	1.264		5	
	06 NON-FOOD&BEV.DIST	\$73,688	\$388,783	0.129		4	
	07 CLUBS,AMSMT&SPRTS	\$113,802	\$583,980	1.000		30	
	08 HEALTH CARE FACIL	\$7,877	\$43,734	0.000		0	
	09 HOTELS AND MOTELS	\$167,083	\$2,120,535	0.817		119	
	10 SCHLS & CHURCHES	\$464,161	\$1,479,822	0.576		56	
	11 APARTMENTS	\$626,273	\$3,801,054	1.200		124	
	12 BUILDINGS&OFFICES	\$706,917	\$4,632,056	1.014		224	
	13 MISC. PREMISES	\$15,684	\$126,585	0.965		10	
	16 GOVT SUBDIVISIONS	\$128	\$14,048	0.000		0	
	TOTAL *	\$2,677,214	\$16,571,099	0.868		709	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$467,024	\$3,052,889	1.266		182	
	TOTAL *	\$467,024	\$3,052,889	1.266		182	
32 MULT APARTMENT	11 APARTMENTS	\$971,011	\$4,679,166	0.936		168	
	12 BUILDINGS&OFFICES	207,915	1,191,017	1.082		71	
	TOTAL *	\$1,178,925	\$5,870,182	0.962		239	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$2,240,229	\$11,391,047	1.153		525	
	13 MISC. PREMISES	17,037	73,489	0.514		4	
	TOTAL *	\$2,257,266	\$11,464,537	1.148		529	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$471,106	\$2,099,317	0.852		102	
	02 RESTAURANTS	\$814,346	\$4,677,200	1.288		292	
	03 STORES	\$578,506	\$2,530,259	0.905		140	
	04 VENDING & RENTAL	\$37,815	\$185,869	0.191		2	
	05 FOOD & BEV. DIST.	\$112,132	\$514,343	1.121		36	
	06 NON-FOOD&BEV.DIST	\$342,447	\$1,775,457	1.255		46	
	12 BUILDINGS&OFFICES	\$286,523	\$2,014,868	1.425		97	
	TOTAL *	\$2,642,876	\$13,797,313	1.114		715	
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS	\$34,722	\$83,137	0.130		2	
	08 HEALTH CARE FACIL	\$160,128	\$708,552	1.328		61	
	10 SCHLS & CHURCHES	\$1,934,786	\$8,969,450	0.906		738	
	12 BUILDINGS&OFFICES	\$3,903	\$17,453	0.081		1	
	13 MISC. PREMISES	\$0	\$115	0.000		0	
	16 GOVT SUBDIVISIONS	\$682	\$17,282	0.000		0	
	TOTAL *	\$2,134,221	\$9,795,989	0.923		802	

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS
SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	ALL	(1) FISCAL A.Y.E. 09/30/2021 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2017 - 2021 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
36 MULT SERVICES	03 STORES	\$47,676	\$281,353	3.491		38	
	04 VENDING & RENTAL	\$25,272	\$181,378	1.887		19	
	07 CLUBS, AMSMT & SPRTS	\$396,606	\$1,911,987	0.638		67	
	08 HEALTH CARE FACIL	\$293	\$1,884	0.000		0	
	09 HOTELS AND MOTELS	\$6,982	\$65,581	3.915		4	
	10 SCHLS & CHURCHES	\$7,461	\$22,023	0.000		0	
	12 BUILDINGS & OFFICES	\$182,178	\$1,215,349	0.665		72	
	13 MISC. PREMISES	\$96,544	\$624,335	1.967		48	
	TOTAL *	\$763,013	\$4,303,889	1.056		248	
TOTAL ALL	TOP						
	01 FOOD & BEV. (RETAIL)	\$593,772	\$2,735,219	0.917		140	
	02 RESTAURANTS	\$1,016,155	\$5,910,784	1.099		344	
	03 STORES	\$777,348	\$4,031,252	0.974		217	
	04 VENDING & RENTAL	\$66,875	\$393,284	0.938		29	
	05 FOOD & BEV. DIST.	\$134,309	\$779,684	1.144		41	
	06 NON-FOOD & BEV. DIST	\$416,134	\$2,164,240	1.055		50	
	07 CLUBS, AMSMT & SPRTS	\$545,130	\$2,579,103	0.681		99	
	08 HEALTH CARE FACIL	\$168,298	\$754,169	1.264		61	
	09 HOTELS AND MOTELS	\$641,088	\$5,239,005	1.178		305	
	10 SCHLS & CHURCHES	\$2,406,408	\$10,471,295	0.839		794	
	11 APARTMENTS	\$1,597,283	\$8,480,219	1.039		292	
	12 BUILDINGS & OFFICES	\$3,627,665	\$20,461,790	1.118		990	
	13 MISC. PREMISES	\$129,264	\$824,524	1.654		62	
	16 GOVT SUBDIVISIONS	\$810	\$31,331	0.000		0	
	TOTAL *	\$12,120,538	\$64,855,898	1.020		3,424	

* TOTALS IN COLUMN (3) ARE AVERAGES USING COLUMN (1) AS WEIGHTS.

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS
SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	501	(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E. 09/30/2021	FISCAL A.Y.E. 2017				
		AGGREGATE LOSS COSTS AT CURRENT	- 2021 AGGREGATE LOSS COSTS AT	FIVE YEAR EXPERIENCE		NUMBER OF	BAL CELL
TYPE OF POLICY	CLASS GROUP	LEVEL	CURRENT LEVEL	RATIO	RELATIV.	OCCURRENCES	RELATIV.
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$378	\$76,699	3.131	3.070	10	0.916
	02 RESTAURANTS	\$170,129	\$922,034	0.287	0.281	29	0.935
	03 STORES	\$21,272	\$198,564	1.256	1.231	12	0.917
	04 VENDING & RENTAL	\$1,202	\$6,386	0.000	0.000	0	0.925
	05 FOOD & BEV. DIST.	\$5,903	\$194,643	0.016	0.016	1	0.934
	06 NON-FOOD&BEV.DIST	\$5,655	\$35,551	0.018	0.018	0	0.929
	07 CLUBS,AMSMT&SPRTS	\$34,006	\$153,128	1.307	1.281	8	0.896
	08 HEALTH CARE FACIL	\$3,569	\$13,479	0.000	0.000	0	0.934
	09 HOTELS AND MOTELS	\$139,599	\$1,546,548	0.864	0.847	84	0.951
	10 SCHLS & CHURCHES	\$242,535	\$609,826	0.352	0.345	19	0.872
	11 APARTMENTS	\$406,136	\$2,362,276	1.188	1.165	73	0.972
	12 BUILDINGS&OFFICES	\$344,670	\$2,165,093	0.899	0.882	114	0.963
	13 MISC. PREMISES	\$10,236	\$88,211	1.304	1.279	3	0.954
	TOTAL *	\$1,385,291	\$8,372,439	0.818		353	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$178,550	\$1,295,031	0.674	0.661	66	0.992
	TOTAL *	\$178,550	\$1,295,031	0.674		66	
32 MULT APARTMENT	11 APARTMENTS	\$523,602	\$2,664,060	1.011	0.991	91	0.972
	12 BUILDINGS&OFFICES	\$125,598	\$702,854	1.124	1.102	47	0.963
	TOTAL *	\$649,200	\$3,366,914	1.033		138	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$831,610	\$4,413,671	0.968	0.949	200	0.996
	13 MISC. PREMISES	\$7,008	\$38,611	0.000	0.000	0	0.986
	TOTAL *	\$838,618	\$4,452,282	0.960		200	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$108,497	\$415,534	0.416	0.408	18	0.977
	02 RESTAURANTS	\$329,543	\$2,085,727	0.859	0.842	109	0.997
	03 STORES	\$153,376	\$580,425	0.910	0.892	41	0.978
	04 VENDING & RENTAL	\$7,823	\$43,596	0.820	0.804	1	0.986
	05 FOOD & BEV. DIST.	\$41,706	\$224,789	0.572	0.561	13	0.996
	06 NON-FOOD&BEV.DIST	\$54,894	\$356,952	6.635	6.505	25	0.991
	12 BUILDINGS&OFFICES	\$71,907	\$532,861	1.281	1.256	41	1.027
	TOTAL *	\$767,747	\$4,239,883	1.243		248	
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS	\$131	\$1,420	0.000	0.000	0	0.963
	08 HEALTH CARE FACIL	\$34,921	\$137,006	1.763	1.728	9	1.004
	10 SCHLS & CHURCHES	\$474,286	\$2,187,076	0.652	0.639	88	0.938
	12 BUILDINGS&OFFICES	\$1,378	\$5,186	0.000	0.000	0	1.035
	TOTAL *	\$510,717	\$2,330,688	0.726		97	

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	501		(1) FISCAL A.Y.E. 09/30/2021 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2017 - 2021 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP							
36 MULT SERVICES	03 STORES		\$3,338	\$30,335	2.377	2.330	6	0.975
	04 VENDING & RENTAL		\$10,456	\$64,410	1.770	1.735	5	0.983
	07 CLUBS, AMSMT & SPRTS		\$124,237	\$525,773	0.929	0.911	20	0.952
	08 HEALTH CARE FACIL		\$154	\$1,223	0.000	0.000	0	0.993
	09 HOTELS AND MOTELS		\$124	\$29,962	0.000	0.000	0	1.011
	10 SCHLS & CHURCHES		\$527	\$5,379	0.000	0.000	0	0.928
	12 BUILDINGS & OFFICES		\$123,159	\$836,256	0.352	0.345	42	1.024
	13 MISC. PREMISES		\$50,740	\$313,530	0.498	0.488	13	1.014
	TOTAL *		\$312,734	\$1,806,867	0.673		86	
TOTAL ALL	TOP	01 FOOD & BEV. (RETAIL)	\$108,875	\$492,233	0.425		28	
		02 RESTAURANTS	\$499,672	\$3,007,761	0.664		138	
		03 STORES	\$177,986	\$809,324	0.979		59	
		04 VENDING & RENTAL	\$19,481	\$114,392	1.279		6	
		05 FOOD & BEV. DIST.	\$47,609	\$419,432	0.503		14	
		06 NON-FOOD & BEV. DIST	\$60,549	\$392,502	6.017		25	
		07 CLUBS, AMSMT & SPRTS	\$158,375	\$680,321	1.009		28	
		08 HEALTH CARE FACIL	\$38,643	\$151,708	1.593		9	
		09 HOTELS AND MOTELS	\$318,274	\$2,871,541	0.757		150	
		10 SCHLS & CHURCHES	\$717,348	\$2,802,280	0.550		107	
		11 APARTMENTS	\$929,738	\$5,026,336	1.088		164	
		12 BUILDINGS & OFFICES	\$1,498,323	\$8,655,921	0.929		444	
		13 MISC. PREMISES	\$67,985	\$440,352	0.568		16	
		TOTAL *	\$4,642,857	\$25,864,105	0.919		1,188	

* TOTALS IN COLUMN (3) ARE AVERAGES USING COLUMN (1) AS WEIGHTS.

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS
SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	502	(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E. 09/30/2021	FISCAL A.Y.E. 2017				
TYPE OF POLICY	CLASS GROUP	AGGREGATE LOSS COSTS AT CURRENT LEVEL	- 2021 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$122,287	\$544,726	1.160	1.137	28	0.964
	02 RESTAURANTS	\$28,162	\$271,852	0.662	0.649	22	0.983
	03 STORES	\$123,974	\$978,156	0.296	0.290	24	0.965
	04 VENDING & RENTAL	\$2,447	\$18,665	3.194	3.131	8	0.972
	05 FOOD & BEV. DIST.	\$16,255	\$70,638	1.719	1.685	4	0.982
	06 NON-FOOD&BEV.DIST	\$67,848	\$349,115	0.138	0.136	4	0.977
	07 CLUBS,AMSMT&SPRTS	\$73,579	\$394,341	0.854	0.837	19	0.942
	08 HEALTH CARE FACIL	\$2,869	\$10,805	0.000	0.000	0	0.982
	09 HOTELS AND MOTELS	\$14,275	\$396,858	0.452	0.443	22	1.000
	10 SCHLS & CHURCHES	\$205,607	\$816,156	0.875	0.857	36	0.917
	11 APARTMENTS	\$210,916	\$1,390,643	1.042	1.022	47	1.022
	12 BUILDINGS&OFFICES	\$348,321	\$2,365,599	1.167	1.144	108	1.013
	13 MISC. PREMISES	\$2,896	\$26,884	0.614	0.602	7	1.003
	16 GOVT SUBDIVISIONS	\$128	\$14,048	0.000	0.000	0	0.981
	TOTAL *	\$1,219,565	\$7,648,487	0.918		329	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$253,790	\$1,585,008	1.584	1.553	105	1.043
	TOTAL *	\$253,790	\$1,585,008	1.584		105	
32 MULT APARTMENT	11 APARTMENTS	\$413,028	\$1,835,566	0.916	0.898	75	1.022
	12 BUILDINGS&OFFICES	\$79,545	\$470,805	1.046	1.026	23	1.013
	TOTAL *	\$492,573	\$2,306,371	0.937		98	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$1,333,511	\$6,623,251	1.267	1.242	308	1.047
	13 MISC. PREMISES	\$9,894	\$34,590	0.886	0.868	4	1.037
	TOTAL *	\$1,343,405	\$6,657,841	1.264		312	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$357,848	\$1,645,733	0.986	0.967	83	1.028
	02 RESTAURANTS	\$463,383	\$2,440,358	1.534	1.504	167	1.049
	03 STORES	\$422,223	\$1,919,612	0.909	0.891	99	1.029
	04 VENDING & RENTAL	\$29,993	\$141,659	0.027	0.027	1	1.037
	05 FOOD & BEV. DIST.	\$68,564	\$276,244	1.376	1.349	18	1.047
	06 NON-FOOD&BEV.DIST	\$285,479	\$1,411,277	0.229	0.225	21	1.042
	12 BUILDINGS&OFFICES	\$203,805	\$1,428,631	1.142	1.119	55	1.080
	TOTAL *	\$1,831,295	\$9,263,514	1.005		444	
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS	\$33,653	\$77,045	0.134	0.131	2	1.012
	08 HEALTH CARE FACIL	\$100,300	\$423,123	1.438	1.410	49	1.056
	10 SCHLS & CHURCHES	\$1,397,738	\$6,480,885	0.956	0.937	633	0.986
	12 BUILDINGS&OFFICES	\$2,525	\$12,267	0.126	0.123	1	1.088
	13 MISC. PREMISES	\$0	\$115	0.000	0.000	0	1.078
	16 GOVT SUBDIVISIONS	\$682	\$17,282	0.000	0.000	0	1.055
	TOTAL *	\$1,534,898	\$7,010,718	0.967		685	

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS
SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	502		(1)	(2)	(3)	(4)	(5)	(6)
			FISCAL A.Y.E. 09/30/2021 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2017 - 2021 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP							
36 MULT SERVICES	03 STORES		\$42,991	\$243,432	3.687	3.615	32	1.026
	04 VENDING & RENTAL		\$14,461	\$112,893	2.019	1.979	14	1.034
	07 CLUBS, AMSMT&SPRTS		\$263,365	\$1,328,954	0.515	0.505	43	1.002
	08 HEALTH CARE FACIL		\$139	\$661	0.000	0.000	0	1.044
	09 HOTELS AND MOTELS		\$6,858	\$35,619	3.985	3.907	4	1.063
	10 SCHLS & CHURCHES		\$6,931	\$16,641	0.000	0.000	0	0.976
	12 BUILDINGS&OFFICES		\$52,252	\$336,387	1.197	1.173	24	1.077
	13 MISC. PREMISES		\$44,972	\$302,873	3.661	3.589	34	1.066
	TOTAL *		\$431,969	\$2,377,460	1.338		151	
TOTAL ALL	TOP	01 FOOD&BEV. (RETAIL)	\$480,135	\$2,190,459	1.030		111	
		02 RESTAURANTS	\$491,545	\$2,712,210	1.484		189	
		03 STORES	\$589,188	\$3,141,200	0.983		155	
		04 VENDING & RENTAL	\$46,901	\$273,217	0.806		23	
		05 FOOD & BEV. DIST.	\$84,819	\$346,882	1.442		22	
		06 NON-FOOD&BEV.DIST	\$353,327	\$1,760,391	0.212		25	
		07 CLUBS, AMSMT&SPRTS	\$370,598	\$1,800,340	0.548		64	
		08 HEALTH CARE FACIL	\$103,308	\$434,589	1.396		49	
		09 HOTELS AND MOTELS	\$274,924	\$2,017,486	1.585		131	
		10 SCHLS & CHURCHES	\$1,610,276	\$7,313,682	0.941		669	
		11 APARTMENTS	\$623,943	\$3,226,208	0.959		122	
		12 BUILDINGS&OFFICES	\$2,019,958	\$11,236,940	1.225		519	
		13 MISC. PREMISES	\$57,762	\$364,463	3.033		45	
		16 GOVT SUBDIVISIONS	\$810	\$31,331	0.000		0	
		TOTAL *	\$7,107,494	\$36,849,399	1.067		2,124	

* TOTALS IN COLUMN (3) ARE AVERAGES USING COLUMN (1) AS WEIGHTS.

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS
SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	503	(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E. 09/30/2021 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2017 - 2021 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$0	\$14,477	0.000	0.000	0	0.967
	02 RESTAURANTS	\$3,518	\$39,698	0.194	0.190	1	0.986
	03 STORES	\$5,919	\$42,920	0.652	0.639	3	0.968
	04 VENDING & RENTAL	\$138	\$986	0.000	0.000	0	0.976
	05 FOOD & BEV. DIST.	\$19	\$60	0.000	0.000	0	0.985
	06 NON-FOOD&BEV.DIST	\$185	\$4,117	0.000	0.000	0	0.981
	07 CLUBS,AMSMT&SPRTS	\$6,216	\$36,510	1.050	1.029	3	0.945
	08 HEALTH CARE FACIL	\$1,439	\$19,450	0.000	0.000	0	0.985
	09 HOTELS AND MOTELS	\$13,208	\$177,128	0.720	0.706	13	1.003
	10 SCHLS & CHURCHES	\$16,018	\$53,839	0.143	0.140	1	0.920
	11 APARTMENTS	\$9,221	\$48,135	5.333	5.229	4	1.026
	12 BUILDINGS&OFFICES	\$13,926	\$101,364	0.036	0.035	2	1.016
	13 MISC. PREMISES	\$2,552	\$11,490	0.000	0.000	0	1.006
	TOTAL *	\$72,359	\$550,174	1.003		27	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$34,683	\$172,849	1.992	1.953	11	1.047
	TOTAL *	\$34,683	\$172,849	1.992		11	
32 MULT APARTMENT	11 APARTMENTS	\$34,381	\$179,540	0.017	0.017	2	1.026
	12 BUILDINGS&OFFICES	\$2,771	\$17,357	0.249	0.244	1	1.016
	TOTAL *	\$37,152	\$196,897	0.035		3	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$75,108	\$354,126	1.183	1.160	17	1.051
	13 MISC. PREMISES	\$134	\$288	0.000	0.000	0	1.041
	TOTAL *	\$75,243	\$354,413	1.181		17	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$4,761	\$38,050	0.709	0.695	1	1.031
	02 RESTAURANTS	\$21,420	\$151,114	2.577	2.526	16	1.052
	03 STORES	\$2,907	\$30,222	0.000	0.000	0	1.032
	04 VENDING & RENTAL	\$0	\$614	0.000	0.000	0	1.040
	05 FOOD & BEV. DIST.	\$1,862	\$13,310	4.012	3.934	5	1.051
	06 NON-FOOD&BEV.DIST	\$2,073	\$7,229	0.000	0.000	0	1.046
	12 BUILDINGS&OFFICES	\$10,811	\$53,376	7.737	7.585	1	1.083
	TOTAL *	\$43,834	\$293,916	3.415		23	
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS	\$937	\$4,671	0.000	0.000	0	1.016
	08 HEALTH CARE FACIL	\$24,907	\$148,422	0.279	0.273	3	1.059
	10 SCHLS & CHURCHES	\$62,762	\$301,490	1.711	1.678	17	0.989
	TOTAL *	\$88,607	\$454,583	1.291		20	

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS
SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	503		(1) FISCAL A.Y.E. 09/30/2021 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2017 - 2021 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP							
36 MULT SERVICES	03 STORES		\$1,348	\$7,587	0.000	0.000	0	1.029
	04 VENDING & RENTAL		\$355	\$4,075	0.000	0.000	0	1.037
	07 CLUBS, AMSMT&SPRTS		\$9,004	\$57,260	0.233	0.229	4	1.005
	10 SCHLS & CHURCHES		\$3	\$3	0.000	0.000	0	0.979
	12 BUILDINGS&OFFICES		\$6,768	\$42,706	2.246	2.202	6	1.080
	13 MISC. PREMISES		\$832	\$7,931	0.047	0.046	1	1.070
	TOTAL *		\$18,310	\$119,563	0.947		11	
TOTAL ALL	TOP	01 FOOD&BEV. (RETAIL)	\$4,761	\$52,527	0.709		1	
		02 RESTAURANTS	\$24,938	\$190,812	2.241		17	
		03 STORES	\$10,174	\$80,729	0.379		3	
		04 VENDING & RENTAL	\$493	\$5,676	0.000		0	
		05 FOOD & BEV. DIST.	\$1,881	\$13,370	3.972		5	
		06 NON-FOOD&BEV.DIST	\$2,258	\$11,346	0.000		0	
		07 CLUBS, AMSMT&SPRTS	\$16,157	\$98,441	0.534		7	
		08 HEALTH CARE FACIL	\$26,347	\$167,873	0.264		3	
		09 HOTELS AND MOTELS	\$47,891	\$349,977	1.641		24	
		10 SCHLS & CHURCHES	\$78,784	\$355,332	1.393		18	
		11 APARTMENTS	\$43,603	\$227,676	1.142		6	
		12 BUILDINGS&OFFICES	\$109,384	\$568,928	1.727		27	
		13 MISC. PREMISES	\$3,518	\$19,709	0.011		1	
		TOTAL *	\$370,187	\$2,142,395	1.386		112	

* TOTALS IN COLUMN (3) ARE AVERAGES USING COLUMN (1) AS WEIGHTS.

MINNESOTA
PRODUCTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1)	(2)	(3)	(4)	MULTISTATE COVERAGE INDICATION OF - 11.4%		
TOP	BAILEY FORMULA RELATIV.	CREDIBILITY	Z Z-WTD RELATIV.	BALANCED RELATIV.			
10	0.976	0.341	0.992	0.992			
34	1.049	0.364	1.018	1.018			
36	0.983	0.179	0.997	0.997			
37	0.984	0.460	0.993	0.993			
					(5)	(6)	(7)
					INDICATED	INDICATED	SELECTED
					MULTISTATE	STATEWIDE	STATEWIDE
CLASS					MONOLINE	MONOLINE	MONOLINE
GROUP					CHANGE	CHANGE #	CHANGE
3	1.012	0.447	1.005	1.005	- 11.7%	- 8.0%	- 8.0%
4	0.996	0.398	0.998	0.998	- 12.3%	- 15.4%	- 15.4%
5	1.144	0.114	1.015	1.015	- 10.8%	- 11.0%	- 11.0%
6	0.999	0.309	1.000	1.000	- 12.1%	- 14.5%	- 14.5%
7	0.900	0.162	0.983	0.983	- 13.6%	- 9.6%	- 9.6%
OVERALL MONOLINE CHANGE *					- 12.1%	- 12.3%	- 12.3%

The indicated statewide Products change is calculated by determining the effect, on statewide loss cost levels, of implementing the indicated multistate loss costs. The difference between the indicated multistate change and the indicated statewide change is a result of a difference in the distribution of risks by class in this jurisdiction versus the multistate.

* Monoline/Multiline ALCCCL for the latest year was used to weight the monoline change by class group.

MULTISTATE
PRODUCTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS
SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1)	(2)	(3)	(4)	(5)	(6)
		CALENDAR A.Y.E. 12/31/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	CALENDAR A.Y.E. 2016 - 2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
10 MONOLINE	3 MAN, DLR, DSTFD/DRG	\$12,556,725	\$66,423,053	0.922	1.008	1,255	0.997
	4 DLR, DST-NOTFD/DRG	\$7,688,324	\$38,643,266	0.891	0.974	458	0.990
	5 MAN. NTFD/DRG (LOW)	\$1,127,449	\$6,900,210	0.923	1.009	67	1.007
	6 MAN. NTFD/DRG (MED)	\$7,775,004	\$42,982,130	0.928	1.014	498	0.992
	7 MAN. NTFD/DRG (HGH)	\$1,872,316	\$11,242,070	0.580	0.634	54	0.975
	TOTAL *	\$31,019,817	\$166,190,729	0.895		2,332	
34 MULT MERCANTILE	3 MAN, DLR, DSTFD/DRG	\$4,602,309	\$24,393,166	0.984	1.075	577	1.023
	4 DLR, DST-NOTFD/DRG	\$27,525,286	\$138,473,870	0.954	1.043	2,074	1.016
	6 MAN. NTFD/DRG (MED)	\$8,390	\$43,116	0.000	0.000	0	1.018
	TOTAL *	\$32,135,984	\$162,910,151	0.958		2,651	
36 MULT SERVICES	4 DLR, DST-NOTFD/DRG	\$3,388,883	\$16,226,505	0.905	0.989	638	0.996
	6 MAN. NTFD/DRG (MED)	\$35,315	\$213,283	0.026	0.028	1	0.997
	TOTAL *	\$3,424,198	\$16,439,788	0.896		639	
37 MULT INDUST/PROC.	3 MAN, DLR, DSTFD/DRG	\$12,812,671	\$63,522,223	0.889	0.972	2,156	0.998
	5 MAN. NTFD/DRG (LOW)	\$3,367,820	\$18,163,931	1.063	1.162	194	1.008
	6 MAN. NTFD/DRG (MED)	\$26,001,249	\$134,342,520	0.891	0.974	1,408	0.993
	7 MAN. NTFD/DRG (HGH)	\$6,453,067	\$33,236,939	0.875	0.956	471	0.976
	TOTAL *	\$48,634,808	\$249,265,613	0.900		4,229	
TOTAL ALL	TOP						
	3 MAN, DLR, DSTFD/DRG	\$29,971,705	\$154,338,442	0.917		3,988	
	4 DLR, DST-NOTFD/DRG	\$38,602,493	\$193,343,640	0.937		3,170	
	5 MAN. NTFD/DRG (LOW)	\$4,495,269	\$25,064,141	1.028		261	
	6 MAN. NTFD/DRG (MED)	\$33,819,957	\$177,581,049	0.898		1,907	
	7 MAN. NTFD/DRG (HGH)	\$8,325,383	\$44,479,009	0.809		525	
	TOTAL *	\$115,214,806	\$594,806,281	0.915		9,851	

* TOTALS IN COLUMN (3) ARE AVERAGES USING COLUMN (1) AS WEIGHTS.

MINNESOTA
LOCAL PRODUCTS/COMPLETED OPERATIONS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1)	(2)	(3)	(4)	MULTISTATE COVERAGE INDICATION OF - 11.8%		
TOP	BAILEY FORMULA RELATIV.	CREDIBILITY	Z Z-WTD RELATIV.	BALANCED RELATIV.			
10	1.034	0.789	1.027	1.027			
34	0.997	0.501	0.998	0.998			
36	0.991	0.561	0.995	0.995			
37	0.970	0.144	0.996	0.996			
38	0.982	0.980	0.982	0.982			
					(5)	(6)	(7)
					INDICATED	INDICATED	SELECTED
					MULTISTATE	STATEWIDE	STATEWIDE
CLASS					MONOLINE	MONOLINE	MONOLINE
GROUP					CHANGE	CHANGE #	CHANGE
1	1.042	0.497	1.021	1.020	- 6.2%	- 15.3%	- 13.7%
2	0.980	0.546	0.989	0.989	- 9.5%	- 18.3%	- 18.4%
11	1.163	0.374	1.058	1.058	- 4.2%	- 13.8%	- 14.3%
12	0.999	1.000	0.999	0.999	- 9.5%	- 18.5%	- 18.5%
13	0.869	0.263	0.964	0.963	- 12.8%	- 21.5%	- 21.5%
OVERALL MONOLINE CHANGE *					- 9.4%	- 18.3%	- 18.3%

The indicated statewide monoline change is calculated based on the indicated multistate monoline change.

* Monoline/Multiline ALCCL for the latest year was used to weight the monoline change by class group.

MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS
BASIC LIMIT RELATIVE CHANGE ANALYSIS *

STATE	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	(5) INDICATED MONOLINE CHANGE**	(6) SELECTED MONOLINE CHANGE
	1.599	0.241	1.120	1.117		
	1.254	0.495	1.118	1.116		
	1.154	0.724	1.109	1.106		
	1.204	0.475	1.092	1.089		
	1.175	0.424	1.071	1.068		
	1.203	0.300	1.057	1.054		
	1.161	0.323	1.049	1.047		
	1.168	0.264	1.042	1.039		
	1.186	0.226	1.039	1.037		
	1.099	0.352	1.034	1.031		
	1.172	0.208	1.034	1.031		
	1.125	0.230	1.027	1.025		
	1.284	0.104	1.026	1.024		
	1.257	0.110	1.026	1.023		
	1.132	0.176	1.022	1.019		
	1.036	0.204	1.007	1.005		
	1.048	0.136	1.006	1.004		
	1.001	0.138	1.000	0.998		
	0.997	0.253	0.999	0.997		
	0.995	0.573	0.997	0.995		
	0.993	0.475	0.997	0.994		
	0.995	0.640	0.997	0.994		
	0.988	0.361	0.996	0.993		
	0.987	0.416	0.995	0.992		
	0.975	0.218	0.995	0.992		
	0.979	0.333	0.993	0.991		
	0.976	0.327	0.992	0.989		
	0.945	0.165	0.991	0.988		
	0.656	0.027	0.989	0.986		
	0.963	0.446	0.983	0.981		
	0.944	0.347	0.980	0.978		
	0.924	0.268	0.979	0.976		
	0.911	0.255	0.976	0.974		
	0.831	0.161	0.971	0.968		
	0.914	0.381	0.967	0.964		
	0.763	0.153	0.959	0.957		
	0.876	0.320	0.958	0.956		
	0.769	0.168	0.957	0.954		
	0.889	0.382	0.956	0.954		
	0.831	0.250	0.955	0.952		
	0.810	0.246	0.949	0.947		
	0.900	0.499	0.949	0.947		
	0.900	0.507	0.948	0.946		
	0.724	0.166	0.948	0.946		
	0.804	0.245	0.948	0.945		
	0.852	0.366	0.943	0.941		
	0.856	0.388	0.941	0.939		
	0.738	0.202	0.941	0.938		
	0.123	0.038	0.923	0.921		
	0.830	0.433	0.923	0.920		
MINNESOTA	0.731	0.321	0.904	0.902	- 18.3%	- 18.3%
	0.736	0.371	0.892	0.890		

* Sorted by balanced relative change.

** The indicated monoline change is based on the selected multistate monoline change.

MINNESOTA
LOCAL PRODUCTS/COMPLETED OPERATIONS
BASIC LIMIT RELATIVE CHANGE ANALYSIS
SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1)	(2)	(3)	(4)	(5)	(6)
		CALENDAR A.Y.E. 12/31/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	CALENDAR A.Y.E. 2016 - 2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
10 MONOLINE	1 RET.STRS-FOOD/DRG	\$16,699	\$124,249	2.687	2.964	9	0.945
	2 RET.STRS-NTFD/DRG	\$43,604	\$213,303	0.224	0.247	7	0.916
	11 COMP. OPS. (LOW)	\$130,588	\$652,622	1.270	1.401	17	0.979
	12 COMP. OPS. (MED)	\$1,623,542	\$7,385,328	0.768	0.847	97	0.925
	13 COMP. OPS. (HGH)	\$124,676	\$763,527	0.090	0.100	2	0.892
	TOTAL *	\$1,939,109	\$9,139,029	0.762		132	
34 MULT MERCANTILE	1 RET.STRS-FOOD/DRG	\$104,837	\$652,402	0.398	0.439	35	0.919
	2 RET.STRS-NTFD/DRG	\$173,965	\$886,223	1.087	1.199	20	0.891
	12 COMP. OPS. (MED)	\$41,487	\$180,157	0.883	0.974	3	0.900
	TOTAL *	\$320,290	\$1,718,782	0.835		58	
36 MULT SERVICES	1 RET.STRS-FOOD/DRG	\$32,765	\$172,141	0.240	0.265	4	0.916
	2 RET.STRS-NTFD/DRG	\$182,068	\$811,692	1.275	1.406	55	0.887
	11 COMP. OPS. (LOW)	\$148,161	\$729,917	0.318	0.351	23	0.949
	12 COMP. OPS. (MED)	\$80,335	\$528,140	0.577	0.636	8	0.896
	13 COMP. OPS. (HGH)	\$83,582	\$331,241	0.449	0.495	6	0.864
	TOTAL *	\$526,910	\$2,573,132	0.704		96	
37 MULT INDUST/PROC.	1 RET.STRS-FOOD/DRG	\$1,371	\$7,469	0.000	0.000	0	0.917
	11 COMP. OPS. (LOW)	\$1,608	\$10,884	0.000	0.000	0	0.950
	12 COMP. OPS. (MED)	\$193,119	\$884,616	0.593	0.654	6	0.897
	TOTAL *	\$196,098	\$902,968	0.584		6	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$378,452	\$1,840,885	0.985	1.086	15	0.937
	12 COMP. OPS. (MED)	\$4,657,803	\$22,644,662	0.513	0.566	235	0.885
	13 COMP. OPS. (HGH)	\$397,532	\$1,662,689	1.426	1.573	23	0.854
	TOTAL *	\$5,433,787	\$26,148,235	0.613		273	
TOTAL ALL	TOP						
	1 RET.STRS-FOOD/DRG	\$155,673	\$956,260	0.607		48	
	2 RET.STRS-NTFD/DRG	\$399,638	\$1,911,218	1.078		82	
	11 COMP. OPS. (LOW)	\$658,808	\$3,234,307	0.889		55	
	12 COMP. OPS. (MED)	\$6,596,287	\$31,622,904	0.581		349	
	13 COMP. OPS. (HGH)	\$605,790	\$2,757,457	1.016		31	
	TOTAL *	\$8,416,195	\$40,482,147	0.661		565	

* TOTALS IN COLUMN (3) ARE AVERAGES USING COLUMN (1) AS WEIGHTS.

MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS
BASIC LIMIT RELATIVE CHANGE ANALYSIS
SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1)	(2)	(3)	(4)	(5)	(6)
		CALENDAR A.Y.E. 12/31/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	CALENDAR A.Y.E. 2016 - 2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
10 MONOLINE	1 RET.STRS-FOOD/DRG	\$1,898,228	\$12,481,861	0.981		647	
	2 RET.STRS-NTFD/DRG	\$3,344,292	\$16,762,719	0.884		518	
	11 COMP. OPS. (LOW)	\$5,883,755	\$29,371,565	1.472		782	
	12 COMP. OPS. (MED)	\$117,645,252	\$559,862,876	0.951		7,137	
	13 COMP. OPS. (HGH)	\$8,419,898	\$42,615,111	0.717		261	
	TOTAL *	\$137,191,424	\$661,094,131	0.958		9,345	
34 MULT MERCANTILE	1 RET.STRS-FOOD/DRG	\$7,711,429	\$41,812,920	0.971		2,895	
	2 RET.STRS-NTFD/DRG	\$7,159,271	\$35,958,932	0.879		729	
	12 COMP. OPS. (MED)	\$3,167,854	\$14,726,763	0.870		141	
	TOTAL *	\$18,038,554	\$92,498,614	0.917		3,765	
36 MULT SERVICES	1 RET.STRS-FOOD/DRG	\$815,190	\$5,012,958	0.886		168	
	2 RET.STRS-NTFD/DRG	\$14,456,728	\$69,260,773	0.915		3,225	
	11 COMP. OPS. (LOW)	\$3,323,931	\$17,991,553	0.956		484	
	12 COMP. OPS. (MED)	\$5,401,002	\$29,280,421	0.940		785	
	13 COMP. OPS. (HGH)	\$1,442,694	\$6,937,781	0.631		66	
	TOTAL *	\$25,439,546	\$128,483,487	0.908		4,728	
37 MULT INDUST/PROC.	1 RET.STRS-FOOD/DRG	\$25,588	\$130,507	0.000		0	
	11 COMP. OPS. (LOW)	\$116,380	\$619,909	0.342		14	
	12 COMP. OPS. (MED)	\$4,994,518	\$25,541,972	0.889		298	
	13 COMP. OPS. (HGH)	\$25,163	\$201,042	0.000		0	
	TOTAL *	\$5,161,649	\$26,493,430	0.868		312	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$11,355,450	\$60,042,643	0.874		813	
	12 COMP. OPS. (MED)	\$196,365,762	\$1,018,936,241	0.879		12,895	
	13 COMP. OPS. (HGH)	\$16,352,108	\$81,080,004	0.833		712	
	TOTAL *	\$224,073,319	\$1,160,058,888	0.875		14,420	
TOTAL ALL	TOP						
	1 RET.STRS-FOOD/DRG	\$10,450,435	\$59,438,246	0.964		3,710	
	2 RET.STRS-NTFD/DRG	\$24,960,291	\$121,982,424	0.900		4,472	
	11 COMP. OPS. (LOW)	\$20,679,516	\$108,025,671	1.054		2,093	
	12 COMP. OPS. (MED)	\$327,574,388	\$1,648,348,273	0.906		21,256	
	13 COMP. OPS. (HGH)	\$26,239,862	\$130,833,937	0.784		1,039	
	TOTAL *	\$409,904,492	\$2,068,628,550	0.907		32,570	

* TOTALS IN COLUMN (3) ARE AVERAGES USING COLUMN (1) AS WEIGHTS.

MINNESOTA
MANUFACTURERS AND CONTRACTORS
CALCULATION OF AGGREGATE LOSS COSTS
AT CURRENT LEVEL
COMBINED SINGLE LIMIT

		\$100,000							TRENDED \$100,000
	ACCIDENT	BASIC LIMIT		EXPOSURE					BASIC LIMIT
TYPE OF	YEAR	AGGREGATE LOSS COSTS		DEVELOPMENT		EXPOSURE		AVERAGE	AGGREGATE LOSS COSTS
POLICY	ENDING	AT CURRENT LEVEL	X	FACTOR +	X	TREND #	X	IPMF *	= AT CURRENT LEVEL
MONOLINE	09/30/2018	\$3,898,958		1.000		1.208			\$4,709,941
	09/30/2019	\$4,162,618		1.000		1.176			\$4,895,239
	09/30/2020	\$4,106,364		1.000		1.158			\$4,755,170
	09/30/2021	\$3,842,742		1.020		1.131			\$4,433,064
MULTILINE	09/30/2018	\$7,992,975		1.000		1.208		1.087	\$10,495,543
	09/30/2019	\$8,010,758		1.000		1.178		1.087	\$10,257,664
	09/30/2020	\$8,174,960		1.000		1.162		1.087	\$10,325,743
	09/30/2021	\$8,138,922		1.020		1.135		1.087	\$10,242,182
TOTAL	09/30/2018								\$15,205,484
	09/30/2019								\$15,152,903
	09/30/2020								\$15,080,913
	09/30/2021								\$14,675,246

+ THE DERIVATION OF THE EXPOSURE DEVELOPMENT FACTOR IS SHOWN IN SECTION C, EXHIBIT C3 - CALCULATION OF STATE EXPOSURE DEVELOPMENT FACTORS.

AGGREGATE LOSS COSTS AT CURRENT LEVEL HAVE BEEN TRENDED FROM AN AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 05/01/2023 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION C, EXHIBIT C7 - AVERAGE ANNUAL EXPOSURE TRENDS.

* THE IMPLICIT PACKAGE MODIFICATION FACTORS APPLIED TO THE DATA FOR INDIVIDUAL PROGRAMS ARE SHOWN IN SECTION C, EXHIBIT C2 - IMPLICIT PACKAGE MODIFICATION FACTORS BY TYPE OF POLICY.

MINNESOTA
MANUFACTURERS AND CONTRACTORS
OCCURRENCE
FULL COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE *	X	\$100,000	X	UNALLOCATED		SEVERITY	FREQUENCY	=	\$100,000
					BASIC LIMIT		LOSS	BASIC LIMIT				
					INDEMNITY DEVELOPMENT FACTOR #		ADJUSTMENT FACTOR	DEVELOPED & TRENDED LOSSES AND ALAE				
BI	B/L INDEMNITY	09/30/2018	\$2,127,602		0.983		1.080		1.385	0.970		\$3,034,514
		09/30/2019	\$1,910,111		1.053		1.080		1.313	0.975		\$2,780,866
		09/30/2020	\$1,514,228		1.285		1.080		1.244	0.980		\$2,561,914
		09/30/2021	\$879,658		1.342		1.080		1.179	0.985		\$1,480,608
BI	ALAE	09/30/2018	\$771,738				1.080		1.385	0.970		\$1,119,734
		09/30/2019	\$1,249,234				1.080		1.313	0.975		\$1,727,177
		09/30/2020	\$985,568				1.080		1.244	0.980		\$1,297,647
		09/30/2021	\$573,535				1.080		1.179	0.985		\$719,340
PD	B/L INDEMNITY	09/30/2018	\$4,924,359		1.018		1.080		1.307	0.970		\$6,863,862
		09/30/2019	\$4,189,341		1.023		1.080		1.251	0.975		\$5,645,560
		09/30/2020	\$3,740,972		1.048		1.080		1.197	0.980		\$4,966,949
		09/30/2021	\$2,439,941		1.187		1.080		1.145	0.985		\$3,527,731
PD	ALAE	09/30/2018	\$1,774,070				1.080		1.307	0.970		\$2,429,081
		09/30/2019	\$1,363,403				1.080		1.251	0.975		\$1,796,015
		09/30/2020	\$1,123,910				1.080		1.197	0.980		\$1,423,887
		09/30/2021	\$654,268				1.080		1.145	0.985		\$796,932
MED PAY #	B/L INDEMNITY	09/30/2018	\$102,105				1.080		1.385	0.970		\$148,147
		09/30/2019	\$109,007				1.080		1.313	0.975		\$150,712
		09/30/2020	\$72,285				1.080		1.244	0.980		\$95,174
		09/30/2021	\$54,108				1.080		1.179	0.985		\$67,863
FRINGE	B/L INDEMNITY	09/30/2018	\$96,064		1.054		1.080		1.000	0.970		\$106,071
		09/30/2019	\$122,563		1.106		1.080		1.000	0.975		\$142,739
		09/30/2020	\$126,242		1.212		1.080		1.000	0.980		\$161,941
		09/30/2021	\$129,674		1.505		1.080		1.000	0.985		\$207,611
FRINGE	ALAE	09/30/2018	\$125,489				1.080		1.000	0.970		\$131,462
		09/30/2019	\$75,639				1.080		1.000	0.975		\$79,648
		09/30/2020	\$75,002				1.080		1.000	0.980		\$79,382
		09/30/2021	\$129,244				1.080		1.000	0.985		\$137,490
TOTAL												
FULL COVERAGE		09/30/2018										\$13,832,871
		09/30/2019										\$12,322,717
		09/30/2020										\$10,586,894
		09/30/2021										\$6,937,575

* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Explanatory Pages C-6 to C-8.

No development is applied for Medical Payments losses. See Explanatory Page C-5.

MINNESOTA
MANUFACTURERS AND CONTRACTORS
OCCURRENCE
DED COVERAGE
CALCULATION OF INCURRED LOSSES

			\$100,000		\$100,000							\$100,000	
		ACCIDENT	BASIC LIMIT		BASIC LIMIT	UNALLOCATED						BASIC LIMIT	
	LOSS	YEAR	LOSSES		INDEMNITY	LOSS						DEVELOPED &	
REPORT TYPE	DESCRIPTION	ENDING	AND ALAE *	X	FACTOR #	X	FACTOR	X	SEVERITY	X	FREQUENCY	TRENDED LOSSES	
									TREND		TREND	=	AND ALAE
BI	B/L INDEMNITY	09/30/2018	\$407,734		1.002		1.080		1.385		0.970		\$592,775
		09/30/2019	\$629,327		1.142		1.080		1.313		0.975		\$993,655
		09/30/2020	\$245,667		1.567		1.080		1.244		0.980		\$506,858
		09/30/2021	\$41,581		2.550		1.080		1.179		0.985		\$132,987
BI	ALAE	09/30/2018	\$108,613				1.080		1.385		0.970		\$157,589
		09/30/2019	\$382,387				1.080		1.313		0.975		\$528,684
		09/30/2020	\$115,467				1.080		1.244		0.980		\$152,029
		09/30/2021	\$36,647				1.080		1.179		0.985		\$45,964
PD	B/L INDEMNITY	09/30/2018	\$400,148		1.039		1.080		1.307		0.970		\$569,256
		09/30/2019	\$798,198		1.056		1.080		1.251		0.975		\$1,110,351
		09/30/2020	\$541,488		1.121		1.080		1.197		0.980		\$769,021
		09/30/2021	\$903,337		1.242		1.080		1.145		0.985		\$1,366,586
PD	ALAE	09/30/2018	\$56,144				1.080		1.307		0.970		\$76,873
		09/30/2019	\$173,405				1.080		1.251		0.975		\$228,427
		09/30/2020	\$103,576				1.080		1.197		0.980		\$131,221
		09/30/2021	\$256,001				1.080		1.145		0.985		\$311,822
MED PAY #	B/L INDEMNITY	09/30/2018	\$6,780				1.080		1.385		0.970		\$9,837
		09/30/2019	\$17,093				1.080		1.313		0.975		\$23,633
		09/30/2020	\$5,000				1.080		1.244		0.980		\$6,583
		09/30/2021	\$0				1.080		1.179		0.985		\$0
TOTAL													
DED COVERAGE		09/30/2018											\$1,406,330
		09/30/2019											\$2,884,750
		09/30/2020											\$1,565,712
		09/30/2021											\$1,857,359
TOTAL													
OCCURRENCE		09/30/2018											\$15,239,201
		09/30/2019											\$15,207,467
		09/30/2020											\$12,152,607
		09/30/2021											\$8,794,933

* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Explanatory Pages C-6 to C-8.

No development is applied for Medical Payments losses. See Explanatory Page C-5.

MINNESOTA
OWNERS, LANDLORDS & TENANTS
CALCULATION OF AGGREGATE LOSS COSTS
AT CURRENT LEVEL
COMBINED SINGLE LIMIT

TYPE OF POLICY	ACCIDENT YEAR ENDING	\$100,000	X	EXPOSURE	X	EXPOSURE	X	AVERAGE	=	TRENDED \$100,000
		BASIC LIMIT		DEVELOPMENT		TREND #		IPMF *		BASIC LIMIT
		AGGREGATE LOSS COSTS								AGGREGATE LOSS COSTS
		AT CURRENT LEVEL		FACTOR +						AT CURRENT LEVEL
MONOLINE	09/30/2018	\$3,791,200		1.000		1.050				\$3,980,760
	09/30/2019	\$3,193,080		1.000		1.040				\$3,320,803
	09/30/2020	\$2,702,860		1.000		1.025				\$2,770,431
	09/30/2021	\$2,628,563		1.001		1.018				\$2,678,553
MULTILINE	09/30/2018	\$9,608,456		1.000		1.043		0.969		\$9,710,949
	09/30/2019	\$9,487,463		1.000		1.036		0.968		\$9,514,483
	09/30/2020	\$9,808,582		1.000		1.028		0.968		\$9,760,559
	09/30/2021	\$9,540,220		1.001		1.021		0.969		\$9,448,046
TOTAL	09/30/2018									\$13,691,709
	09/30/2019									\$12,835,286
	09/30/2020									\$12,530,990
	09/30/2021									\$12,126,599

+ THE DERIVATION OF THE EXPOSURE DEVELOPMENT FACTOR IS SHOWN IN SECTION C, EXHIBIT C3 - CALCULATION OF STATE EXPOSURE DEVELOPMENT FACTORS.

AGGREGATE LOSS COSTS AT CURRENT LEVEL HAVE BEEN TRENDING FROM AN AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 05/01/2023 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION C, EXHIBIT C7 - AVERAGE ANNUAL EXPOSURE TRENDS.

* THE IMPLICIT PACKAGE MODIFICATION FACTORS APPLIED TO THE DATA FOR INDIVIDUAL PROGRAMS ARE SHOWN IN SECTION C, EXHIBIT C2 - IMPLICIT PACKAGE MODIFICATION FACTORS BY TYPE OF POLICY.

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
OCCURRENCE
FULL COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE *	X	\$100,000	X	UNALLOCATED			SEVERITY	FREQUENCY	=	\$100,000
					BASIC LIMIT INDEMNITY DEVELOPMENT FACTOR #		LOSS ADJUSTMENT FACTOR	TREND	BASIC LIMIT DEVELOPED & TRENDED LOSSES AND ALAE				
BI	B/L INDEMNITY	09/30/2018	\$4,742,411		0.956		1.080		1.467	0.970		\$6,967,592	
		09/30/2019	\$5,821,185		0.939		1.080		1.377	0.975		\$7,925,731	
		09/30/2020	\$4,508,073		0.929		1.080		1.293	0.980		\$5,731,325	
		09/30/2021	\$4,291,435		1.031		1.080		1.214	0.985		\$5,713,995	
BI	ALAE	09/30/2018	\$1,527,762				1.080		1.467	0.970		\$2,347,909	
		09/30/2019	\$1,565,592				1.080		1.377	0.975		\$2,270,079	
		09/30/2020	\$1,232,377				1.080		1.293	0.980		\$1,686,521	
		09/30/2021	\$1,346,760				1.080		1.214	0.985		\$1,739,277	
PD	B/L INDEMNITY	09/30/2018	\$904,484		1.033		1.080		1.553	0.970		\$1,520,086	
		09/30/2019	\$1,012,666		1.098		1.080		1.444	0.975		\$1,690,691	
		09/30/2020	\$819,775		1.144		1.080		1.344	0.980		\$1,334,043	
		09/30/2021	\$518,231		1.213		1.080		1.250	0.985		\$835,900	
PD	ALAE	09/30/2018	\$155,983				1.080		1.553	0.970		\$253,772	
		09/30/2019	\$334,631				1.080		1.444	0.975		\$508,818	
		09/30/2020	\$381,970				1.080		1.344	0.980		\$543,348	
		09/30/2021	\$434,614				1.080		1.250	0.985		\$577,929	
MED PAY #	B/L INDEMNITY	09/30/2018	\$1,004,120				1.080		1.467	0.970		\$1,543,161	
		09/30/2019	\$844,474				1.080		1.377	0.975		\$1,224,471	
		09/30/2020	\$536,860				1.080		1.293	0.980		\$734,699	
		09/30/2021	\$429,312				1.080		1.214	0.985		\$554,436	
FRINGE	B/L INDEMNITY	09/30/2018	\$95,713		1.074		1.080		1.031	0.970		\$111,027	
		09/30/2019	\$239,717		1.119		1.080		1.026	0.975		\$289,804	
		09/30/2020	\$226,107		1.360		1.080		1.021	0.980		\$332,299	
		09/30/2021	\$2,685		1.795		1.080		1.015	0.985		\$5,204	
FRINGE	ALAE	09/30/2018	\$61,651				1.080		1.031	0.970		\$66,587	
		09/30/2019	\$372,189				1.080		1.026	0.975		\$402,105	
		09/30/2020	\$327,772				1.080		1.021	0.980		\$354,199	
		09/30/2021	\$180,779				1.080		1.015	0.985		\$195,197	
	TOTAL												
	FULL COVERAGE	09/30/2018										\$12,810,134	
		09/30/2019										\$14,311,699	
		09/30/2020										\$10,716,434	
		09/30/2021										\$9,621,938	

* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Explanatory Pages C-6 to C-8.

No development is applied for Medical Payments losses. See Explanatory Page C-5.

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
OCCURRENCE
DED COVERAGE
CALCULATION OF INCURRED LOSSES

			\$100,000		\$100,000							\$100,000	
		ACCIDENT	BASIC LIMIT		BASIC LIMIT	UNALLOCATED						BASIC LIMIT	
	LOSS	YEAR	LOSSES		INDEMNITY	LOSS		SEVERITY	FREQUENCY			DEVELOPED &	
REPORT TYPE	DESCRIPTION	ENDING	AND ALAE *	X	FACTOR #	X	FACTOR	X	TREND	X	TREND	=	TRENDED LOSSES
													AND ALAE
BI	B/L INDEMNITY	09/30/2018	\$505,149		1.002		1.080		1.467		0.970		\$777,880
		09/30/2019	\$258,933		1.069		1.080		1.377		0.975		\$401,354
		09/30/2020	\$255,797		1.317		1.080		1.293		0.980		\$461,030
		09/30/2021	\$260,870		1.839		1.080		1.214		0.985		\$619,562
BI	ALAE	09/30/2018	\$106,949				1.080		1.467		0.970		\$164,362
		09/30/2019	\$158,721				1.080		1.377		0.975		\$230,143
		09/30/2020	\$67,494				1.080		1.293		0.980		\$92,367
		09/30/2021	\$97,584				1.080		1.214		0.985		\$126,025
PD	B/L INDEMNITY	09/30/2018	\$148,767		1.051		1.080		1.553		0.970		\$254,376
		09/30/2019	\$56,987		1.137		1.080		1.444		0.975		\$98,522
		09/30/2020	\$68,957		1.208		1.080		1.344		0.980		\$118,493
		09/30/2021	\$16,633		1.407		1.080		1.250		0.985		\$31,120
PD	ALAE	09/30/2018	\$84,236				1.080		1.553		0.970		\$137,045
		09/30/2019	\$13,319				1.080		1.444		0.975		\$20,253
		09/30/2020	\$21,385				1.080		1.344		0.980		\$30,419
		09/30/2021	\$7,180				1.080		1.250		0.985		\$9,547
MED PAY #	B/L INDEMNITY	09/30/2018	\$7,127				1.080		1.467		0.970		\$10,953
		09/30/2019	\$7,092				1.080		1.377		0.975		\$10,283
		09/30/2020	\$18,841				1.080		1.293		0.980		\$25,784
		09/30/2021	\$9,824				1.080		1.214		0.985		\$12,687
TOTAL													
DED COVERAGE		09/30/2018											\$1,344,616
		09/30/2019											\$760,555
		09/30/2020											\$728,093
		09/30/2021											\$798,941
TOTAL													
OCCURRENCE		09/30/2018											\$14,154,752
		09/30/2019											\$15,072,253
		09/30/2020											\$11,444,528
		09/30/2021											\$10,420,879

* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Explanatory Pages C-6 to C-8.

No development is applied for Medical Payments losses. See Explanatory Page C-5.

Minnesota
Premises / Operations
Manufacturers and Contractors
Subline Code 334
Combined Single Limit

Implicit Package Modification Factors (A) by Type of Policy

<u>Type of Policy (B)</u>	<u>Description</u>	<u>Implicit Package Modification Factors</u>
31	Not Applicable	--
32	Not Applicable	--
33	Office Policy	0.910
34	Mercantile Policy	1.127
35	Institutional Policy	0.739
36	Service Policy	1.066
37	Industrial / Processing Policy	1.085
38	Contractors Policy	1.096

- (A) Implicit Package Modification Factors shown above reflect the package modifications currently in the ISO manual for M&C for each type of package policy. More specifically, the G.L. and Property Implicit Package Modification Factors are calculated so that they average to the current manual CPP modification factors that apply to both property and liability.
- (B) Combined data for risks written under the ISO CPP Program and individual insurer CMP programs have been used. These Implicit Package Modification Factors were applied to the aggregate loss costs at current level in each accident year. The average implicit package modification factor for each accident year is shown in Section C, Exhibit C1, page 1 - Calculation of Aggregate Loss Costs at Current Level. The difference in average implicit package modification factor results from varying aggregate loss-costs-at-current-level distributions by Type of Policy in each year.

Minnesota
Premises / Operations
Owners, Landlords, and Tenants
Subline Code 334
Combined Single Limit

Implicit Package Modification Factors (A) by Type of Policy

<u>Type of Policy (B)</u>	<u>Description</u>	<u>Implicit Package Modification Factors</u>
31	Motel / Hotel Policy	1.000
32	Apartment House Policy	1.000
33	Office Policy	1.009
34	Mercantile Policy	0.983
35	Institutional Policy	0.938
36	Service Policy	0.848
37	Not Applicable	--
38	Not Applicable	--

(A) Implicit Package Modification Factors shown above reflect the package modifications currently in the ISO manual for OL&T for each type of package policy. More specifically, the G.L. and Property Implicit Package Modification Factors are calculated so that they average to the current manual CPP modification factors that apply to both property and liability.

(B) Combined data for risks written under the ISO CPP Program and individual insurer CMP programs have been used. These Implicit Package Modification Factors were applied to the aggregate loss costs at current level in each accident year. The average implicit package modification factor for each accident year is shown in Section C, Exhibit C1, page 4 - Calculation of Aggregate Loss Costs at Current Level. The difference in average implicit package modification factor results from varying aggregate loss-costs-at-current-level distributions by Type of Policy in each year.

MINNESOTA

PREMISES/OPERATIONS
MANUFACTURERS AND CONTRACTORSFULL & DEDUCTIBLE COMBINED
TOTAL LIMITS PREMIUM

CALCULATION OF EXPOSURE DEVELOPMENT FACTORS

(1) Evaluation Period	(2) Multistate Ratio (a)	(3) State Ratio (b)	(4) Credibility (c)	(5) Weighted Ratio (d)	(6) Credibility Constant (Ki)
15 to 27 Months	1.022	1.019	0.8069	1.020	17,000,000
27 to 39 Months	1.000	1.001	0.4959	1.000	70,000,000
Accident Year Ending	Exposure Development From				Factor
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		
6/30/2019			1.000		1.000
6/30/2020		1.000	1.000		1.000
6/30/2021	1.020	1.000	1.000		1.020

(a) See Section C - Multistate Premium Development.

(b) See Section C - Statewide Premium Development.

(c) Credibility is based upon the statewide premium for each evaluation period.
Exposures are assumed to be mature at 39 months.

(d) $\{(3) \times (4)\} + \{(2) \times [1.000 - (4)]\}$

MINNESOTA

PREMISES/OPERATIONS
OWNERS LANDLORDS AND TENANTSFULL & DEDUCTIBLE COMBINED
TOTAL LIMITS PREMIUM

CALCULATION OF EXPOSURE DEVELOPMENT FACTORS

(1) Evaluation Period	(2) Multistate Ratio (a)	(3) State Ratio (b)	(4) Credibility (c)	(5) Weighted Ratio (d)	(6) Credibility Constant (Ki)
15 to 27 Months	1.002	1.000	0.4750	1.001	90,000,000
27 to 39 Months	1.000	1.000	0.4091	1.000	120,000,000
Accident Year Ending	Exposure Development From				Factor
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		
6/30/2019			1.000		1.000
6/30/2020		1.000	1.000		1.000
6/30/2021	1.001	1.000	1.000		1.001

(a) See Section C - Multistate Premium Development.

(b) See Section C - Statewide Premium Development.

(c) Credibility is based upon the statewide premium for each evaluation period.
Exposures are assumed to be mature at 39 months.

(d) $\{(3) \times (4)\} + \{(2) \times \{1.000 - (4)\}\}$

MINNESOTA
MANUFACTURERS AND CONTRACTORS

COMBINED SINGLE LIMIT
TOTAL LIMITS PREMIUM DEVELOPMENT
SUBLINE 334
FULL & DEDUCTIBLE
ACCIDENT YEAR DATA

<u>Accident Year Ending</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
6/30/2014	18,505,604	18,831,652	18,905,866	18,903,396	18,898,104	18,897,632	18,897,632	18,897,632
6/30/2015	19,424,905	20,025,449	20,041,763	20,035,422	20,033,250	20,033,032	20,033,032	
6/30/2016	19,378,392	20,159,466	20,046,330	20,048,695	20,048,227	20,048,227		
6/30/2017	20,330,124	20,613,915	20,767,118	20,767,584	20,768,931			
6/30/2018	23,711,705	24,186,054	24,199,863	24,200,688				
6/30/2019	23,562,501	24,057,284	24,058,336					
6/30/2020	23,777,577	24,136,535						
6/30/2021	24,137,012							

LINK RATIOS

<u>Accident Year Ending</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
6/30/2014	1.018	1.004	1.000	1.000	1.000	1.000	1.000
6/30/2015	1.031	1.001	1.000	1.000	1.000	1.000	
6/30/2016	1.040	0.994	1.000	1.000	1.000		
6/30/2017	1.014	1.007	1.000	1.000			
6/30/2018	1.020	1.001	1.000				
6/30/2019	1.021	1.000					
6/30/2020	1.015						

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.019	1.001

MINNESOTA
OWNERS LANDLORDS AND TENANTS

COMBINED SINGLE LIMIT
TOTAL LIMITS PREMIUM DEVELOPMENT
SUBLINE 334
FULL & DEDUCTIBLE
ACCIDENT YEAR DATA

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
6/30/2014	23,177,910	23,215,785	23,210,306	23,203,568	23,200,166	23,200,166	23,200,166	23,200,166
6/30/2015	23,598,773	23,694,043	23,689,191	23,698,919	23,697,838	23,697,838	23,697,838	
6/30/2016	23,512,788	23,573,046	23,566,757	23,557,296	23,557,296	23,562,919		
6/30/2017	23,694,800	27,537,762	27,513,988	27,502,479	27,501,132			
6/30/2018	33,037,263	32,984,734	32,939,940	32,942,584				
6/30/2019	22,555,718	22,543,462	22,544,150					
6/30/2020	25,842,697	25,409,134						
6/30/2021	22,090,275							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
6/30/2014	1.002	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2015	1.004	1.000	1.000	1.000	1.000	1.000	
6/30/2016	1.003	1.000	1.000	1.000	1.000		
6/30/2017	1.162	0.999	1.000	1.000			
6/30/2018	0.998	0.999	1.000				
6/30/2019	0.999	1.000					
6/30/2020	0.983						

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.000	1.000

MULTISTATE
MANUFACTURERS AND CONTRACTORS

COMBINED SINGLE LIMIT
TOTAL LIMITS PREMIUM DEVELOPMENT
SUBLINE 334
FULL & DEDUCTIBLE
ACCIDENT YEAR DATA

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
6/30/2014	1,595,122,172	1,645,904,135	1,650,400,907	1,651,124,386	1,651,317,007	1,651,339,771	1,651,334,253	1,651,333,321
6/30/2015	1,687,594,121	1,737,021,403	1,737,279,061	1,737,552,671	1,737,543,098	1,737,641,401	1,737,586,229	
6/30/2016	1,701,990,229	1,746,398,099	1,744,264,019	1,744,535,803	1,744,959,817	1,744,878,260		
6/30/2017	1,758,092,973	1,798,354,337	1,800,578,701	1,800,849,708	1,800,907,509			
6/30/2018	1,828,076,522	1,867,084,897	1,866,005,152	1,866,173,374				
6/30/2019	1,914,052,906	1,954,061,865	1,956,428,059					
6/30/2020	1,997,174,080	2,022,298,650						
6/30/2021	2,058,994,436							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
6/30/2014	1.032	1.003	1.000	1.000	1.000	1.000	1.000
6/30/2015	1.029	1.000	1.000	1.000	1.000	1.000	
6/30/2016	1.026	0.999	1.000	1.000	1.000		
6/30/2017	1.023	1.001	1.000	1.000			
6/30/2018	1.021	0.999	1.000				
6/30/2019	1.021	1.001					
6/30/2020	1.013						

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.022	1.000

MULTISTATE
OWNERS LANDLORDS AND TENANTS

COMBINED SINGLE LIMIT
TOTAL LIMITS PREMIUM DEVELOPMENT
SUBLINE 334
FULL & DEDUCTIBLE
ACCIDENT YEAR DATA

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
6/30/2014	2,061,757,860	2,091,976,749	2,091,675,253	2,092,582,520	2,092,292,172	2,092,276,014	2,092,276,097	2,092,275,991
6/30/2015	2,227,306,004	2,233,749,244	2,233,933,169	2,233,187,779	2,233,147,274	2,233,140,799	2,233,140,258	
6/30/2016	2,330,503,897	2,332,856,383	2,332,497,258	2,332,433,592	2,332,512,238	2,332,515,198		
6/30/2017	2,329,379,890	2,344,427,463	2,343,348,172	2,343,189,836	2,343,189,524			
6/30/2018	2,358,818,608	2,364,348,612	2,362,688,974	2,362,595,145				
6/30/2019	2,404,276,385	2,409,920,557	2,408,398,889					
6/30/2020	2,377,145,929	2,352,035,192						
6/30/2021	2,294,674,090							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
6/30/2014	1.015	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2015	1.003	1.000	1.000	1.000	1.000	1.000	
6/30/2016	1.001	1.000	1.000	1.000	1.000		
6/30/2017	1.006	1.000	1.000	1.000			
6/30/2018	1.002	0.999	1.000				
6/30/2019	1.002	0.999					
6/30/2020	0.989						

Average Best 3 of 5
27:15 39:27
 1.002 1.000

MINNESOTA

Premises/Operations

Manufacturers & Contractors

Bodily Injury

Full Coverage

Incurred Losses Excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
Evaluation Period	Multistate Ratio (A)	State Ratio (B)	Credibility (C)	Weighted Ratio (D)	Credibility Constant (Ki)
15 to 27 Months	1.607	0.815	0.7099	1.045	1,300,000
27 to 39 Months	1.317	1.166	0.6412	1.220	1,600,000
39 to 51 Months	1.093	1.059	0.6471	1.071	1,900,000
51 to 63 Months	1.017	0.978	0.6086	0.993	2,300,000
63 to 75 Months	0.999	0.957	0.5364	0.976	2,800,000
75 to 87 Months	0.998	1.013	0.5160	1.006	3,400,000
87 to 99 Months	0.999	1.015	0.4545	1.006	4,000,000
99 to 111 Months	1.000	1.000	0.4089	1.000	4,900,000
111 to 123 Months	0.999	1.000	0.3822	0.999	5,900,000
123 to 135 Months	1.001	1.000	0.3477	1.001	7,100,000
135 to 147 Months	1.000	1.000	0.3026	1.000	8,600,000
147 to 159 Months	1.002	1.000	0.2515	1.001	10,300,000
159 to 171 Months	1.000	1.000	0.2088	1.000	12,500,000
171 to 183 Months	1.000	1.000	0.2091	1.000	15,100,000
183 to 195 Months	1.000	1.000	0.1976	1.000	18,200,000
195 to 207 Months	1.000	1.000	0.1638	1.000	22,000,000
207 to 219 Months	1.000	1.000	0.1481	1.000	26,500,000
219 to 231 Months	1.000	1.000	0.0853	1.000	32,000,000
231 to 243 Months	1.000	1.000	0.0454	1.000	38,600,000
243 to Ultimate	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2019			1.071	0.993	0.976	1.006	1.006	1.000	0.999	1.001	1.000
6/30/2020		1.220	1.071	0.993	0.976	1.006	1.006	1.000	0.999	1.001	1.000
6/30/2021	1.045	1.220	1.071	0.993	0.976	1.006	1.006	1.000	0.999	1.001	1.000
	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
6/30/2019	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.053
6/30/2020	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.285
6/30/2021	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.342

(A) See Exhibit C4 - Multistate Loss Development.

(B) See Exhibit C4 - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

(D) $\{(3) \times (4)\} + \{(2) \times \{1.000 - (4)\}\}$

MINNESOTA

Premises/Operations

Manufacturers & Contractors
 Bodily Injury
 Full and Deductible Coverage
 ALAE

Calculation of Cumulative Incremental Factors

	(1)	(2)	(3)	(4)	(5)	
	Evaluation Period	Multistate Ratio (A)	State Ratio (B)	Credibility (C)	Weighted Ratio (D)	Credibility Constant (Ki)
	15 to 27 Months	0.0667	0.0338	0.7099	0.0433	1,300,000
	27 to 39 Months	0.0969	0.0798	0.6412	0.0859	1,600,000
	39 to 51 Months	0.0810	0.0856	0.6471	0.0840	1,900,000
	51 to 63 Months	0.0483	0.0316	0.6086	0.0381	2,300,000
	63 to 75 Months	0.0249	0.0042	0.5364	0.0138	2,800,000
	75 to 87 Months	0.0107	0.0108	0.5160	0.0108	3,400,000
	87 to 99 Months	0.0043	0.0076	0.4545	0.0058	4,000,000
	99 to 111 Months	0.0032	0.0001	0.4089	0.0019	4,900,000
	111 to 123 Months	0.0018	0.0000	0.3822	0.0011	5,900,000
	123 to 135 Months	0.0014	0.0000	0.3477	0.0009	7,100,000
	135 to 147 Months	0.0002	0.0000	0.3026	0.0001	8,600,000
	147 to 159 Months	0.0015	0.0000	0.2515	0.0011	10,300,000
	159 to 171 Months	0.0005	0.0000	0.2088	0.0004	12,500,000
	171 to Ultimate	A multistate ratio of 0.0000 has been used.				
Cumulative Incremental Factors						
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>
	0.287	0.244	0.158	0.074	0.036	0.022
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>
	0.006	0.004	0.003	0.002	0.002	0.000
<u>verage</u>						
	Reported ALAE	\$500,000		ALAE	Additional	Ultimate
<u>A.Y.E</u>	<u>as of 12/31/2021</u>	<u>Ultimate Indemnity</u>		<u>Factor</u>	<u>ALAE</u>	<u>ALAE</u>
9/30/2019	639,455	3,859,362		0.158	609,779	1,249,234
9/30/2020	184,178	3,285,730		0.244	801,390	985,568
9/30/2021	79,651	1,719,653		0.287	493,884	573,535
<u>ble Coverage</u>						
	Reported ALAE	\$500,000		ALAE	Additional	Ultimate
<u>A.Y.E</u>	<u>as of 12/31/2021</u>	<u>Ultimate Indemnity</u>		<u>Factor</u>	<u>ALAE</u>	<u>ALAE</u>
9/30/2019	175,409	1,309,987		0.158	206,978	382,387
9/30/2020	13,931	416,301		0.244	101,536	115,467
9/30/2021	6,195	106,031		0.287	30,452	36,647

(A) See Exhibit C4 - Multistate Loss Development.

(B) See Exhibit C4 - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

(D) $\{(3) \times (4)\} + \{(2) \times \{1.000 - (4)\}\}$

MINNESOTA

Premises/Operations

Manufacturers & Contractors

Property Damage

Full Coverage

Incurred Losses Excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
Evaluation Period	Multistate Ratio (A)	State Ratio (B)	Credibility (C)	Weighted Ratio (D)	Credibility Constant (Ki)
15 to 27 Months	1.126	1.136	0.6988	1.133	2,900,000
27 to 39 Months	1.047	1.015	0.6950	1.025	3,000,000
39 to 51 Months	1.021	0.998	0.6965	1.005	3,100,000
51 to 63 Months	1.012	0.995	0.6558	1.001	3,200,000
63 to 75 Months	1.010	0.997	0.6617	1.001	3,300,000
75 to 87 Months	1.006	1.007	0.6388	1.007	3,400,000
87 to 99 Months	1.004	1.000	0.6332	1.001	3,500,000
99 to 111 Months	1.004	1.002	0.5995	1.003	3,700,000
111 to 123 Months	1.003	1.000	0.5836	1.001	3,800,000
123 to 135 Months	1.001	1.000	0.5680	1.000	3,900,000
135 to 147 Months	1.002	1.000	0.5952	1.001	4,000,000
147 to 159 Months	1.001	1.000	0.5869	1.000	4,200,000
159 to 171 Months	1.000	1.000	0.5821	1.000	4,400,000
171 to 183 Months	1.001	1.000	0.5570	1.000	4,500,000
183 to 195 Months	1.001	1.000	0.5485	1.000	4,700,000
195 to 207 Months	1.001	1.000	0.5591	1.000	4,900,000
207 to 219 Months	1.000	1.000	0.6015	1.000	5,100,000
219 to 231 Months	1.000	1.000	0.5200	1.000	5,300,000
231 to 243 Months	1.000	1.000	0.3871	1.000	5,500,000
243 to Ultimate	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2019			1.005	1.001	1.001	1.007	1.001	1.003	1.001	1.000	1.001
6/30/2020		1.025	1.005	1.001	1.001	1.007	1.001	1.003	1.001	1.000	1.001
6/30/2021	1.133	1.025	1.005	1.001	1.001	1.007	1.001	1.003	1.001	1.000	1.001
	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.023
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.048
6/30/2021	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.187

(A) See Exhibit C4 - Multistate Loss Development.

(B) See Exhibit C4 - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

(D) $\{(3) \times (4)\} + \{(2) \times \{1.000 - (4)\}\}$

MINNESOTA

Premises/Operations

Manufacturers & Contractors
 Property Damage
 Full and Deductible Coverage
 ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)	(3)	(4)	(5)	
Evaluation Period	Multistate Ratio (A)	State Ratio (B)	Credibility (C)	Weighted Ratio (D)	Credibility Constant (Ki)
15 to 27 Months	0.0462	0.0384	0.6988	0.0407	2,900,000
27 to 39 Months	0.0424	0.0198	0.6950	0.0267	3,000,000
39 to 51 Months	0.0356	0.0396	0.6965	0.0384	3,100,000
51 to 63 Months	0.0328	0.0332	0.6558	0.0331	3,200,000
63 to 75 Months	0.0200	0.0131	0.6617	0.0154	3,300,000
75 to 87 Months	0.0119	0.0096	0.6388	0.0104	3,400,000
87 to 99 Months	0.0072	0.0012	0.6332	0.0034	3,500,000
99 to 111 Months	0.0075	0.0006	0.5995	0.0034	3,700,000
111 to 123 Months	0.0038	0.0002	0.5836	0.0017	3,800,000
123 to 135 Months	0.0042	0.0000	0.5680	0.0018	3,900,000
135 to 147 Months	0.0050	0.0013	0.5952	0.0028	4,000,000
147 to 159 Months	0.0037	0.0000	0.5869	0.0015	4,200,000
159 to 171 Months	0.0023	0.0000	0.5821	0.0010	4,400,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.180	0.140	0.113	0.075	0.041	0.026	0.016
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.012	0.009	0.007	0.005	0.003	0.001	0.000

Full coverage

A.Y.E	Reported ALAE as of 12/31/2021	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2019	695,882	5,912,496	0.113	667,521	1,363,403
9/30/2020	439,543	4,902,342	0.140	684,367	1,123,910
9/30/2021	76,836	3,202,618	0.180	577,432	654,268

Deductible Coverage

A.Y.E	Reported ALAE as of 12/31/2021	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2019	71,951	898,621	0.113	101,454	173,405
9/30/2020	13,876	642,549	0.140	89,700	103,576
9/30/2021	36,507	1,217,380	0.180	219,494	256,001

(A) See Exhibit C4 - Multistate Loss Development.

(B) See Exhibit C4 - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

(D) $\{(3) \times (4)\} + \{(2) \times \{1.000 - (4)\}\}$

MINNESOTA

Premises/Operations

Manufacturers & Contractors

Fringe

Full Coverage

ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
Evaluation Period	Multistate Ratio (A)
15 to 27 Months	0.1237
27 to 39 Months	0.1119
39 to 51 Months	0.1405
51 to 63 Months	0.1014
63 to 75 Months	0.0316
75 to 87 Months	0.0537
87 to 99 Months	0.0208
99 to 111 Months	0.0173
111 to 123 Months	0.0031
123 to 135 Months	-0.0007
135 to 147 Months	0.0015
147 to 159 Months	0.0011
159 to 171 Months	0.0016
171 to Ultimate	A multistate ratio of 0.0000 has been used.

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.608	0.484	0.372	0.231	0.130	0.098	0.045
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.024	0.007	0.004	0.004	0.003	0.002	0.000

Full coverage

A.Y.E	Reported ALAE as of 12/31/2021	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2019	25,226	135,556	0.372	50,413	75,639
9/30/2020	978	153,006	0.484	74,024	75,002
9/30/2021	10,685	195,159	0.608	118,559	129,244

(A) See Exhibit C4 - Multistate Loss Development.

Note : Fringe Incremental ALAE Factors are calculated using multistate data.

Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Full Coverage
MINNESOTA
Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	822,729	1,066,580	1,417,735	2,046,815	1,869,774	1,849,651	1,867,579	1,844,028	1,836,528	1,836,528	1,836,528
6/30/2003	818,841	1,075,754	1,391,949	1,509,259	1,393,869	1,214,457	1,213,582	1,213,582	1,213,582	1,213,984	1,100,733
6/30/2004	932,108	1,376,213	1,451,532	1,796,926	1,731,726	1,756,776	1,637,276	1,634,276	1,624,276	1,624,276	1,624,276
6/30/2005	1,123,767	1,408,586	1,788,783	1,932,655	1,696,990	1,646,372	1,540,341	1,540,343	1,540,341	1,540,341	1,540,541
6/30/2006	1,454,700	1,621,474	1,394,034	1,321,537	1,348,938	1,342,871	1,327,961	1,298,980	1,308,945	1,308,945	1,308,945
6/30/2007	710,141	1,135,539	1,192,741	1,130,172	1,132,317	1,137,367	1,137,867	1,131,864	1,133,064	1,133,332	1,133,332
6/30/2008	1,319,847	1,314,073	1,388,118	1,129,525	1,019,184	857,184	852,184	852,184	841,934	852,184	852,184
6/30/2009	919,651	1,471,003	1,478,977	1,487,930	1,491,430	1,551,346	1,493,746	1,485,246	1,485,246	1,485,246	1,485,246
6/30/2010	1,466,546	1,139,198	1,112,514	1,449,851	1,369,275	1,271,707	1,308,702	1,393,838	1,393,838	1,393,838	1,393,838
6/30/2011	861,270	759,830	1,040,505	1,105,151	867,651	895,651	890,651	905,651	905,651	905,651	905,651
6/30/2012	936,628	1,141,859	1,533,637	1,351,790	1,388,840	1,313,840	1,350,840	1,350,840	1,350,840	1,350,840	
6/30/2013	663,248	1,286,373	1,146,934	1,009,940	1,133,438	1,115,377	1,133,688	1,133,688	1,133,688		
6/30/2014	1,253,743	1,255,348	1,200,273	1,001,236	958,829	908,829	848,829	873,829			
6/30/2015	940,841	1,359,510	1,580,903	1,788,031	1,635,868	1,600,015	1,665,088				
6/30/2016	561,522	453,874	557,232	607,745	644,648	605,639					
6/30/2017	791,431	594,085	1,081,585	1,179,980	992,139						
6/30/2018	1,333,053	1,668,644	1,844,907	1,838,280							
6/30/2019	764,133	597,101	577,433								
6/30/2020	1,083,379	927,866									
6/30/2021	666,057										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2002	1,836,528	1,836,528	1,836,528	1,836,528	1,836,528	1,836,528	1,836,528	1,836,528	1,836,528
6/30/2003	1,145,984	1,145,984	1,145,984	1,145,984	1,145,984	1,145,984	1,145,984	1,145,984	
6/30/2004	1,624,276	1,624,276	1,624,276	1,624,276	1,624,276	1,624,276	1,624,276		
6/30/2005	1,540,541	1,540,541	1,540,541	1,540,541	1,540,541	1,540,541			
6/30/2006	1,308,945	1,323,945	1,317,645	1,317,145	1,317,145				
6/30/2007	1,133,332	1,133,332	1,133,332	1,133,332					
6/30/2008	841,934	841,934	841,934						
6/30/2009	1,485,246	1,485,246							
6/30/2010	1,393,838								

Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Full Coverage
MINNESOTA
Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

	Link Ratios										
<u>A.Y.E.</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2002	1.296	1.329	1.444	0.914	0.989	1.010	0.987	0.996	1.000	1.000	1.000
6/30/2003	1.314	1.294	1.084	0.924	0.871	0.999	1.000	1.000	1.000	0.907	1.041
6/30/2004	1.476	1.055	1.238	0.964	1.014	0.932	0.998	0.994	1.000	1.000	1.000
6/30/2005	1.253	1.270	1.080	0.878	0.970	0.936	1.000	1.000	1.000	1.000	1.000
6/30/2006	1.115	0.860	0.948	1.021	0.996	0.989	0.978	1.008	1.000	1.000	1.000
6/30/2007	1.599	1.050	0.948	1.002	1.004	1.000	0.995	1.001	1.000	1.000	1.000
6/30/2008	0.996	1.056	0.814	0.902	0.841	0.994	1.000	0.988	1.012	1.000	0.988
6/30/2009	1.600	1.005	1.006	1.002	1.040	0.963	0.994	1.000	1.000	1.000	1.000
6/30/2010	0.777	0.977	1.303	0.944	0.929	1.029	1.065	1.000	1.000	1.000	1.000
6/30/2011	0.882	1.369	1.062	0.785	1.032	0.994	1.017	1.000	1.000	1.000	
6/30/2012	1.219	1.343	0.881	1.027	0.946	1.028	1.000	1.000	1.000		
6/30/2013	1.940	0.892	0.881	1.122	0.984	1.016	1.000	1.000			
6/30/2014	1.001	0.956	0.834	0.958	0.948	0.934	1.029				
6/30/2015	1.445	1.163	1.131	0.915	0.978	1.041					
6/30/2016	0.808	1.228	1.091	1.061	0.939						
6/30/2017	0.751	1.821	1.091	0.841							
6/30/2018	1.252	1.106	0.996								
6/30/2019	0.781	0.967									
6/30/2020	0.856										

3 Yr Mean	0.963	1.298	1.059	0.939	0.955	0.997	1.010	1.000	1.000	1.000	0.996
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Best 3/5	0.815	1.166	1.059	0.978	0.957	1.013	1.015	1.000	1.000	1.000	1.000
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<u>A.Y.E.</u>	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>
6/30/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2004	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2005	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2006	1.011	0.995	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2007	1.000	1.000	1.000					
6/30/2008	1.000	1.000						
6/30/2009	1.000							

3 Yr Mean	1.000	0.998	1.000	1.000	1.000	1.000	1.000	1.000
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Best 3/5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
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	Development From										
<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2017					0.957	1.013	1.015	1.000	1.000	1.000	1.000
6/30/2018				0.978	0.957	1.013	1.015	1.000	1.000	1.000	1.000
6/30/2019			1.059	0.978	0.957	1.013	1.015	1.000	1.000	1.000	1.000
6/30/2020		1.166	1.059	0.978	0.957	1.013	1.015	1.000	1.000	1.000	1.000
6/30/2021	0.815	1.166	1.059	0.978	0.957	1.013	1.015	1.000	1.000	1.000	1.000

<u>A.Y.E.</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.984
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.962
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.019
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.188
6/30/2021	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.968

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Premises / Operations (Subline Code 334)
 Manufacturers and Contractors
 Full Coverage
 MINNESOTA
 Bodily Injury - Occurrence
 Incurred Accident Year ALAE Development

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	71,697	113,016	496,041	733,387	835,597	863,514	942,188	971,937	986,945	1,081,165	1,081,165
6/30/2003	109,623	177,398	391,828	550,848	614,340	800,419	821,519	844,263	858,188	867,069	890,148
6/30/2004	87,584	159,524	540,974	511,873	523,104	594,006	615,942	622,635	626,702	626,740	626,778
6/30/2005	58,932	221,597	482,316	640,002	779,124	782,266	785,345	797,642	805,664	812,045	821,073
6/30/2006	106,659	276,001	640,906	922,251	924,198	927,968	958,635	992,630	984,270	984,606	994,607
6/30/2007	28,624	113,445	256,333	502,961	661,031	860,403	855,823	864,012	852,217	850,819	850,819
6/30/2008	112,907	399,674	647,814	857,309	1,018,819	1,012,603	1,032,984	1,034,216	1,015,046	1,034,535	1,034,533
6/30/2009	40,685	188,854	586,356	1,018,276	1,220,419	1,305,809	1,359,871	1,383,731	1,390,255	1,390,255	1,390,255
6/30/2010	57,115	231,588	606,067	562,884	671,270	719,492	773,822	804,549	805,457	805,457	805,457
6/30/2011	54,077	180,210	463,107	572,115	614,567	634,315	642,327	654,646	654,646	654,646	654,646
6/30/2012	139,300	299,037	739,031	1,224,718	1,282,566	1,173,364	1,264,826	1,253,661	1,253,661	1,253,661	
6/30/2013	35,795	237,211	495,877	556,268	629,477	649,183	656,229	666,581	666,581		
6/30/2014	87,645	175,699	337,217	784,174	831,109	842,009	848,480	875,545			
6/30/2015	90,667	204,602	548,420	753,510	819,823	920,485	1,010,322				
6/30/2016	26,906	162,450	324,664	446,445	472,708	465,072					
6/30/2017	76,180	129,789	233,589	435,661	536,066						
6/30/2018	165,508	255,755	579,178	785,044							
6/30/2019	11,975	54,034	117,066								
6/30/2020	58,633	150,271									
6/30/2021	57,285										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2002	1,081,165	1,081,165	1,081,165	1,081,165	1,081,165	1,081,165	1,081,165	1,081,165	1,081,165
6/30/2003	930,687	931,231	931,231	931,231	931,231	931,231	931,231	931,231	
6/30/2004	626,778	626,778	626,778	626,778	626,778	626,778	626,778		
6/30/2005	821,701	821,701	821,701	821,701	821,701	821,701			
6/30/2006	994,609	985,815	985,815	988,815	988,815				
6/30/2007	850,819	850,819	850,819	850,819					
6/30/2008	1,015,237	1,015,237	1,015,237						
6/30/2009	1,390,255	1,390,255							
6/30/2010	805,457								

Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Full Coverage
MINNESOTA
Bodily Injury - Occurrence
Incurred Accident Year Incremental ALAE Development

	Increments												
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2002	41,319	383,025	237,346	102,210	27,917	78,674	29,749	15,008	94,220	0	0	0	0
6/30/2003	67,775	214,430	159,020	63,492	186,079	21,100	22,744	13,925	8,881	23,079	40,539	544	0
6/30/2004	71,940	381,450	-29,101	11,231	70,902	21,936	6,693	4,067	38	38	0	0	0
6/30/2005	162,665	260,719	157,686	139,122	3,142	3,079	12,297	8,022	6,381	9,028	628	0	0
6/30/2006	169,342	364,905	281,345	1,947	3,770	30,667	33,995	-8,360	336	10,001	2	-8,794	0
6/30/2007	84,821	142,888	246,628	158,070	199,372	-4,580	8,189	-11,795	-1,398	0	0	0	0
6/30/2008	286,767	248,140	209,495	161,510	-6,216	20,381	1,232	-19,170	19,489	-2	-19,296	0	0
6/30/2009	148,169	397,502	431,920	202,143	85,390	54,062	23,860	6,524	0	0	0	0	0
6/30/2010	174,473	374,479	-43,183	108,386	48,222	54,330	30,727	908	0	0	0	0	0
6/30/2011	126,133	282,897	109,008	42,452	19,748	8,012	12,319	0	0	0	0	0	0
6/30/2012	159,737	439,994	485,687	57,848	-109,202	91,462	-11,165	0	0	0	0	0	0
6/30/2013	201,416	258,666	60,391	73,209	19,706	7,046	10,352	0	0	0	0	0	0
6/30/2014	88,054	161,518	446,957	46,935	10,900	6,471	27,065	0	0	0	0	0	0
6/30/2015	113,935	343,818	205,090	66,313	100,662	89,837	0	0	0	0	0	0	0
6/30/2016	135,544	162,214	121,781	26,263	-7,636	0	0	0	0	0	0	0	0
6/30/2017	53,609	103,800	202,072	100,405	0	0	0	0	0	0	0	0	0
6/30/2018	90,247	323,423	205,866	0	0	0	0	0	0	0	0	0	0
6/30/2019	42,059	63,032	0	0	0	0	0	0	0	0	0	0	0
6/30/2020	91,638	0	0	0	0	0	0	0	0	0	0	0	0

	Incremental Percentages												
A.Y.E.	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135	159:147	171:159
6/30/2002	0.0127	0.1177	0.0729	0.0314	0.0086	0.0242	0.0091	0.0046	0.0289	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.0331	0.1048	0.0777	0.0310	0.0909	0.0103	0.0111	0.0068	0.0043	0.0113	0.0198	0.0003	0.0000
6/30/2004	0.0321	0.1700	-0.0130	0.0050	0.0316	0.0098	0.0030	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0591	0.0948	0.0573	0.0506	0.0011	0.0011	0.0045	0.0029	0.0023	0.0033	0.0002	0.0000	0.0000
6/30/2006	0.0589	0.1268	0.0978	0.0007	0.0013	0.0107	0.0118	-0.0029	0.0001	0.0035	0.0000	-0.0031	0.0000
6/30/2007	0.0422	0.0711	0.1226	0.0786	0.0991	-0.0023	0.0041	-0.0059	-0.0007	0.0000	0.0000	0.0000	0.0000
6/30/2008	0.2541	0.2199	0.1856	0.1431	-0.0055	0.0181	0.0011	-0.0170	0.0173	0.0000	-0.0171	0.0000	0.0000
6/30/2009	0.0581	0.1559	0.1694	0.0793	0.0335	0.0212	0.0094	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2010	0.0657	0.1410	-0.0163	0.0408	0.0182	0.0205	0.0116	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2011	0.0625	0.1402	0.0540	0.0210	0.0098	0.0040	0.0061	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2012	0.0584	0.1608	0.1775	0.0211	-0.0399	0.0334	-0.0041	0.0000	0.0000				
6/30/2013	0.0987	0.1268	0.0296	0.0359	0.0097	0.0035	0.0051	0.0000					
6/30/2014	0.0717	0.1315	0.3638	0.0382	0.0089	0.0053	0.0220						
6/30/2015	0.0292	0.0880	0.0525	0.0170	0.0258	0.0230							
6/30/2016	0.1069	0.1279	0.0960	0.0207	-0.0060								
6/30/2017	0.0261	0.0505	0.0984	0.0489									
6/30/2018	0.0274	0.0981	0.0624										
6/30/2019	0.0356	0.0533											
6/30/2020	0.0383												

Best 3/5	0.0338	0.0798	0.0856	0.0316	0.0042	0.0108	0.0076	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
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Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Full Coverage
MINNESOTA
Property Damage - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	2,585,515	3,433,181	3,219,515	3,373,522	3,272,277	3,423,884	3,499,883	3,441,272	3,466,738	3,526,237	3,482,939
6/30/2003	1,747,200	1,848,761	2,455,548	2,514,421	2,292,012	2,320,907	2,280,537	2,273,816	2,282,537	2,267,537	2,270,912
6/30/2004	1,870,299	2,170,666	2,235,074	2,313,198	1,999,828	1,943,872	1,945,211	1,943,828	1,957,727	1,957,062	1,977,062
6/30/2005	2,418,002	2,073,575	2,016,828	1,992,724	1,977,348	1,980,805	2,053,950	2,072,278	2,004,662	1,995,420	1,988,420
6/30/2006	2,128,220	1,675,405	1,791,704	1,774,169	1,748,823	1,788,869	1,745,969	1,745,969	1,779,885	1,747,593	1,765,101
6/30/2007	1,852,553	1,949,284	1,967,876	1,803,862	1,916,759	1,928,888	1,911,971	1,903,471	1,938,471	1,929,071	1,904,471
6/30/2008	2,150,659	2,275,465	2,388,947	2,341,737	2,441,704	2,503,035	2,458,122	2,458,130	2,458,130	2,458,122	2,458,122
6/30/2009	1,595,908	1,667,173	1,792,626	1,709,345	1,600,917	1,643,417	1,600,567	1,599,605	1,606,356	1,605,356	1,605,356
6/30/2010	1,756,255	1,963,837	1,824,281	1,798,804	1,803,304	1,806,634	1,808,374	1,808,379	1,818,371	1,818,371	1,818,371
6/30/2011	1,705,171	1,842,397	1,690,155	1,653,532	1,677,652	1,719,676	1,671,402	1,698,902	1,703,902	1,703,902	1,703,902
6/30/2012	1,578,458	1,491,170	1,782,432	1,823,845	1,825,949	1,806,824	1,803,984	1,803,984	1,803,984	1,803,984	
6/30/2013	1,635,445	1,904,705	1,741,686	1,977,867	1,951,867	1,961,387	2,086,487	2,036,387	2,036,387		
6/30/2014	2,259,815	2,303,930	2,232,385	2,171,294	2,126,059	2,101,159	2,150,346	2,150,346			
6/30/2015	1,855,033	1,865,750	1,851,698	1,930,367	1,935,126	1,950,973	1,950,973				
6/30/2016	2,079,265	2,387,818	2,411,947	2,357,900	2,392,466	2,386,052					
6/30/2017	1,672,048	1,841,588	1,894,644	1,808,186	1,799,442						
6/30/2018	2,164,352	2,754,603	2,806,921	3,066,505							
6/30/2019	1,971,611	2,238,467	2,271,084								
6/30/2020	2,593,433	2,920,855									
6/30/2021	1,965,811										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2002	3,479,739	3,473,440	3,473,440	3,473,440	3,473,440	3,473,440	3,473,440	3,473,792	3,473,792
6/30/2003	2,267,537	2,267,537	2,267,537	2,267,537	2,267,537	2,267,537	2,267,537	2,267,537	
6/30/2004	1,962,062	1,957,064	1,957,062	1,957,062	1,957,062	1,957,062	1,957,062		
6/30/2005	1,989,420	1,988,420	1,988,420	1,988,420	1,988,420	1,988,420			
6/30/2006	1,765,093	1,765,093	1,765,093	1,765,093	1,765,093				
6/30/2007	1,904,471	1,904,471	1,904,471	1,904,471					
6/30/2008	2,458,122	2,458,122	2,458,122						
6/30/2009	1,605,356	1,605,356							
6/30/2010	1,818,371								

Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Full Coverage
MINNESOTA
Property Damage - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

Link Ratios											
<u>A.Y.E.</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2002	1.328	0.938	1.048	0.970	1.046	1.022	0.983	1.007	1.017	0.988	0.999
6/30/2003	1.058	1.328	1.024	0.912	1.013	0.983	0.997	1.004	0.993	1.001	0.999
6/30/2004	1.161	1.030	1.035	0.865	0.972	1.001	0.999	1.007	1.000	1.010	0.992
6/30/2005	0.858	0.973	0.988	0.992	1.002	1.037	1.009	0.967	0.995	0.996	1.001
6/30/2006	0.787	1.069	0.990	0.986	1.023	0.976	1.000	1.019	0.982	1.010	1.000
6/30/2007	1.052	1.010	0.917	1.063	1.006	0.991	0.996	1.018	0.995	0.987	1.000
6/30/2008	1.058	1.050	0.980	1.043	1.025	0.982	1.000	1.000	1.000	1.000	1.000
6/30/2009	1.045	1.075	0.954	0.937	1.027	0.974	0.999	1.004	0.999	1.000	1.000
6/30/2010	1.118	0.929	0.986	1.003	1.002	1.001	1.000	1.006	1.000	1.000	1.000
6/30/2011	1.080	0.917	0.978	1.015	1.025	0.972	1.016	1.003	1.000	1.000	
6/30/2012	0.945	1.195	1.023	1.001	0.990	0.998	1.000	1.000	1.000		
6/30/2013	1.165	0.914	1.136	0.987	1.005	1.064	0.976	1.000			
6/30/2014	1.020	0.969	0.973	0.979	0.988	1.023	1.000				
6/30/2015	1.006	0.992	1.042	1.002	1.008	1.000					
6/30/2016	1.148	1.010	0.978	1.015	0.997						
6/30/2017	1.101	1.029	0.954	0.995							
6/30/2018	1.273	1.019	1.092								
6/30/2019	1.135	1.015									
6/30/2020	1.126										
3 Yr Mean	1.178	1.021	1.008	1.004	0.998	1.029	0.992	1.001	1.000	1.000	1.000
Best 3/5	1.136	1.015	0.998	0.995	0.997	1.007	1.000	1.002	1.000	1.000	1.000
	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
6/30/2002	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2004	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2005	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2007	1.000	1.000	1.000								
6/30/2008	1.000	1.000									
6/30/2009	1.000										
3 Yr Mean	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
Best 3/5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	Development From						
					<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2017					0.997	1.007	1.000	1.002	1.000	1.000	1.000
6/30/2018				0.995	0.997	1.007	1.000	1.002	1.000	1.000	1.000
6/30/2019			0.998	0.995	0.997	1.007	1.000	1.002	1.000	1.000	1.000
6/30/2020		1.015	0.998	0.995	0.997	1.007	1.000	1.002	1.000	1.000	1.000
6/30/2021	1.136	1.015	0.998	0.995	0.997	1.007	1.000	1.002	1.000	1.000	1.000
	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>		<u>FACTORS</u>
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.006
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.001
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		0.999
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.014
6/30/2021	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.152

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Premises / Operations (Subline Code 334)
 Manufacturers and Contractors
 Full Coverage
 MINNESOTA
 Property Damage - Occurrence
 Incurred Accident Year ALAE Development

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	109,751	351,267	485,253	779,384	1,221,819	1,410,404	1,496,474	1,553,976	1,668,247	1,870,997	1,895,786
6/30/2003	121,850	330,864	655,537	809,569	849,388	917,536	830,456	821,964	848,243	823,261	830,761
6/30/2004	132,342	318,550	461,919	615,817	716,668	714,517	727,798	739,782	750,409	753,073	753,048
6/30/2005	191,069	186,274	214,535	248,774	265,151	272,373	297,419	326,325	398,855	420,952	414,888
6/30/2006	124,787	248,141	735,530	802,118	850,687	849,296	869,539	870,339	870,339	870,356	883,457
6/30/2007	66,481	63,466	86,900	75,998	91,826	102,550	104,489	109,706	109,706	110,856	111,317
6/30/2008	108,205	185,556	360,042	422,306	571,371	836,266	838,858	838,858	1,005,596	1,042,979	1,042,979
6/30/2009	90,600	267,453	461,306	538,519	540,470	543,506	545,253	545,253	545,255	545,255	545,255
6/30/2010	136,400	260,574	384,452	396,048	396,753	401,024	405,190	405,190	405,190	404,772	404,772
6/30/2011	71,249	197,550	377,605	356,473	429,345	517,851	555,160	627,079	645,624	646,659	646,659
6/30/2012	125,734	275,199	561,820	679,314	711,352	733,815	752,720	753,243	753,243	753,243	
6/30/2013	64,026	269,598	321,725	486,048	665,996	726,845	746,202	747,404	752,862		
6/30/2014	253,448	504,993	788,154	925,691	977,391	1,007,531	1,017,431	1,027,430			
6/30/2015	90,776	193,084	391,719	860,421	1,251,705	1,280,859	1,319,486				
6/30/2016	170,644	184,523	188,218	336,551	433,873	582,201					
6/30/2017	84,291	168,966	216,611	235,576	247,562						
6/30/2018	75,416	246,553	269,867	424,412							
6/30/2019	71,770	197,550	303,686								
6/30/2020	170,275	356,316									
6/30/2021	99,525										

<u>A.Y.E</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2002	1,899,036	1,899,036	1,899,036	1,899,036	1,899,036	1,899,036	1,899,036	1,899,036	1899036
6/30/2003	856,259	856,259	856,259	856,259	856,259	856,259	856,259	856259	
6/30/2004	753,048	764,158	764,158	764,158	764,158	764,158	764158		
6/30/2005	414,888	414,888	414,888	414,888	414,888	414888			
6/30/2006	883,457	883,457	883,457	883,457	883457				
6/30/2007	111,317	111,317	111,317	111317					
6/30/2008	1,042,979	1,042,979	1042979						
6/30/2009	559,755	560785							
6/30/2010	415,772								

Premises / Operations (Subline Code 334)
 Manufacturers and Contractors
 Full Coverage
 MINNESOTA
 Property Damage - Occurrence
 Incurred Accident Year Incremental ALAE Development

	Increments												
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2002	241,516	133,986	294,131	442,435	188,585	86,070	57,502	114,271	202,750	24,789	3,250	0	0
6/30/2003	209,014	324,673	154,032	39,819	68,148	-87,080	-8,492	26,279	-24,982	7,500	25,498	0	0
6/30/2004	186,208	143,369	153,898	100,851	-2,151	13,281	11,984	10,627	2,664	-25	0	11,110	0
6/30/2005	-4,795	28,261	34,239	16,377	7,222	25,046	28,906	72,530	22,097	-6,064	0	0	0
6/30/2006	123,354	487,389	66,588	48,569	-1,391	20,243	800	0	17	13,101	0	0	0
6/30/2007	-3,015	23,434	-10,902	15,828	10,724	1,939	5,217	0	1,150	461	0	0	0
6/30/2008	77,351	174,486	62,264	149,065	264,895	2,592	0	166,738	37,383	0	0	0	0
6/30/2009	176,853	193,853	77,213	1,951	3,036	1,747	0	2	0	0	14,500	1,030	0
6/30/2010	124,174	123,878	11,596	705	4,271	4,166	0	0	-418	0	11,000	0	0
6/30/2011	126,301	180,055	-21,132	72,872	88,506	37,309	71,919	18,545	1,035	0	0	0	0
6/30/2012	149,465	286,621	117,494	32,038	22,463	18,905	523	0	0	0	0	0	0
6/30/2013	205,572	52,127	164,323	179,948	60,849	19,357	1,202	5,458	0	0	0	0	0
6/30/2014	251,545	283,161	137,537	51,700	30,140	9,900	9,999	0	0	0	0	0	0
6/30/2015	102,308	198,635	468,702	391,284	29,154	38,627	0	0	0	0	0	0	0
6/30/2016	13,879	3,695	148,333	97,322	148,328	0	0	0	0	0	0	0	0
6/30/2017	84,675	47,645	18,965	11,986	0	0	0	0	0	0	0	0	0
6/30/2018	171,137	23,314	154,545	0	0	0	0	0	0	0	0	0	0
6/30/2019	125,780	106,136	0	0	0	0	0	0	0	0	0	0	0
6/30/2020	186,041	0	0	0	0	0	0	0	0	0	0	0	0

Incremental Percentages													
A.Y.E.	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135	159:147	171:159
6/30/2002	0.0488	0.0271	0.0594	0.0894	0.0381	0.0174	0.0116	0.0231	0.0410	0.0050	0.0007	0.0000	0.0000
6/30/2003	0.0747	0.1161	0.0551	0.0142	0.0244	-0.0311	-0.0030	0.0094	-0.0089	0.0027	0.0091	0.0000	0.0000
6/30/2004	0.0726	0.0559	0.0600	0.0393	-0.0008	0.0052	0.0047	0.0041	0.0010	0.0000	0.0000	0.0043	0.0000
6/30/2005	-0.0021	0.0124	0.0150	0.0072	0.0032	0.0110	0.0127	0.0318	0.0097	-0.0027	0.0000	0.0000	0.0000
6/30/2006	0.0527	0.2083	0.0285	0.0208	-0.0006	0.0087	0.0003	0.0000	0.0000	0.0056	0.0000	0.0000	0.0000
6/30/2007	-0.0016	0.0121	-0.0056	0.0081	0.0055	0.0010	0.0027	0.0000	0.0006	0.0002	0.0000	0.0000	0.0000
6/30/2008	0.0248	0.0559	0.0199	0.0478	0.0849	0.0008	0.0000	0.0534	0.0120	0.0000	0.0000	0.0000	0.0000
6/30/2009	0.0715	0.0784	0.0312	0.0008	0.0012	0.0007	0.0000	0.0000	0.0000	0.0000	0.0059	0.0004	
6/30/2010	0.0441	0.0440	0.0041	0.0003	0.0015	0.0015	0.0000	0.0000	-0.0001	0.0000	0.0039		
6/30/2011	0.0669	0.0953	-0.0112	0.0386	0.0468	0.0197	0.0381	0.0098	0.0005	0.0000			
6/30/2012	0.0619	0.1187	0.0487	0.0133	0.0093	0.0078	0.0002	0.0000	0.0000				
6/30/2013	0.0626	0.0159	0.0501	0.0548	0.0185	0.0059	0.0004	0.0017					
6/30/2014	0.0719	0.0809	0.0393	0.0148	0.0086	0.0028	0.0029						
6/30/2015	0.0400	0.0776	0.1831	0.1528	0.0114	0.0151							
6/30/2016	0.0043	0.0011	0.0456	0.0299	0.0456								
6/30/2017	0.0396	0.0223	0.0089	0.0056									
6/30/2018	0.0377	0.0051	0.0340										
6/30/2019	0.0380	0.0321											
6/30/2020	0.0403												

Best 3/5	0.0384	0.0198	0.0396	0.0332	0.0131	0.0096	0.0012	0.0006	0.0002	0.0000	0.0013	0.0000	0.0000
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Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Full Coverage
Multistate
Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	53,237,587	91,571,418	123,389,893	135,606,104	135,751,025	132,756,901	130,969,111	130,161,574	130,498,744	130,446,619	130,696,593
6/30/2003	55,896,116	95,820,009	125,235,862	137,009,766	134,918,327	131,109,030	130,231,557	129,255,750	128,782,997	128,537,315	128,305,407
6/30/2004	56,474,615	90,566,073	119,313,400	127,248,565	124,171,754	122,271,652	120,405,540	119,459,195	118,904,422	119,019,112	119,048,289
6/30/2005	52,853,832	83,097,735	107,918,021	114,960,061	112,392,339	109,406,910	107,566,285	107,290,962	107,050,408	107,214,401	107,261,415
6/30/2006	59,056,010	89,795,471	111,764,762	116,563,945	115,197,524	114,297,933	115,033,921	115,049,550	114,205,650	113,797,899	113,268,942
6/30/2007	58,097,534	85,967,159	109,192,581	114,911,138	114,719,807	114,096,921	113,175,680	113,304,998	113,321,109	113,047,757	113,174,576
6/30/2008	63,917,531	95,652,890	122,797,377	130,072,345	129,499,194	128,630,938	128,725,720	127,818,987	127,415,205	127,465,666	127,624,548
6/30/2009	62,865,813	99,236,355	122,541,652	132,810,445	132,301,521	131,752,455	131,138,194	130,723,405	130,329,136	130,153,004	130,472,429
6/30/2010	68,784,966	97,131,654	124,597,401	130,901,212	133,140,849	131,258,429	130,751,083	130,890,813	131,088,226	130,942,101	131,021,382
6/30/2011	67,510,153	104,686,263	130,608,553	143,718,735	141,986,694	140,014,399	139,707,396	139,483,085	139,273,771	138,810,823	138,687,456
6/30/2012	63,150,319	92,907,006	117,566,880	124,620,578	123,738,773	123,478,165	123,317,387	123,312,130	123,456,200	123,279,779	
6/30/2013	53,711,916	88,841,931	108,699,814	115,578,491	118,919,333	118,552,928	118,412,189	118,319,950	118,330,324		
6/30/2014	66,080,679	98,823,410	129,590,834	142,568,783	142,897,398	142,287,043	141,353,732	141,060,349			
6/30/2015	56,615,031	90,200,321	121,264,170	131,488,601	133,105,998	133,449,362	133,071,968				
6/30/2016	50,354,931	83,227,344	112,662,753	123,398,971	125,044,036	126,416,799					
6/30/2017	56,051,462	87,665,912	116,953,745	125,678,599	128,941,476						
6/30/2018	58,375,224	97,945,283	123,982,525	137,271,975							
6/30/2019	59,930,477	96,158,942	122,503,105								
6/30/2020	56,667,823	83,200,599									
6/30/2021	57,316,144										

<u>A.Y.E</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2002	130,406,055	130,497,144	130,300,543	130,223,842	130,240,233	130,230,799	130,390,899	130,389,299	130,283,649
6/30/2003	128,617,000	128,542,069	128,286,457	128,264,380	128,260,883	128,464,482	128,537,449	128,541,032	
6/30/2004	119,244,119	119,224,562	119,293,676	119,288,890	119,389,490	119,441,641	119,406,304		
6/30/2005	107,406,413	107,379,952	107,374,658	107,378,154	107,385,388	107,355,596			
6/30/2006	113,359,438	113,761,313	113,723,712	113,873,922	113,782,255				
6/30/2007	113,054,920	113,218,268	113,359,003	113,261,786					
6/30/2008	127,716,586	127,923,062	127,843,739						
6/30/2009	130,548,082	131,133,535							
6/30/2010	130,942,563								

Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Full Coverage
Multistate
Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

	Link Ratios										
<u>A.Y.E.</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2002	1.720	1.347	1.099	1.001	0.978	0.987	0.994	1.003	1.000	1.002	0.998
6/30/2003	1.714	1.307	1.094	0.985	0.972	0.993	0.993	0.996	0.998	0.998	1.002
6/30/2004	1.604	1.317	1.067	0.976	0.985	0.985	0.992	0.995	1.001	1.000	1.002
6/30/2005	1.572	1.299	1.065	0.978	0.973	0.983	0.997	0.998	1.002	1.000	1.001
6/30/2006	1.521	1.245	1.043	0.988	0.992	1.006	1.000	0.993	0.996	0.995	1.001
6/30/2007	1.480	1.270	1.052	0.998	0.995	0.992	1.001	1.000	0.998	1.001	0.999
6/30/2008	1.497	1.284	1.059	0.996	0.993	1.001	0.993	0.997	1.000	1.001	1.001
6/30/2009	1.579	1.235	1.084	0.996	0.996	0.995	0.997	0.997	0.999	1.002	1.001
6/30/2010	1.412	1.283	1.051	1.017	0.986	0.996	1.001	1.002	0.999	1.001	0.999
6/30/2011	1.551	1.248	1.100	0.988	0.986	0.998	0.998	0.998	0.997	0.999	
6/30/2012	1.471	1.265	1.060	0.993	0.998	0.999	1.000	1.001	0.999		
6/30/2013	1.654	1.224	1.063	1.029	0.997	0.999	0.999	1.000			
6/30/2014	1.495	1.311	1.100	1.002	0.996	0.993	0.998				
6/30/2015	1.593	1.344	1.084	1.012	1.003	0.997					
6/30/2016	1.653	1.354	1.095	1.013	1.011						
6/30/2017	1.564	1.334	1.075	1.026							
6/30/2018	1.678	1.266	1.107								
6/30/2019	1.605	1.274									
6/30/2020	1.468										
3 Yr Mean	1.584	1.291	1.092	1.017	1.003	0.996	0.999	1.000	0.998	1.001	1.000
Best 3/5	1.607	1.317	1.093	1.017	0.999	0.998	0.999	1.000	0.999	1.001	1.000
<u>A.Y.E.</u>	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
6/30/2002	1.001	0.998	0.999	1.000	1.000	1.001	1.000	0.999			
6/30/2003	0.999	0.998	1.000	1.000	1.002	1.001	1.000	1.000			
6/30/2004	1.000	1.001	1.000	1.001	1.000	1.000	1.000	1.000			
6/30/2005	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2006	1.004	1.000	1.001	0.999	1.000	1.000	1.000	1.000			
6/30/2007	1.001	1.001	0.999								
6/30/2008	1.002	0.999									
6/30/2009	1.004										
3 Yr Mean	1.002	1.000	1.000	1.000	1.001	1.001	1.000	0.999			
Best 3/5	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2017					0.999	0.998	0.999	1.000	0.999	1.001	1.000
6/30/2018				1.017	0.999	0.998	0.999	1.000	0.999	1.001	1.000
6/30/2019			1.093	1.017	0.999	0.998	0.999	1.000	0.999	1.001	1.000
6/30/2020		1.317	1.093	1.017	0.999	0.998	0.999	1.000	0.999	1.001	1.000
6/30/2021	1.607	1.317	1.093	1.017	0.999	0.998	0.999	1.000	0.999	1.001	1.000
<u>A.Y.E</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>		<u>FACTORS</u>
6/30/2017	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		0.998
6/30/2018	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.015
6/30/2019	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.109
6/30/2020	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.461
6/30/2021	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		2.348

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Deductible
Multistate
Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	5,124,022	10,301,544	13,993,853	15,453,140	15,268,271	15,684,356	15,014,325	15,314,045	15,066,174	15,252,783	15,115,076
6/30/2003	7,094,825	10,630,815	14,106,506	16,303,758	16,878,751	15,817,218	15,730,108	15,387,390	15,376,332	15,091,481	15,549,245
6/30/2004	6,595,498	11,585,297	15,076,730	16,830,645	15,638,439	16,048,045	14,896,673	15,158,044	14,743,115	14,912,153	14,768,153
6/30/2005	7,080,404	12,558,687	15,354,962	15,403,682	16,104,769	15,571,079	15,205,952	14,971,551	14,689,742	14,435,981	14,491,089
6/30/2006	9,191,744	13,700,958	18,219,860	19,813,949	18,673,240	18,441,413	18,489,105	18,346,350	18,336,803	18,151,397	18,396,325
6/30/2007	9,328,791	13,897,655	16,707,576	19,124,088	18,576,381	18,613,241	18,258,377	18,540,417	18,681,147	18,778,572	18,767,137
6/30/2008	11,136,210	14,800,036	18,610,592	20,356,143	20,553,165	19,537,939	19,979,572	19,798,236	19,876,300	19,901,636	19,809,146
6/30/2009	6,985,102	13,607,796	16,062,251	16,885,035	17,868,062	17,547,209	17,711,614	17,443,214	17,601,275	17,727,962	17,893,687
6/30/2010	10,537,629	14,203,471	17,006,581	18,812,133	19,413,422	19,911,444	19,592,446	19,275,806	19,301,729	19,174,729	19,070,849
6/30/2011	10,512,495	15,266,559	18,965,099	20,536,888	20,429,360	20,502,915	20,469,717	20,245,866	20,299,753	20,272,654	20,272,653
6/30/2012	8,606,024	15,309,998	19,923,992	21,112,643	21,356,642	21,326,814	21,529,787	21,461,125	21,610,794	21,506,299	
6/30/2013	8,761,851	15,145,161	17,214,564	19,248,318	19,457,395	19,490,698	19,301,324	19,202,485	19,160,634		
6/30/2014	11,628,227	17,837,465	21,659,918	25,493,203	25,928,600	26,173,424	26,138,463	26,243,371			
6/30/2015	9,140,644	16,368,437	22,878,490	26,456,103	26,717,015	27,180,216	26,632,357				
6/30/2016	9,620,886	15,605,945	22,451,300	24,777,944	24,911,954	24,405,673					
6/30/2017	10,515,493	16,447,159	22,237,928	25,806,854	25,709,846						
6/30/2018	12,808,197	21,288,167	29,101,707	31,982,243							
6/30/2019	10,099,234	18,057,230	23,638,837								
6/30/2020	7,970,411	12,725,303									
6/30/2021	7,895,053										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2002	15,696,739	15,745,209	15,745,209	15,737,108	15,809,108	15,809,108	15,806,108	15,806,108	15,806,108
6/30/2003	15,731,745	15,626,382	15,627,882	15,626,382	15,626,382	15,626,382	15,620,183	15,620,183	
6/30/2004	14,759,735	14,828,235	14,753,235	14,789,735	14,789,735	14,789,735	14,789,735		
6/30/2005	14,456,262	14,430,629	14,508,129	14,508,129	14,508,129	14,508,129			
6/30/2006	18,461,327	18,402,025	18,402,026	18,407,776	18,407,775				
6/30/2007	19,034,152	19,030,101	19,028,752	19,028,752					
6/30/2008	19,718,646	19,718,730	19,726,063						
6/30/2009	17,750,287	17,757,620							
6/30/2010	19,163,400								

Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Deductible
Multistate
Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

	Link Ratios										
<u>A.Y.E.</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2002	2.010	1.358	1.104	0.988	1.027	0.957	1.020	0.984	1.012	0.991	1.038
6/30/2003	1.498	1.327	1.156	1.035	0.937	0.994	0.978	0.999	0.981	1.030	1.012
6/30/2004	1.757	1.301	1.116	0.929	1.026	0.928	1.018	0.973	1.011	0.990	0.999
6/30/2005	1.774	1.223	1.003	1.046	0.967	0.977	0.985	0.981	0.983	1.004	0.998
6/30/2006	1.491	1.330	1.087	0.942	0.988	1.003	0.992	0.999	0.990	1.013	1.004
6/30/2007	1.490	1.202	1.145	0.971	1.002	0.981	1.015	1.008	1.005	0.999	1.014
6/30/2008	1.329	1.257	1.094	1.010	0.951	1.023	0.991	1.004	1.001	0.995	0.995
6/30/2009	1.948	1.180	1.051	1.058	0.982	1.009	0.985	1.009	1.007	1.009	0.992
6/30/2010	1.348	1.197	1.106	1.032	1.026	0.984	0.984	1.001	0.993	0.995	1.005
6/30/2011	1.452	1.242	1.083	0.995	1.004	0.998	0.989	1.003	0.999	1.000	
6/30/2012	1.779	1.301	1.060	1.012	0.999	1.010	0.997	1.007	0.995		
6/30/2013	1.729	1.137	1.118	1.011	1.002	0.990	0.995	0.998			
6/30/2014	1.534	1.214	1.177	1.017	1.009	0.999	1.004				
6/30/2015	1.791	1.398	1.156	1.010	1.017	0.980					
6/30/2016	1.622	1.439	1.104	1.005	0.980						
6/30/2017	1.564	1.352	1.160	0.996							
6/30/2018	1.662	1.367	1.099								
6/30/2019	1.788	1.309									
6/30/2020	1.597										
3 Yr Mean	1.682	1.343	1.121	1.004	1.002	0.990	0.999	1.003	0.996	1.001	0.997
Best 3/5	1.627	1.372	1.140	1.009	1.003	0.996	0.994	1.004	0.998	0.998	1.001
<u>A.Y.E.</u>	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
6/30/2002	1.003	1.000	0.999	1.005	1.000	1.000	1.000	1.000			
6/30/2003	0.993	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2004	1.005	0.995	1.002	1.000	1.000	1.000	1.000	1.000			
6/30/2005	0.998	1.005	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2006	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2007	1.000	1.000	1.000								
6/30/2008	1.000	1.000									
6/30/2009	1.000										
3 Yr Mean	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
Best 3/5	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	Development From						
6/30/2017					<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2018				1.009	1.003	0.996	0.994	1.004	0.998	0.998	1.001
6/30/2019			1.140	1.009	1.003	0.996	0.994	1.004	0.998	0.998	1.001
6/30/2020		1.372	1.140	1.009	1.003	0.996	0.994	1.004	0.998	0.998	1.001
6/30/2021	1.627	1.372	1.140	1.009	1.003	0.996	0.994	1.004	0.998	0.998	1.001
<u>A.Y.E</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>	
6/30/2017	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.993	
6/30/2018	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.002	
6/30/2019	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.142	
6/30/2020	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.567	
6/30/2021	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	2.550	

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Full Coverage
Multistate
Bodily Injury - Occurrence
Incurred Accident Year ALAE Development

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	9,146,718	23,295,323	46,526,941	66,194,098	77,536,579	82,102,151	88,447,115	89,757,383	91,266,762	92,789,891	92,783,460
6/30/2003	8,425,994	24,355,226	45,610,209	63,978,532	73,411,782	80,308,026	82,746,272	83,777,844	84,823,917	85,464,068	85,554,185
6/30/2004	7,210,844	19,281,772	39,745,524	56,672,358	65,767,588	73,200,953	74,496,243	76,029,697	76,423,557	77,018,926	77,293,958
6/30/2005	7,812,496	20,387,535	37,271,802	51,735,535	61,302,364	64,955,676	66,755,847	67,832,517	69,512,712	69,772,268	70,037,396
6/30/2006	6,537,180	20,891,642	41,143,008	56,392,186	67,402,717	72,554,061	77,796,958	80,631,418	81,506,402	83,373,915	83,558,099
6/30/2007	7,412,764	20,553,641	39,679,216	54,307,098	62,382,043	66,706,186	68,818,592	69,952,333	70,304,950	70,901,599	70,970,192
6/30/2008	8,074,558	21,555,341	45,216,064	65,567,466	78,872,876	84,635,453	89,317,808	90,587,299	91,486,611	92,150,438	92,582,423
6/30/2009	8,212,427	22,555,231	43,822,457	63,799,085	75,245,345	84,542,511	86,768,752	87,818,056	88,421,495	88,910,110	90,050,430
6/30/2010	9,246,428	23,735,187	50,977,809	77,232,096	89,219,733	94,550,363	96,582,817	98,749,138	99,372,208	99,616,951	100,131,197
6/30/2011	9,765,111	31,239,958	54,418,214	77,135,780	88,996,730	101,740,175	103,088,579	104,285,999	105,144,450	105,078,080	105,098,257
6/30/2012	10,191,556	25,684,950	49,738,917	70,498,634	84,421,847	89,621,484	94,873,227	95,935,889	96,859,727	97,952,936	
6/30/2013	9,617,150	26,418,212	49,588,106	71,000,091	82,994,862	89,661,369	92,318,061	92,970,882	94,337,745		
6/30/2014	11,194,267	28,174,967	57,339,490	81,893,796	93,342,401	100,558,073	103,221,817	104,355,023			
6/30/2015	11,668,425	26,368,003	52,722,494	73,184,733	83,568,502	89,226,207	92,249,467				
6/30/2016	9,920,908	27,860,290	49,837,559	71,886,869	85,969,172	94,375,787					
6/30/2017	10,743,836	28,320,684	54,287,498	71,494,951	87,802,598						
6/30/2018	10,631,628	29,008,943	55,305,779	77,401,006							
6/30/2019	10,523,079	29,775,222	58,113,091								
6/30/2020	11,392,186	27,260,541									
6/30/2021	9,545,452										
	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>		
6/30/2002	92,968,971	93,498,692	93,709,773	93,791,370	93,844,480	93,978,730	94,120,322	94,129,562	94,008,960		
6/30/2003	85,835,216	86,319,177	86,442,136	86,626,908	86,653,356	86,711,493	86,776,952	86,828,829			
6/30/2004	77,315,699	77,273,649	77,317,543	76,921,028	76,922,493	76,921,576	76,922,555				
6/30/2005	70,172,803	70,738,623	70,860,207	71,109,729	71,307,510	71,340,559					
6/30/2006	84,243,937	84,564,946	84,131,936	84,182,702	84,163,985						
6/30/2007	71,123,154	71,124,062	71,279,435	71,223,359							
6/30/2008	92,537,302	93,194,758	93,551,099								
6/30/2009	90,107,279	90,237,691									
6/30/2010	99,962,433										

Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Full Coverage
Multistate
Bodily Injury - Occurrence
Incurred Accident Year Incremental ALAE Development

A.Y.E.	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135	159:147	171:159
6/30/2002	14,148,605	23,231,618	19,667,157	11,342,481	4,565,572	6,344,964	1,310,268	1,509,379	1,523,129	-6,431	185,511	529,721	211,081
6/30/2003	15,929,232	21,254,983	18,368,323	9,433,250	6,896,244	2,438,246	1,031,572	1,046,073	640,151	90,117	281,031	483,961	122,959
6/30/2004	12,070,928	20,463,752	16,926,834	9,095,230	7,433,365	1,295,290	1,533,454	393,860	595,369	275,032	21,741	-42,050	43,894
6/30/2005	12,575,039	16,884,267	14,463,733	9,566,829	3,653,312	1,800,171	1,076,670	1,680,195	259,556	265,128	135,407	565,820	121,584
6/30/2006	14,354,462	20,251,366	15,249,178	11,010,531	5,151,344	5,242,897	2,834,460	874,984	1,867,513	184,184	685,838	321,009	-433,010
6/30/2007	13,140,877	19,125,575	14,627,882	8,074,945	4,324,143	2,112,406	1,133,741	352,617	596,649	68,593	152,962	908	155,373
6/30/2008	13,480,783	23,660,723	20,351,402	13,305,410	5,762,577	4,682,355	1,269,491	899,312	663,827	431,985	-45,121	657,456	356,341
6/30/2009	14,342,804	21,267,226	19,976,628	11,446,260	9,297,166	2,226,241	1,049,304	603,439	488,615	1,140,320	56,849	130,412	
6/30/2010	14,488,759	27,242,622	26,254,287	11,987,637	5,330,630	2,032,454	2,166,321	623,070	244,743	514,246	-168,764		
6/30/2011	21,474,847	23,178,256	22,717,566	11,860,950	12,743,445	1,348,404	1,197,420	858,451	-66,370	20,177			
6/30/2012	15,493,394	24,053,967	20,759,717	13,923,213	5,199,637	5,251,743	1,062,662	923,838	1,093,209				
6/30/2013	16,801,062	23,169,894	21,411,985	11,994,771	6,666,507	2,656,692	652,821	1,366,863					
6/30/2014	16,980,700	29,164,523	24,554,306	11,448,605	7,215,672	2,663,744	1,133,206						
6/30/2015	14,699,578	26,354,491	20,462,239	10,383,769	5,657,705	3,023,260							
6/30/2016	17,939,382	21,977,269	22,049,310	14,082,303	8,406,615								
6/30/2017	17,576,848	25,966,814	17,207,453	16,307,647									
6/30/2018	18,377,315	26,296,836	22,095,227										
6/30/2019	19,252,143	28,337,869											
6/30/2020	15,868,355												

A.Y.E.	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135	159:147	171:159
6/30/2002	0.0595	0.0976	0.0827	0.0477	0.0192	0.0267	0.0055	0.0063	0.0064	0.0000	0.0008	0.0022	0.0009
6/30/2003	0.0656	0.0875	0.0756	0.0388	0.0284	0.0100	0.0042	0.0043	0.0026	0.0004	0.0012	0.0020	0.0005
6/30/2004	0.0546	0.0926	0.0766	0.0412	0.0337	0.0059	0.0069	0.0018	0.0027	0.0012	0.0001	-0.0002	0.0002
6/30/2005	0.0639	0.0858	0.0735	0.0486	0.0186	0.0091	0.0055	0.0085	0.0013	0.0013	0.0007	0.0029	0.0006
6/30/2006	0.0670	0.0945	0.0711	0.0514	0.0240	0.0245	0.0132	0.0041	0.0087	0.0009	0.0032	0.0015	-0.0020
6/30/2007	0.0596	0.0868	0.0664	0.0366	0.0196	0.0096	0.0051	0.0016	0.0027	0.0003	0.0007	0.0000	0.0007
6/30/2008	0.0527	0.0926	0.0796	0.0520	0.0225	0.0183	0.0050	0.0035	0.0026	0.0017	-0.0002	0.0026	0.0014
6/30/2009	0.0568	0.0843	0.0792	0.0454	0.0368	0.0088	0.0042	0.0024	0.0019	0.0045	0.0002	0.0005	
6/30/2010	0.0600	0.1129	0.1088	0.0497	0.0221	0.0084	0.0090	0.0026	0.0010	0.0021	-0.0007		
6/30/2011	0.0813	0.0878	0.0860	0.0449	0.0483	0.0051	0.0045	0.0033	-0.0003	0.0001			
6/30/2012	0.0638	0.0991	0.0855	0.0574	0.0214	0.0216	0.0044	0.0038	0.0045				
6/30/2013	0.0699	0.0964	0.0891	0.0499	0.0277	0.0111	0.0027	0.0057					
6/30/2014	0.0601	0.1032	0.0869	0.0405	0.0255	0.0094	0.0040						
6/30/2015	0.0561	0.1005	0.0781	0.0396	0.0216	0.0115							
6/30/2016	0.0695	0.0851	0.0854	0.0545	0.0325								
6/30/2017	0.0648	0.0957	0.0634	0.0601									
6/30/2018	0.0661	0.0946	0.0795										
6/30/2019	0.0691	0.1017											
6/30/2020	0.0590												

Best 3/5	0.0667	0.0969	0.0810	0.0483	0.0249	0.0107	0.0043	0.0032	0.0018	0.0014	0.0002	0.0015	0.0005
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Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Full Coverage
Multistate
Property Damage - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	100,706,374	115,359,060	120,649,141	122,823,767	122,848,693	123,958,876	123,722,737	123,721,310	123,664,684	124,267,239	124,689,971
6/30/2003	88,177,265	98,253,963	103,127,582	104,527,109	103,982,561	104,451,530	104,837,646	105,773,360	105,930,845	106,083,455	106,443,067
6/30/2004	91,121,865	103,458,484	107,890,977	108,585,374	109,150,885	109,523,515	109,476,320	109,860,867	110,163,349	110,377,073	110,641,526
6/30/2005	95,865,792	102,057,333	103,004,560	105,050,281	105,554,169	105,527,407	105,743,465	106,663,059	107,089,895	107,521,084	107,710,126
6/30/2006	98,801,651	106,195,797	108,068,394	109,487,897	111,199,564	112,103,099	112,569,249	113,168,032	112,993,480	113,562,510	113,430,965
6/30/2007	100,913,223	110,173,190	112,530,538	113,885,615	115,637,806	116,642,170	117,691,375	118,207,058	119,315,551	119,579,494	119,584,022
6/30/2008	108,462,014	116,915,959	119,059,424	120,499,226	122,843,832	123,603,838	124,357,226	125,137,933	125,578,335	126,069,152	126,810,986
6/30/2009	105,817,448	113,225,686	117,526,504	120,303,123	120,221,674	120,824,510	121,068,477	121,682,955	123,108,574	123,573,209	123,738,883
6/30/2010	99,398,851	107,812,246	110,586,082	112,697,036	114,130,966	114,132,736	115,051,821	115,114,108	115,473,095	115,385,573	115,773,098
6/30/2011	110,218,407	119,349,485	122,332,615	122,701,744	123,675,336	124,441,292	125,266,297	126,035,426	126,360,738	126,617,764	126,649,770
6/30/2012	112,562,262	120,330,926	123,321,240	124,445,355	125,537,821	126,280,761	126,918,447	127,451,859	127,893,367	128,350,889	
6/30/2013	104,103,974	114,168,445	118,813,328	120,639,949	121,635,109	122,226,410	123,102,248	123,865,833	124,494,697		
6/30/2014	102,522,118	111,889,294	117,193,973	119,219,413	120,686,126	121,785,217	123,090,467	123,427,121			
6/30/2015	101,129,615	112,042,270	119,063,583	123,286,638	124,314,104	126,145,390	126,595,605				
6/30/2016	104,036,696	117,646,641	122,366,041	125,179,659	127,168,796	129,187,596					
6/30/2017	109,138,313	121,912,014	128,254,631	130,868,008	133,195,563						
6/30/2018	113,739,709	128,544,057	134,396,325	137,090,587							
6/30/2019	112,923,371	128,141,397	133,638,164								
6/30/2020	109,576,115	119,768,973									
6/30/2021	103,799,585										

<u>A.Y.E</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2002	124,630,214	124,869,829	125,350,073	125,679,677	125,757,704	125,780,448	126,075,678	125,981,232	125,835,462
6/30/2003	107,015,788	107,085,512	107,296,329	107,385,718	107,504,347	107,599,536	107,614,001	107,646,735	
6/30/2004	110,904,632	110,929,783	111,248,685	111,415,557	111,431,633	111,789,408	111,821,492		
6/30/2005	107,768,065	108,132,674	108,144,531	108,123,614	107,987,650	107,974,614			
6/30/2006	113,519,400	114,271,502	114,275,744	114,163,580	114,410,648				
6/30/2007	119,728,354	119,760,976	119,668,937	119,887,693					
6/30/2008	127,139,030	127,196,265	127,276,899						
6/30/2009	124,068,711	124,195,511							
6/30/2010	115,871,787								

Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Full Coverage
Multistate
Property Damage - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

	Link Ratios										
<u>A.Y.E.</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2002	1.145	1.046	1.018	1.000	1.009	0.998	1.000	1.000	1.005	1.003	1.000
6/30/2003	1.114	1.050	1.014	0.995	1.005	1.004	1.009	1.001	1.001	1.003	1.005
6/30/2004	1.135	1.043	1.006	1.005	1.003	1.000	1.004	1.003	1.002	1.002	1.002
6/30/2005	1.065	1.009	1.020	1.005	1.000	1.002	1.009	1.004	1.004	1.002	1.001
6/30/2006	1.075	1.018	1.013	1.016	1.008	1.004	1.005	0.998	1.005	0.999	1.001
6/30/2007	1.092	1.021	1.012	1.015	1.009	1.009	1.004	1.009	1.002	1.000	1.001
6/30/2008	1.078	1.018	1.012	1.019	1.006	1.006	1.006	1.004	1.004	1.006	1.003
6/30/2009	1.070	1.038	1.024	0.999	1.005	1.002	1.005	1.012	1.004	1.001	1.003
6/30/2010	1.085	1.026	1.019	1.013	1.000	1.008	1.001	1.003	0.999	1.003	1.001
6/30/2011	1.083	1.025	1.003	1.008	1.006	1.007	1.006	1.003	1.002	1.000	
6/30/2012	1.069	1.025	1.009	1.009	1.006	1.005	1.004	1.003	1.004		
6/30/2013	1.097	1.041	1.015	1.008	1.005	1.007	1.006	1.005			
6/30/2014	1.091	1.047	1.017	1.012	1.009	1.011	1.003				
6/30/2015	1.108	1.063	1.035	1.008	1.015	1.004					
6/30/2016	1.131	1.040	1.023	1.016	1.016						
6/30/2017	1.117	1.052	1.020	1.018							
6/30/2018	1.130	1.046	1.020								
6/30/2019	1.135	1.043									
6/30/2020	1.093										
3 Yr Mean	1.119	1.047	1.021	1.014	1.013	1.007	1.004	1.004	1.002	1.001	1.002
Best 3/5	1.126	1.047	1.021	1.012	1.010	1.006	1.004	1.004	1.003	1.001	1.002
	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
6/30/2002	1.002	1.004	1.003	1.001	1.000	1.002	0.999	0.999			
6/30/2003	1.001	1.002	1.001	1.001	1.001	1.000	1.000	1.000			
6/30/2004	1.000	1.003	1.001	1.000	1.003	1.000	1.000	1.000			
6/30/2005	1.003	1.000	1.000	0.999	1.000	1.000	1.000	1.000			
6/30/2006	1.007	1.000	0.999	1.002	1.001	1.000	1.000	1.000			
6/30/2007	1.000	0.999	1.002								
6/30/2008	1.000	1.001									
6/30/2009	1.001										
3 Yr Mean	1.000	1.000	1.000	1.000	1.001	1.001	1.000	0.999			
Best 3/5	1.001	1.000	1.001	1.001	1.001	1.000	1.000	1.000			
	Development From										
<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2017					1.010	1.006	1.004	1.004	1.003	1.001	1.002
6/30/2018				1.012	1.010	1.006	1.004	1.004	1.003	1.001	1.002
6/30/2019			1.021	1.012	1.010	1.006	1.004	1.004	1.003	1.001	1.002
6/30/2020		1.047	1.021	1.012	1.010	1.006	1.004	1.004	1.003	1.001	1.002
6/30/2021	1.126	1.047	1.021	1.012	1.010	1.006	1.004	1.004	1.003	1.001	1.002
	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>	
6/30/2017	1.001	1.000	1.001	1.001	1.001	1.000	1.000	1.000	1.000		1.034
6/30/2018	1.001	1.000	1.001	1.001	1.001	1.000	1.000	1.000	1.000		1.047
6/30/2019	1.001	1.000	1.001	1.001	1.001	1.000	1.000	1.000	1.000		1.069
6/30/2020	1.001	1.000	1.001	1.001	1.001	1.000	1.000	1.000	1.000		1.119
6/30/2021	1.001	1.000	1.001	1.001	1.001	1.000	1.000	1.000	1.000		1.260

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Deductible
Multistate
Property Damage - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	19,359,270	24,034,117	24,025,915	23,971,728	24,138,680	25,282,237	25,280,374	26,035,779	26,014,591	26,081,903	26,077,042
6/30/2003	19,486,610	21,045,336	20,747,750	21,778,628	22,681,055	22,460,334	22,791,652	23,002,747	23,202,345	23,404,106	23,436,181
6/30/2004	19,109,677	21,846,380	23,527,684	23,598,398	23,606,199	24,085,513	24,156,530	24,114,264	24,043,120	24,040,893	24,005,510
6/30/2005	20,408,564	23,019,217	24,171,248	24,450,936	24,443,925	24,169,865	24,254,253	24,266,696	24,215,147	24,065,755	24,101,417
6/30/2006	20,245,412	23,419,383	24,173,763	24,489,006	24,093,536	24,227,824	24,340,621	24,399,663	24,338,824	24,684,967	24,622,890
6/30/2007	23,604,169	24,845,757	26,011,017	25,775,299	25,600,039	25,437,260	25,749,918	25,596,667	25,501,901	25,625,571	25,623,581
6/30/2008	24,290,743	27,153,948	28,192,592	28,914,909	28,138,740	28,380,569	28,395,316	28,455,404	28,820,645	28,931,179	28,963,580
6/30/2009	25,621,555	25,608,335	26,592,549	26,711,518	26,523,212	26,654,271	26,346,191	26,505,728	26,583,378	26,706,972	26,723,190
6/30/2010	21,310,870	22,830,832	23,408,756	23,734,649	23,842,300	23,864,045	24,351,422	24,321,665	24,551,041	24,552,405	24,580,841
6/30/2011	22,256,758	22,929,890	23,903,915	23,487,668	23,590,649	23,903,949	24,040,492	24,465,560	24,226,096	24,293,303	24,252,328
6/30/2012	21,630,555	23,382,076	23,927,922	24,265,223	24,209,461	24,417,627	24,484,221	24,573,940	24,644,189	24,599,511	
6/30/2013	19,990,172	22,408,366	23,186,330	23,225,008	22,826,021	22,761,015	22,923,440	22,976,658	23,036,242		
6/30/2014	22,827,583	24,677,026	25,412,653	25,765,455	26,041,676	26,308,579	26,317,111	26,556,312			
6/30/2015	25,361,932	27,643,003	28,827,436	29,393,662	29,559,416	29,440,127	29,784,119				
6/30/2016	25,625,594	27,507,170	28,676,193	28,154,027	28,652,563	28,939,092					
6/30/2017	23,864,789	27,328,220	29,558,754	30,080,415	30,753,413						
6/30/2018	26,431,862	28,521,085	30,830,372	31,998,630							
6/30/2019	24,161,079	28,710,115	30,437,430								
6/30/2020	20,212,291	22,244,917									
6/30/2021	16,507,743										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2002	26,263,107	26,304,636	26,140,220	26,003,803	25,996,493	25,908,732	25,896,045	25,896,044	25,921,044
6/30/2003	23,483,872	23,447,855	23,390,867	23,484,244	23,443,673	23,450,947	23,450,447	23,470,946	
6/30/2004	24,012,025	23,992,025	24,009,064	23,996,204	24,002,257	24,002,258	24,002,257		
6/30/2005	24,017,881	24,082,800	24,163,480	24,047,322	24,021,324	24,018,498			
6/30/2006	24,744,394	24,659,744	24,659,544	24,696,046	24,675,828				
6/30/2007	25,656,571	25,660,199	25,713,317	25,742,692					
6/30/2008	29,020,882	29,141,284	29,008,330						
6/30/2009	26,756,163	26,880,052							
6/30/2010	24,748,375								

Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Deductible
Multistate
Property Damage - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

	Link Ratios										
<u>A.Y.E.</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2002	1.241	1.000	0.998	1.007	1.047	1.000	1.030	0.999	1.003	1.000	1.007
6/30/2003	1.080	0.986	1.050	1.041	0.990	1.015	1.009	1.009	1.009	1.001	1.002
6/30/2004	1.143	1.077	1.003	1.000	1.020	1.003	0.998	0.997	1.000	0.999	1.000
6/30/2005	1.128	1.050	1.012	1.000	0.989	1.003	1.001	0.998	0.994	1.001	0.997
6/30/2006	1.157	1.032	1.013	0.984	1.006	1.005	1.002	0.998	1.014	0.997	1.005
6/30/2007	1.053	1.047	0.991	0.993	0.994	1.012	0.994	0.996	1.005	1.000	1.001
6/30/2008	1.118	1.038	1.026	0.973	1.009	1.001	1.002	1.013	1.004	1.001	1.002
6/30/2009	0.999	1.038	1.004	0.993	1.005	0.988	1.006	1.003	1.005	1.001	1.001
6/30/2010	1.071	1.025	1.014	1.005	1.001	1.020	0.999	1.009	1.000	1.001	1.007
6/30/2011	1.030	1.042	0.983	1.004	1.013	1.006	1.018	0.990	1.003	0.998	
6/30/2012	1.081	1.023	1.014	0.998	1.009	1.003	1.004	1.003			
6/30/2013	1.121	1.035	1.002	0.983	0.997	1.007	1.002	1.003			
6/30/2014	1.081	1.030	1.014	1.011	1.010	1.000	1.009				
6/30/2015	1.090	1.043	1.020	1.006	0.996	1.012					
6/30/2016	1.073	1.042	0.982	1.018	1.010						
6/30/2017	1.145	1.082	1.018	1.022							
6/30/2018	1.079	1.081	1.038								
6/30/2019	1.188	1.060									
6/30/2020	1.101										
3 Yr Mean	1.123	1.074	1.013	1.015	1.005	1.006	1.005	0.999	1.000	1.000	1.003
Best 3/5	1.108	1.061	1.017	1.012	1.005	1.005	1.005	1.003	1.002	1.001	1.003
<u>A.Y.E.</u>	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
6/30/2002	1.002	0.994	0.995	1.000	0.997	1.000	1.000	1.001			
6/30/2003	0.998	0.998	1.004	0.998	1.000	1.000	1.001	1.000			
6/30/2004	0.999	1.001	0.999	1.000	1.000	1.000	1.000	1.000			
6/30/2005	1.003	1.003	0.995	0.999	1.000	1.000	1.000	1.000			
6/30/2006	0.997	1.000	1.001	0.999	0.999	1.000	1.000	1.000			
6/30/2007	1.000	1.002	1.001								
6/30/2008	1.004	0.995									
6/30/2009	1.005										
3 Yr Mean	1.003	0.999	0.999	0.999	1.000	1.000	1.001	1.001			
Best 3/5	1.002	1.001	1.000	0.999	1.000	1.000	1.000	1.000			
<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	Development From						
6/30/2017					<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2018				1.012	1.005	1.005	1.005	1.003	1.002	1.001	1.003
6/30/2019			1.017	1.012	1.005	1.005	1.005	1.003	1.002	1.001	1.003
6/30/2020		1.061	1.017	1.012	1.005	1.005	1.005	1.003	1.002	1.001	1.003
6/30/2021	1.108	1.061	1.017	1.012	1.005	1.005	1.005	1.003	1.002	1.001	1.003
<u>A.Y.E</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>	
6/30/2017	1.002	1.001	1.000	0.999	1.000	1.000	1.000	1.000	1.000		1.026
6/30/2018	1.002	1.001	1.000	0.999	1.000	1.000	1.000	1.000	1.000		1.039
6/30/2019	1.002	1.001	1.000	0.999	1.000	1.000	1.000	1.000	1.000		1.056
6/30/2020	1.002	1.001	1.000	0.999	1.000	1.000	1.000	1.000	1.000		1.121
6/30/2021	1.002	1.001	1.000	0.999	1.000	1.000	1.000	1.000	1.000		1.242

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Full Coverage
Multistate
Property Damage - Occurrence
Incurred Accident Year ALAE Development

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	7,353,469	14,729,530	21,231,785	28,826,935	34,881,459	39,696,974	42,225,225	43,452,977	44,999,553	45,383,930	45,939,459
6/30/2003	7,184,525	14,338,437	22,910,768	30,156,418	35,240,112	36,350,990	40,458,710	40,837,417	41,761,106	42,738,432	43,900,270
6/30/2004	6,716,394	13,249,691	21,348,125	28,938,031	32,692,247	35,440,747	36,407,937	37,665,379	38,739,985	39,332,216	39,861,189
6/30/2005	7,555,710	12,746,707	18,968,533	25,796,757	30,656,012	33,629,384	35,781,335	37,147,682	38,434,631	39,007,005	39,439,270
6/30/2006	7,615,808	13,989,028	21,845,592	28,141,587	34,121,651	38,068,662	40,363,868	42,320,529	43,772,066	44,673,167	45,351,871
6/30/2007	7,290,002	13,462,376	20,506,324	27,196,984	32,198,181	35,738,948	38,059,111	39,684,622	41,290,575	42,010,460	43,807,536
6/30/2008	7,874,344	15,380,246	24,361,563	31,638,210	37,331,974	39,201,517	41,018,774	43,869,873	45,860,265	46,458,207	47,412,949
6/30/2009	7,733,203	14,509,360	21,982,193	28,977,392	33,881,084	35,957,099	37,736,963	39,216,486	40,274,746	41,325,511	41,966,616
6/30/2010	8,157,461	17,465,802	21,618,450	29,246,972	33,518,505	35,232,606	38,202,013	39,238,321	40,642,534	41,190,553	41,554,409
6/30/2011	8,390,288	14,596,318	22,047,908	27,038,314	30,294,554	32,873,926	35,111,680	36,457,601	38,272,770	38,884,026	39,373,858
6/30/2012	9,783,364	16,185,737	22,255,648	25,210,845	29,110,976	31,116,376	31,999,204	33,138,163	34,239,939	34,898,341	
6/30/2013	10,614,139	18,218,930	27,536,970	38,025,251	42,751,808	45,671,887	47,156,247	48,889,927	49,500,162		
6/30/2014	9,535,808	19,070,350	29,837,298	35,460,814	41,709,688	44,483,515	46,774,276	47,558,490			
6/30/2015	8,194,101	16,340,831	23,867,659	31,151,648	40,268,851	45,203,686	47,628,671				
6/30/2016	12,894,912	61,499,755	68,876,373	75,254,418	81,089,047	85,878,005					
6/30/2017	10,020,852	16,449,640	24,371,431	30,473,546	36,055,566						
6/30/2018	10,039,040	19,025,070	27,587,679	35,566,188							
6/30/2019	10,730,721	18,812,619	27,890,448								
6/30/2020	12,728,929	23,010,293									
6/30/2021	8,554,476										
	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>		
6/30/2002	46,486,447	46,696,813	47,689,805	47,944,789	47,984,431	48,300,395	49,002,754	49,245,519	49,272,503		
6/30/2003	44,878,863	45,977,133	46,220,710	46,706,616	47,083,927	47,273,010	47,736,045	47,825,688			
6/30/2004	40,259,316	40,584,004	42,076,963	42,580,723	43,337,828	44,224,879	44,353,463				
6/30/2005	39,737,515	40,711,662	41,027,266	41,063,902	41,311,337	40,701,150					
6/30/2006	46,324,596	47,284,797	47,825,655	48,187,528	48,485,110						
6/30/2007	43,850,739	44,167,246	44,099,552	44,205,414							
6/30/2008	48,337,396	48,751,860	48,884,749								
6/30/2009	42,578,206	42,876,876									
6/30/2010	42,398,821										

Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Full Coverage
Multistate
Property Damage - Occurrence
Incurred Accident Year Incremental ALAE Development

		Increments											
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2002	7,376,061	6,502,255	7,595,150	6,054,524	4,815,515	2,528,251	1,227,752	1,546,576	384,377	555,529	546,988	210,366	992,992
6/30/2003	7,153,912	8,572,331	7,245,650	5,083,694	1,110,878	4,107,720	378,707	923,689	977,326	1,161,838	978,593	1,098,270	243,577
6/30/2004	6,533,297	8,098,434	7,589,906	3,754,216	2,748,500	967,190	1,257,442	1,074,606	592,231	528,973	398,127	324,688	1,492,959
6/30/2005	5,190,997	6,221,826	6,828,224	4,859,255	2,973,372	2,151,951	1,366,347	1,286,949	572,374	432,265	298,245	974,147	315,604
6/30/2006	6,373,220	7,856,564	6,295,995	5,980,064	3,947,011	2,295,206	1,956,661	1,451,537	901,101	678,704	972,725	960,201	540,858
6/30/2007	6,172,374	7,043,948	6,690,660	5,001,197	3,540,767	2,320,163	1,625,511	1,605,953	719,885	1,797,076	43,203	316,507	-67,694
6/30/2008	7,505,902	8,981,317	7,276,647	5,693,764	1,869,543	1,817,257	2,851,099	1,990,392	597,942	954,742	924,447	414,464	132,889
6/30/2009	6,776,157	7,472,833	6,995,199	4,903,692	2,076,015	1,779,864	1,479,523	1,058,260	1,050,765	641,105	611,590	298,670	
6/30/2010	9,308,341	4,152,648	7,628,522	4,271,533	1,714,101	2,969,407	1,036,308	1,404,213	548,019	363,856	844,412		
6/30/2011	6,206,030	7,451,590	4,990,406	3,256,240	2,579,372	2,237,754	1,345,921	1,815,169	611,256	489,832			
6/30/2012	6,402,373	6,069,911	2,955,197	3,900,131	2,005,400	882,828	1,138,959	1,101,776	658,402				
6/30/2013	7,604,791	9,318,040	10,488,281	4,726,557	2,920,079	1,484,360	1,733,680	610,235					
6/30/2014	9,534,542	10,766,948	5,623,516	6,248,874	2,773,827	2,290,761	784,214						
6/30/2015	8,146,730	7,526,828	7,283,989	9,117,203	4,934,835	2,424,985							
6/30/2016	48,604,843	7,376,618	6,378,045	5,834,629	4,788,958								
6/30/2017	6,428,788	7,921,791	6,102,115	5,582,020									
6/30/2018	8,986,030	8,562,609	7,978,509										
6/30/2019	8,081,898	9,077,829											
6/30/2020	10,281,364												

		Incremental Percentages											
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2002	0.0450	0.0397	0.0464	0.0369	0.0294	0.0154	0.0075	0.0094	0.0023	0.0034	0.0033	0.0013	0.0061
6/30/2003	0.0513	0.0615	0.0520	0.0365	0.0080	0.0295	0.0027	0.0066	0.0070	0.0083	0.0070	0.0079	0.0017
6/30/2004	0.0451	0.0559	0.0524	0.0259	0.0190	0.0067	0.0087	0.0074	0.0041	0.0037	0.0027	0.0022	0.0103
6/30/2005	0.0376	0.0451	0.0495	0.0352	0.0215	0.0156	0.0099	0.0093	0.0041	0.0031	0.0022	0.0071	0.0023
6/30/2006	0.0435	0.0536	0.0430	0.0408	0.0269	0.0157	0.0134	0.0099	0.0061	0.0046	0.0066	0.0066	0.0037
6/30/2007	0.0416	0.0474	0.0451	0.0337	0.0238	0.0156	0.0109	0.0108	0.0048	0.0121	0.0003	0.0021	-0.0005
6/30/2008	0.0450	0.0539	0.0436	0.0341	0.0112	0.0109	0.0171	0.0119	0.0036	0.0057	0.0055	0.0025	0.0008
6/30/2009	0.0419	0.0462	0.0432	0.0303	0.0128	0.0110	0.0091	0.0065	0.0065	0.0040	0.0038	0.0018	
6/30/2010	0.0613	0.0273	0.0502	0.0281	0.0113	0.0196	0.0068	0.0092	0.0036	0.0024	0.0056		
6/30/2011	0.0371	0.0445	0.0298	0.0194	0.0154	0.0134	0.0080	0.0108	0.0037	0.0029			
6/30/2012	0.0389	0.0369	0.0180	0.0237	0.0122	0.0054	0.0069	0.0067	0.0040				
6/30/2013	0.0452	0.0554	0.0623	0.0281	0.0174	0.0088	0.0103	0.0036					
6/30/2014	0.0556	0.0628	0.0328	0.0364	0.0162	0.0134	0.0046						
6/30/2015	0.0468	0.0432	0.0418	0.0524	0.0283	0.0139							
6/30/2016	0.2684	0.0407	0.0352	0.0322	0.0264								
6/30/2017	0.0342	0.0422	0.0325	0.0297									
6/30/2018	0.0438	0.0417	0.0389										
6/30/2019	0.0400	0.0449											
6/30/2020	0.0547												

Best 3/5	0.0462	0.0424	0.0356	0.0328	0.0200	0.0119	0.0072	0.0075	0.0038	0.0042	0.0050	0.0037	0.0023
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Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Full Coverage
Multistate
Fringe Coverage - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	20,031,173	27,582,322	30,845,007	32,538,262	32,542,492	32,456,322	32,194,305	31,949,232	31,671,793	31,380,532	31,291,683
6/30/2003	18,965,911	24,302,004	29,320,200	30,698,253	29,685,650	30,355,593	29,333,719	29,740,072	29,850,562	29,606,600	29,646,112
6/30/2004	16,127,607	22,480,114	27,183,709	27,917,083	28,132,073	26,410,066	25,731,559	25,738,855	25,653,416	25,913,283	25,678,447
6/30/2005	16,820,610	21,611,226	24,354,469	25,556,005	24,876,380	24,734,575	24,789,158	24,977,836	25,076,286	24,951,604	25,000,164
6/30/2006	19,317,471	24,684,745	26,760,427	26,059,281	26,066,015	25,952,894	25,921,560	25,913,778	25,544,048	25,855,794	25,831,921
6/30/2007	17,623,416	21,208,294	23,615,447	24,215,919	23,406,853	23,190,721	23,018,337	23,340,681	23,076,233	23,055,073	22,983,904
6/30/2008	15,446,768	18,177,261	19,845,938	20,049,864	20,204,647	19,714,344	19,467,974	19,637,503	19,666,506	19,614,264	19,798,598
6/30/2009	13,489,270	17,605,341	19,485,128	19,757,991	19,939,013	19,929,832	19,555,315	19,358,186	19,181,708	19,194,396	19,149,592
6/30/2010	13,413,990	15,716,382	16,644,824	16,657,049	16,012,796	16,062,263	16,168,808	16,115,536	16,177,072	16,269,419	16,368,168
6/30/2011	12,154,574	13,748,427	14,865,760	13,673,087	13,865,725	13,946,109	14,276,972	14,192,821	14,247,746	14,310,367	14,292,034
6/30/2012	5,564,321	6,840,944	7,424,361	8,331,907	7,968,701	8,318,151	8,449,464	8,673,327	8,652,517	8,621,543	
6/30/2013	6,098,047	7,169,946	7,615,380	8,189,744	8,571,153	8,725,261	8,621,058	8,707,610	8,805,086		
6/30/2014	5,488,950	8,220,536	9,527,313	9,938,518	9,914,158	9,982,322	9,880,868	9,950,421			
6/30/2015	7,198,602	9,780,831	10,266,489	11,565,574	11,533,424	11,456,187	11,402,207				
6/30/2016	6,662,613	8,183,801	9,125,370	9,165,568	9,525,701	9,483,017					
6/30/2017	5,847,946	8,075,296	9,071,889	9,473,340	9,825,855						
6/30/2018	7,800,570	9,392,655	11,439,743	12,116,219							
6/30/2019	5,698,475	6,568,241	6,864,813								
6/30/2020	5,150,826	6,661,430									
6/30/2021	6,467,990										

<u>A.Y.E</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2002	31,319,301	31,267,121	31,296,471	31,297,546	31,284,792	31,284,792	31,284,792	31,492,624	31,541,124
6/30/2003	29,522,849	29,415,053	29,515,053	29,525,554	29,525,553	29,625,553	29,839,114	29,838,840	
6/30/2004	25,750,091	25,766,743	25,749,091	25,749,094	25,759,091	26,031,953	26,056,203		
6/30/2005	24,868,339	24,805,945	24,800,945	24,800,770	24,825,070	24,924,230			
6/30/2006	25,684,031	25,572,865	25,668,419	25,848,091	25,742,875				
6/30/2007	22,979,654	23,003,907	23,140,411	23,140,400					
6/30/2008	19,807,395	19,859,490	19,809,490						
6/30/2009	19,299,593	19,301,986							
6/30/2010	16,390,766								

Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Full Coverage
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Fringe Coverage - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

Link Ratios											
<u>A.Y.E.</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2002	1.377	1.118	1.055	1.000	0.997	0.992	0.992	0.991	0.991	0.997	1.001
6/30/2003	1.281	1.206	1.047	0.967	1.023	0.966	1.014	1.004	0.992	1.001	0.996
6/30/2004	1.394	1.209	1.027	1.008	0.939	0.974	1.000	0.997	1.010	0.991	1.003
6/30/2005	1.285	1.127	1.049	0.973	0.994	1.002	1.008	1.004	0.995	1.002	0.995
6/30/2006	1.278	1.084	0.974	1.000	0.996	0.999	1.000	0.986	1.012	0.999	0.994
6/30/2007	1.203	1.114	1.025	0.967	0.991	0.993	1.014	0.989	0.999	0.997	1.000
6/30/2008	1.177	1.092	1.010	1.008	0.976	0.988	1.009	1.001	0.997	1.009	1.000
6/30/2009	1.305	1.107	1.014	1.009	1.000	0.981	0.990	0.991	1.001	0.998	1.008
6/30/2010	1.172	1.059	1.001	0.961	1.003	1.007	0.997	1.004	1.006	1.006	1.001
6/30/2011	1.131	1.081	0.920	1.014	1.006	1.024	0.994	1.004	1.004	0.999	
6/30/2012	1.229	1.085	1.122	0.956	1.044	1.016	1.026	0.998	0.996		
6/30/2013	1.176	1.062	1.075	1.047	1.018	0.988	1.010	1.011			
6/30/2014	1.498	1.159	1.043	0.998	1.007	0.990	1.007				
6/30/2015	1.359	1.050	1.127	0.997	0.993	0.995					
6/30/2016	1.228	1.115	1.004	1.039	0.996						
6/30/2017	1.381	1.123	1.044	1.037							
6/30/2018	1.204	1.218	1.059								
6/30/2019	1.153	1.045									
6/30/2020	1.293										
3 Yr Mean	1.217	1.129	1.036	1.024	0.999	0.991	1.014	1.004	1.002	1.001	1.003
Best 3/5	1.242	1.096	1.049	1.025	1.007	1.000	1.005	1.002	1.001	1.001	1.000
	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
6/30/2002	0.998	1.001	1.000	1.000	1.000	1.000	1.007	1.002			
6/30/2003	0.996	1.003	1.000	1.000	1.003	1.007	1.000	1.001			
6/30/2004	1.001	0.999	1.000	1.000	1.011	1.001	1.002	1.001			
6/30/2005	0.997	1.000	1.000	1.001	1.004	1.002	1.002	1.001			
6/30/2006	0.996	1.004	1.007	0.996	1.000	1.002	1.002	1.001			
6/30/2007	1.001	1.006	1.000								
6/30/2008	1.003	0.997									
6/30/2009	1.000										
3 Yr Mean	1.001	1.002	1.002	0.999	<i>1.006</i>	<i>1.003</i>	<i>1.004</i>	<i>1.002</i>			
Best 3/5	0.999	1.001	1.000	1.000	1.002	1.002	1.002	1.001			
	Development From										
<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2017					1.007	1.000	1.005	1.002	1.001	1.001	1.000
6/30/2018				1.025	1.007	1.000	1.005	1.002	1.001	1.001	1.000
6/30/2019			1.049	1.025	1.007	1.000	1.005	1.002	1.001	1.001	1.000
6/30/2020		1.096	1.049	1.025	1.007	1.000	1.005	1.002	1.001	1.001	1.000
6/30/2021	1.242	1.096	1.049	1.025	1.007	1.000	1.005	1.002	1.001	1.001	1.000
	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	FACTORS	
6/30/2017	0.999	1.001	1.000	1.000	1.002	1.002	1.002	1.001	1.005		1.028
6/30/2018	0.999	1.001	1.000	1.000	1.002	1.002	1.002	1.001	1.005		1.054
6/30/2019	0.999	1.001	1.000	1.000	1.002	1.002	1.002	1.001	1.005		1.106
6/30/2020	0.999	1.001	1.000	1.000	1.002	1.002	1.002	1.001	1.005		1.212
6/30/2021	0.999	1.001	1.000	1.000	1.002	1.002	1.002	1.001	1.005		1.505

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Full Coverage
Multistate
Fringe Coverage - Occurrence
Incurred Accident Year ALAE Development

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	4,626,226	8,883,196	13,389,817	14,977,242	16,886,483	18,324,383	20,249,720	19,948,838	20,119,645	20,091,384	20,151,398
6/30/2003	2,493,177	5,106,970	10,088,893	14,827,155	16,102,316	18,638,932	18,320,546	19,087,719	19,956,174	20,421,261	20,635,240
6/30/2004	3,506,923	6,705,403	11,440,684	17,415,763	26,670,110	28,894,162	25,059,632	25,617,718	26,710,185	26,818,397	28,124,998
6/30/2005	2,853,854	7,496,513	13,141,682	17,193,484	18,997,326	21,135,786	22,100,374	22,349,325	22,825,750	24,042,678	24,080,794
6/30/2006	3,739,788	6,796,585	12,878,899	16,684,429	19,301,411	21,222,553	21,351,100	21,857,083	22,045,143	21,918,220	22,182,378
6/30/2007	4,701,453	6,749,197	9,921,433	12,750,075	15,118,318	16,524,906	17,104,591	18,006,474	18,218,778	18,205,194	17,762,420
6/30/2008	3,353,879	8,045,966	13,326,813	15,738,771	17,282,398	18,582,397	18,913,551	19,755,620	20,038,941	20,125,733	20,173,641
6/30/2009	5,226,877	7,964,431	12,320,036	16,249,491	18,539,345	20,975,502	21,454,721	21,611,943	22,489,869	23,083,555	22,948,840
6/30/2010	3,335,068	6,655,440	9,979,330	12,487,231	14,179,162	14,561,707	15,106,955	15,190,269	15,583,308	15,709,987	15,799,522
6/30/2011	2,970,061	5,576,289	12,435,051	16,398,684	19,909,793	20,642,026	22,905,808	22,658,127	22,879,690	22,910,786	22,915,469
6/30/2012	1,073,232	3,970,559	6,989,279	10,440,056	10,737,601	12,035,792	12,844,001	12,791,190	12,877,960	12,438,310	
6/30/2013	1,955,266	3,905,220	7,945,882	9,520,262	10,915,288	11,293,723	12,071,589	12,923,206	13,483,242		
6/30/2014	2,078,305	5,178,246	12,260,825	14,146,249	22,986,407	23,322,581	24,207,658	26,333,996			
6/30/2015	2,726,013	5,117,768	8,440,727	11,944,998	12,629,387	12,896,597	13,070,461				
6/30/2016	1,812,609	5,885,834	8,209,472	11,154,826	12,569,480	13,463,729					
6/30/2017	1,069,869	3,177,902	4,785,732	7,312,612	9,376,567						
6/30/2018	3,520,366	6,019,318	7,552,525	9,369,710							
6/30/2019	1,098,293	1,706,987	3,051,375								
6/30/2020	778,794	2,800,876									
6/30/2021	629,117										
	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>		
6/30/2002	20,231,418	20,275,238	20,416,283	20,472,580	20,481,292	20,479,580	20,479,580	20,479,580	20,479,580		
6/30/2003	21,043,291	21,072,446	21,072,446	21,086,951	21,086,957	21,292,942	21,292,942	21,292,942			
6/30/2004	27,866,218	27,966,561	28,567,350	28,567,350	28,571,292	28,574,018	28,566,186				
6/30/2005	24,149,081	24,168,408	24,175,746	24,203,297	24,203,745	24,224,792					
6/30/2006	22,749,635	22,148,137	22,286,314	22,400,934	22,066,661						
6/30/2007	17,765,563	17,869,747	17,923,671	17,923,671							
6/30/2008	20,185,937	20,363,349	20,360,164								
6/30/2009	22,967,664	22,973,294									
6/30/2010	15,880,156										

Premises / Operations (Subline Code 334)
Manufacturers and Contractors
Full Coverage
Multistate
Fringe Coverage - Occurrence
Incurred Accident Year Incremental ALAE Development

Increments													
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2002	4,256,970	4,506,621	1,587,425	1,909,241	1,437,900	1,925,337	-300,882	170,807	-28,261	60,014	80,020	43,820	141,045
6/30/2003	2,613,793	4,981,923	4,738,262	1,275,161	2,536,616	-318,386	767,173	868,455	465,087	213,979	408,051	29,155	0
6/30/2004	3,198,480	4,735,281	5,975,079	9,254,347	2,224,052	-3,834,530	558,086	1,092,467	108,212	1,306,601	-258,780	100,343	600,789
6/30/2005	4,642,659	5,645,169	4,051,802	1,803,842	2,138,460	964,588	248,951	476,425	1,216,928	38,116	68,287	19,327	7,338
6/30/2006	3,056,797	6,082,314	3,805,530	2,616,982	1,921,142	128,547	505,983	188,060	-126,923	264,158	567,257	-601,498	138,177
6/30/2007	2,047,744	3,172,236	2,828,642	2,368,243	1,406,588	579,685	901,883	212,304	-13,584	-442,774	3,143	104,184	53,924
6/30/2008	4,692,087	5,280,847	2,411,958	1,543,627	1,299,999	331,154	842,069	283,321	86,792	47,908	12,296	177,412	-3,185
6/30/2009	2,737,554	4,355,605	3,929,455	2,289,854	2,436,157	479,219	157,222	877,926	593,686	-134,715	18,824	5,630	
6/30/2010	3,320,372	3,323,890	2,507,901	1,691,931	382,545	545,248	83,314	393,039	126,679	89,535	80,634		
6/30/2011	2,606,228	6,858,762	3,963,633	3,511,109	732,233	2,263,782	-247,681	221,563	31,096	4,683			
6/30/2012	2,897,327	3,018,720	3,450,777	297,545	1,298,191	808,209	-52,811	86,770	-439,650				
6/30/2013	1,949,954	4,040,662	1,574,380	1,395,026	378,435	777,866	851,617	560,036					
6/30/2014	3,099,941	7,082,579	1,885,424	8,840,158	336,174	885,077	2,126,338						
6/30/2015	2,391,755	3,322,959	3,504,271	684,389	267,210	173,864							
6/30/2016	4,073,225	2,323,638	2,945,354	1,414,654	894,249								
6/30/2017	2,108,033	1,607,830	2,526,880	2,063,955									
6/30/2018	2,498,952	1,533,207	1,817,185										
6/30/2019	608,694	1,344,388											
6/30/2020	2,022,082												

Incremental Percentages													
A.Y.E.	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135	159:147	171:159
6/30/2002	0.0921	0.0975	0.0343	0.0413	0.0311	0.0417	-0.0065	0.0037	-0.0006	0.0013	0.0017	0.0009	0.0031
6/30/2003	0.0573	0.1092	0.1039	0.0280	0.0556	-0.0070	0.0168	0.0190	0.0102	0.0047	0.0089	0.0006	0.0000
6/30/2004	0.0781	0.1156	0.1459	0.2260	0.0543	-0.0936	0.0136	0.0267	0.0026	0.0319	-0.0063	0.0025	0.0147
6/30/2005	0.1174	0.1428	0.1025	0.0456	0.0541	0.0244	0.0063	0.0121	0.0308	0.0010	0.0017	0.0005	0.0002
6/30/2006	0.0691	0.1375	0.0860	0.0592	0.0434	0.0029	0.0114	0.0043	-0.0029	0.0060	0.0128	-0.0136	0.0031
6/30/2007	0.0524	0.0812	0.0724	0.0606	0.0360	0.0148	0.0231	0.0054	-0.0003	-0.0113	0.0001	0.0027	0.0014
6/30/2008	0.1531	0.1723	0.0787	0.0504	0.0424	0.0108	0.0275	0.0092	0.0028	0.0016	0.0004	0.0058	-0.0001
6/30/2009	0.0809	0.1288	0.1162	0.0677	0.0720	0.0142	0.0046	0.0260	0.0176	-0.0040	0.0006	0.0002	
6/30/2010	0.1397	0.1398	0.1055	0.0712	0.0161	0.0229	0.0035	0.0165	0.0053	0.0038	0.0034		
6/30/2011	0.1106	0.2910	0.1682	0.1490	0.0311	0.0960	-0.0105	0.0094	0.0013	0.0002			
6/30/2012	0.1892	0.1971	0.2253	0.0194	0.0848	0.0528	-0.0034	0.0057	-0.0287				
6/30/2013	0.1426	0.2954	0.1151	0.1020	0.0277	0.0569	0.0623	0.0409					
6/30/2014	0.1802	0.4117	0.1096	0.5138	0.0195	0.0514	0.1236						
6/30/2015	0.1071	0.1488	0.1569	0.0306	0.0120	0.0078							
6/30/2016	0.2162	0.1233	0.1563	0.0751	0.0475								
6/30/2017	0.1298	0.0990	0.1556	0.1271									
6/30/2018	0.1163	0.0713	0.0845										
6/30/2019	0.0514	0.1134											
6/30/2020	0.1250												

Best 3/5	0.1237	0.1119	0.1405	0.1014	0.0316	0.0537	0.0208	0.0173	0.0031	-0.0007	0.0015	0.0011	0.0016
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MINNESOTA

Premises/Operations

Owners, Landlords and Tenants
 Bodily Injury
 Full Coverage
 Incurred Losses Excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
Evaluation Period	Multistate Ratio (A)	State Ratio (B)	Credibility (C)	Weighted Ratio (D)	Credibility Constant (Ki)
15 to 27 Months	1.425	1.066	0.8749	1.111	1,800,000
27 to 39 Months	1.202	0.957	0.8705	0.989	2,200,000
39 to 51 Months	1.070	0.964	0.8229	0.983	2,700,000
51 to 63 Months	1.008	0.964	0.7570	0.975	3,300,000
63 to 75 Months	0.998	1.000	0.7194	0.999	4,000,000
75 to 87 Months	0.996	0.993	0.6948	0.994	4,900,000
87 to 99 Months	0.997	0.983	0.6575	0.988	6,000,000
99 to 111 Months	0.999	0.996	0.5895	0.997	7,300,000
111 to 123 Months	0.999	1.000	0.5258	1.000	9,000,000
123 to 135 Months	1.000	1.000	0.4942	1.000	11,000,000
135 to 147 Months	1.000	1.000	0.4455	1.000	13,400,000
147 to 159 Months	1.000	1.000	0.3886	1.000	16,400,000
159 to 171 Months	1.001	1.000	0.3126	1.001	20,100,000
171 to 183 Months	1.001	1.000	0.2424	1.001	24,700,000
183 to 195 Months	1.000	1.000	0.2042	1.000	30,300,000
195 to 207 Months	1.000	1.000	0.1595	1.000	37,200,000
207 to 219 Months	1.000	1.000	0.1437	1.000	45,700,000
219 to 231 Months	1.001	1.000	0.0774	1.001	56,300,000
231 to 243 Months	1.000	1.000	0.0379	1.000	69,300,000
243 to Ultimate	The Multistate ratio has been used.				

Accident Year		Loss Development From									
Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2019			0.983	0.975	0.999	0.994	0.988	0.997	1.000	1.000	1.000
6/30/2020		0.989	0.983	0.975	0.999	0.994	0.988	0.997	1.000	1.000	1.000
6/30/2021	1.111	0.989	0.983	0.975	0.999	0.994	0.988	0.997	1.000	1.000	1.000
	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>ULT:243</u>		<u>Factor</u>
6/30/2019	1.000	1.001	1.001	1.000	1.000	1.000	1.001	1.000	1.000		0.939
6/30/2020	1.000	1.001	1.001	1.000	1.000	1.000	1.001	1.000	1.000		0.929
6/30/2021	1.000	1.001	1.001	1.000	1.000	1.000	1.001	1.000	1.000		1.031

(A) See Exhibit C5 - Multistate Loss Development.

(B) See Exhibit C5 - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

(D) $\{(3) \times (4)\} + \{(2) \times \{1.000 - (4)\}\}$

MINNESOTA

Premises/Operations

Owners, Landlords and Tenants

Bodily Injury

Full and Deductible Coverage

ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)	(3)	(4)	(5)	
Evaluation Period	Multistate Ratio (A)	State Ratio (B)	Credibility (C)	Weighted Ratio (D)	Credibility Constant (Ki)
15 to 27 Months	0.0586	0.0339	0.8749	0.0370	1,800,000
27 to 39 Months	0.0749	0.0373	0.8705	0.0422	2,200,000
39 to 51 Months	0.0548	0.0221	0.8229	0.0279	2,700,000
51 to 63 Months	0.0276	0.0100	0.7570	0.0143	3,300,000
63 to 75 Months	0.0132	0.0117	0.7194	0.0121	4,000,000
75 to 87 Months	0.0058	0.0129	0.6948	0.0107	4,900,000
87 to 99 Months	0.0025	0.0011	0.6575	0.0016	6,000,000
99 to 111 Months	0.0017	0.0003	0.5895	0.0009	7,300,000
111 to 123 Months	0.0015	0.0000	0.5258	0.0007	9,000,000
123 to 135 Months	0.0012	0.0000	0.4942	0.0006	11,000,000
135 to 147 Months	0.0010	0.0000	0.4455	0.0006	13,400,000
147 to 159 Months	0.0007	0.0021	0.3886	0.0012	16,400,000
159 to 171 Months	0.0007	0.0000	0.3126	0.0005	20,100,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.150	0.113	0.071	0.043	0.029	0.017	0.006
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.005	0.004	0.003	0.002	0.002	0.001	0.000

Full coverage

A.Y.E	Reported ALAE as of 12/31/2021	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2019	988,911	8,110,848	0.071	576,681	1,565,592
9/30/2020	545,221	6,064,921	0.113	687,156	1,232,377
9/30/2021	210,502	7,559,933	0.150	1,136,258	1,346,760

Deductible Coverage

A.Y.E	Reported ALAE as of 12/31/2021	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2019	135,339	328,866	0.071	23,382	158,721
9/30/2020	7,689	527,850	0.113	59,805	67,494
9/30/2021	25,479	479,740	0.150	72,105	97,584

(A) See Exhibit C5 - Multistate Loss Development.

(B) See Exhibit C5 - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

(D) $\{(3) \times (4)\} + \{(2) \times \{1.000 - (4)\}\}$

MINNESOTA

Premises/Operations

Owners, Landlords and Tenants
 Property Damage
 Full Coverage
 Incurred Losses Excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
Evaluation Period	Multistate Ratio (A)	State Ratio (B)	Credibility (C)	Weighted Ratio (D)	Credibility Constant (Ki)
15 to 27 Months	1.147	1.006	0.6123	1.061	1,400,000
27 to 39 Months	1.073	1.022	0.6112	1.042	1,600,000
39 to 51 Months	1.040	1.080	0.5670	1.063	1,800,000
51 to 63 Months	1.019	0.997	0.5512	1.007	2,000,000
63 to 75 Months	1.002	0.986	0.4538	0.995	2,300,000
75 to 87 Months	1.011	1.023	0.4092	1.016	2,700,000
87 to 99 Months	1.002	1.000	0.3771	1.001	3,000,000
99 to 111 Months	1.005	1.000	0.2994	1.004	3,500,000
111 to 123 Months	1.004	1.000	0.2719	1.003	3,900,000
123 to 135 Months	1.002	1.000	0.2555	1.001	4,400,000
135 to 147 Months	1.002	0.970	0.1938	0.996	5,100,000
147 to 159 Months	0.999	1.000	0.1445	0.999	5,800,000
159 to 171 Months	1.001	1.000	0.1093	1.001	6,600,000
171 to 183 Months	1.001	1.000	0.1076	1.001	7,500,000
183 to 195 Months	1.001	1.000	0.1082	1.001	8,600,000
195 to 207 Months	1.002	1.000	0.1240	1.002	9,700,000
207 to 219 Months	1.001	1.000	0.1221	1.001	11,100,000
219 to 231 Months	1.001	1.000	0.0714	1.001	12,700,000
231 to 243 Months	1.001	1.000	0.0305	1.001	14,500,000
243 to Ultimate	The Multistate ratio has been used.				

Accident Year		Loss Development From									
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2019			1.063	1.007	0.995	1.016	1.001	1.004	1.003	1.001	0.996
6/30/2020		1.042	1.063	1.007	0.995	1.016	1.001	1.004	1.003	1.001	0.996
6/30/2021	1.061	1.042	1.063	1.007	0.995	1.016	1.001	1.004	1.003	1.001	0.996
	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
6/30/2019	0.999	1.001	1.001	1.001	1.002	1.001	1.001	1.001	1.004		1.098
6/30/2020	0.999	1.001	1.001	1.001	1.002	1.001	1.001	1.001	1.004		1.144
6/30/2021	0.999	1.001	1.001	1.001	1.002	1.001	1.001	1.001	1.004		1.213

(A) See Exhibit C5 - Multistate Loss Development.

(B) See Exhibit C5 - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

(D) $\{(3) \times (4)\} + \{(2) \times \{1.000 - (4)\}\}$

MINNESOTA

Premises/Operations

Owners, Landlords and Tenants

Property Damage

Full and Deductible Coverage

ALAE

Calculation of Cumulative Incremental Factors

	(1)	(2)	(3)	(4)	(5)	
	Evaluation Period	Multistate Ratio (A)	State Ratio (B)	Credibility (C)	Weighted Ratio (D)	Credibility Constant (Ki)
	15 to 27 Months	0.0715	0.0503	0.6123	0.0585	1,400,000
	27 to 39 Months	0.0828	0.0749	0.6112	0.0780	1,600,000
	39 to 51 Months	0.0633	0.1118	0.5670	0.0908	1,800,000
	51 to 63 Months	0.0310	-0.0005	0.5512	0.0136	2,000,000
	63 to 75 Months	0.0252	-0.0064	0.4538	0.0109	2,300,000
	75 to 87 Months	0.0101	0.0027	0.4092	0.0071	2,700,000
	87 to 99 Months	0.0181	0.0000	0.3771	0.0113	3,000,000
	99 to 111 Months	0.0148	0.0000	0.2994	0.0104	3,500,000
	111 to 123 Months	0.0138	0.0000	0.2719	0.0100	3,900,000
	123 to 135 Months	0.0071	0.0000	0.2555	0.0053	4,400,000
	135 to 147 Months	0.0065	0.0000	0.1938	0.0052	5,100,000
	147 to 159 Months	0.0035	0.0000	0.1445	0.0030	5,800,000
	159 to 171 Months	0.0030	0.0000	0.1093	0.0027	6,600,000
	171 to Ultimate	A multistate ratio of 0.0000 has been used.				
Cumulative Incremental Factors						
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>
	0.307	0.248	0.170	0.080	0.066	0.055
						<u>87</u>
						0.048
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>
	0.037	0.026	0.016	0.011	0.006	0.003
						<u>171</u>
						0.000
<u>Full coverage</u>						
	Reported ALAE	\$500,000		ALAE	Additional	Ultimate
A.Y.E	as of 12/31/2021	Ultimate Indemnity		Factor	ALAE	ALAE
9/30/2019	70,478	1,551,106		0.170	264,153	334,631
9/30/2020	127,805	1,023,620		0.248	254,165	381,970
9/30/2021	100,339	1,089,555		0.307	334,275	434,614
<u>Deductible Coverage</u>						
	Reported ALAE	\$500,000		ALAE	Additional	Ultimate
A.Y.E	as of 12/31/2021	Ultimate Indemnity		Factor	ALAE	ALAE
9/30/2019	2,285	64,794		0.170	11,034	13,319
9/30/2020	701	83,301		0.248	20,684	21,385
9/30/2021	0	23,402		0.307	7,180	7,180

(A) See Exhibit C5 - Multistate Loss Development.

(B) See Exhibit C5 - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

(D) $\{(3) \times (4)\} + \{(2) \times \{1.000 - (4)\}\}$

MINNESOTA

Premises/Operations

Owners, Landlords and Tenants

Fringe

Full Coverage

ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
Evaluation Period	Multistate Ratio (A)
15 to 27 Months	0.1843
27 to 39 Months	0.1734
39 to 51 Months	0.0904
51 to 63 Months	0.1208
63 to 75 Months	0.1174
75 to 87 Months	0.0915
87 to 99 Months	0.0500
99 to 111 Months	0.0238
111 to 123 Months	0.0110
123 to 135 Months	0.0214
135 to 147 Months	0.0036
147 to 159 Months	0.0107
159 to 171 Months	0.0025
171 to Ultimate	A multistate ratio of 0.0000 has been used.

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.901	0.717	0.543	0.453	0.332	0.215	0.123
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.073	0.049	0.038	0.017	0.013	0.003	0.000

Full coverage

<u>A.Y.E</u>	<u>Reported ALAE as of 12/31/2021</u>	<u>\$500,000 Ultimate Indemnity</u>	<u>ALAE Factor</u>	<u>Additional ALAE</u>	<u>Ultimate ALAE</u>
9/30/2019	25,956	637,513	0.543	346,233	372,189
9/30/2020	107,443	307,507	0.717	220,329	327,772
9/30/2021	176,437	4,820	0.901	4,342	180,779

(A) See Exhibit C5 - Multistate Loss Development.

Note : Fringe Incremental ALAE Factors are calculated using multistate data.

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 MINNESOTA
 Bodily Injury - Occurrence
 Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :											
<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	2,678,502	2,590,508	2,713,510	2,820,559	2,697,650	2,817,733	2,707,358	2,709,859	2,709,859	2,724,859	2,744,759
6/30/2003	2,771,155	2,183,771	2,494,819	2,053,511	2,110,109	2,048,010	2,017,010	2,002,010	2,000,687	2,000,687	2,000,687
6/30/2004	2,577,080	3,001,108	3,383,567	3,219,695	3,215,287	3,059,103	2,942,103	2,942,103	2,942,103	2,945,642	2,945,642
6/30/2005	2,983,252	2,782,815	2,864,043	2,389,012	2,348,927	2,283,677	2,223,698	2,139,846	2,111,178	2,111,177	2,111,177
6/30/2006	3,475,964	3,265,423	2,909,740	3,276,551	3,251,530	3,152,130	3,039,523	2,812,612	2,813,612	2,817,613	2,817,612
6/30/2007	3,716,468	3,547,294	3,339,944	3,219,827	3,161,856	3,075,136	3,182,636	3,122,636	3,135,986	3,075,986	3,075,986
6/30/2008	4,090,218	3,953,691	3,758,409	3,707,193	3,635,398	3,315,267	3,216,998	3,276,047	3,245,681	3,245,681	3,245,681
6/30/2009	4,951,251	5,172,198	4,930,714	4,097,971	4,113,033	4,120,693	4,206,157	4,143,881	4,100,105	4,100,105	4,100,105
6/30/2010	4,343,476	3,868,292	3,789,576	3,643,717	3,462,639	3,392,068	3,441,068	3,416,626	3,418,438	3,418,438	3,418,438
6/30/2011	5,135,464	4,275,420	4,042,381	3,685,191	3,437,592	3,454,322	3,257,322	3,227,975	3,227,975	3,227,975	3,227,975
6/30/2012	3,986,528	3,338,943	3,569,871	3,412,653	3,501,102	3,459,998	3,433,498	3,333,498	3,333,498	3,335,624	
6/30/2013	3,989,289	4,275,456	4,022,769	3,991,140	3,887,973	3,896,294	3,996,286	3,923,005	3,872,927		
6/30/2014	4,325,236	4,561,834	4,103,242	4,199,543	4,080,104	4,026,632	4,086,967	3,988,632			
6/30/2015	3,273,191	3,543,826	3,300,678	3,351,066	3,169,558	3,231,058	3,141,658				
6/30/2016	3,191,457	3,244,142	3,162,762	2,966,524	3,007,828	3,039,580					
6/30/2017	3,859,248	4,574,729	4,287,088	3,961,048	3,569,982						
6/30/2018	4,850,098	5,313,169	5,097,387	4,781,777							
6/30/2019	4,518,579	4,904,488	5,109,639								
6/30/2020	3,216,527	3,037,609									
6/30/2021	2,420,514										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2002	2,724,759	2,724,759	2,724,759	2,724,759	2,724,759	2,724,759	2,724,759	2,731,188	2,731,188
6/30/2003	2,000,687	2,000,687	2,000,687	2,000,687	2,000,687	2,000,687	2,000,687	2,000,687	
6/30/2004	2,945,642	2,945,642	2,945,642	2,945,642	2,945,642	2,945,642	2,945,642		
6/30/2005	2,111,177	2,111,177	2,111,177	2,111,177	2,111,177	2,111,177			
6/30/2006	2,817,612	2,817,612	2,717,612	2,717,612	2,717,617				
6/30/2007	3,075,986	3,075,986	3,075,986	3,075,986					
6/30/2008	3,245,681	3,245,681	3,245,681						
6/30/2009	4,100,105	4,101,105							
6/30/2010	3,418,438								

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 MINNESOTA
 Bodily Injury - Occurrence
 Incurred Accident Year Basic Limits Loss Development Excluding ALAE

	Link Ratios										
<u>A.Y.E.</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2002	0.967	1.047	1.039	0.956	1.045	0.961	1.001	1.000	1.006	1.007	0.993
6/30/2003	0.788	1.142	0.823	1.028	0.971	0.985	0.993	0.999	1.000	1.000	1.000
6/30/2004	1.165	1.127	0.952	0.999	0.951	0.962	1.000	1.000	1.001	1.000	1.000
6/30/2005	0.933	1.029	0.834	0.983	0.972	0.974	0.962	0.987	1.000	1.000	1.000
6/30/2006	0.939	0.891	1.126	0.992	0.969	0.964	0.925	1.000	1.001	1.000	1.000
6/30/2007	0.954	0.942	0.964	0.982	0.973	1.035	0.981	1.004	0.981	1.000	1.000
6/30/2008	0.967	0.951	0.986	0.981	0.912	0.970	1.018	0.991	1.000	1.000	1.000
6/30/2009	1.045	0.953	0.831	1.004	1.002	1.021	0.985	0.989	1.000	1.000	1.000
6/30/2010	0.891	0.980	0.962	0.950	0.980	1.014	0.993	1.001	1.000	1.000	1.000
6/30/2011	0.833	0.945	0.912	0.933	1.005	0.943	0.991	1.000	1.000	1.000	
6/30/2012	0.838	1.069	0.956	1.026	0.988	0.992	0.971	1.000	1.001		
6/30/2013	1.072	0.941	0.992	0.974	1.002	1.026	0.982	0.987			
6/30/2014	1.055	0.899	1.023	0.972	0.987	1.015	0.976				
6/30/2015	1.083	0.931	1.015	0.946	1.019	0.972					
6/30/2016	1.017	0.975	0.938	1.014	1.011						
6/30/2017	1.185	0.937	0.924	0.901							
6/30/2018	1.095	0.959	0.938								
6/30/2019	1.085	1.042									
6/30/2020	0.944										

3 Yr Mean	1.041	0.979	0.933	0.954	1.006	1.004	0.976	0.996	1.000	1.000	1.000
Best 3/5	1.066	0.957	0.964	0.964	1.000	0.993	0.983	0.996	1.000	1.000	1.000

<u>A.Y.E.</u>	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>
6/30/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.002	1.000
6/30/2003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2004	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2005	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2006	1.000	0.965	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2007	1.000	1.000	1.000					
6/30/2008	1.000	1.000						
6/30/2009	1.000							
3 Yr Mean	1.000	0.988	1.000	1.000	1.000	1.000	1.001	1.000
Best 3/5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

	Development From										
<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2017					1.000	0.993	0.983	0.996	1.000	1.000	1.000
6/30/2018				0.964	1.000	0.993	0.983	0.996	1.000	1.000	1.000
6/30/2019			0.964	0.964	1.000	0.993	0.983	0.996	1.000	1.000	1.000
6/30/2020		0.957	0.964	0.964	1.000	0.993	0.983	0.996	1.000	1.000	1.000
6/30/2021	1.066	0.957	0.964	0.964	1.000	0.993	0.983	0.996	1.000	1.000	1.000

<u>A.Y.E.</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.972
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.937
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.903
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.865
6/30/2021	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.922

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 MINNESOTA
 Bodily Injury - Occurrence
 Incurred Accident Year ALAE Development

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	251,522	423,869	723,177	993,354	1,071,620	1,077,499	1,077,877	1,083,319	1,085,196	1,084,944	1,085,944
6/30/2003	274,750	403,673	509,165	566,736	581,738	622,461	660,910	653,447	653,827	653,827	653,827
6/30/2004	201,543	274,940	451,224	655,563	691,622	710,995	710,468	710,849	710,850	713,752	713,752
6/30/2005	197,923	379,434	607,281	686,136	708,389	682,156	657,839	687,900	712,901	711,295	711,295
6/30/2006	157,723	935,003	1,341,773	1,565,114	1,664,279	1,745,784	1,792,593	1,780,867	1,801,225	1,812,581	1,818,202
6/30/2007	546,919	1,101,426	1,439,652	1,501,527	1,633,952	1,692,263	1,697,990	1,694,145	1,723,526	1,725,584	1,725,584
6/30/2008	176,942	334,018	474,365	690,170	896,408	1,067,017	1,081,664	1,104,930	1,087,431	1,087,431	1,087,431
6/30/2009	300,372	443,925	895,585	1,059,970	1,171,081	1,227,488	1,260,840	1,272,739	1,276,557	1,276,557	1,276,557
6/30/2010	249,704	464,954	975,988	1,305,049	1,333,755	1,306,150	1,346,628	1,336,172	1,334,572	1,334,572	1,334,572
6/30/2011	272,892	283,648	485,142	548,029	629,961	659,924	826,747	749,086	758,933	758,933	758,933
6/30/2012	277,366	497,627	567,152	678,975	944,483	1,098,077	1,059,021	1,059,022	1,059,022	1,059,022	
6/30/2013	350,945	929,006	880,608	843,234	843,991	848,964	935,301	964,665	966,335		
6/30/2014	592,797	1,021,918	1,463,594	1,548,607	1,780,809	1,731,878	1,866,381	1,921,473			
6/30/2015	431,691	701,371	853,636	879,851	776,046	794,528	800,657				
6/30/2016	343,116	522,950	633,526	861,207	908,079	1,135,965					
6/30/2017	326,060	460,063	758,831	726,749	815,620						
6/30/2018	531,570	673,750	762,652	1,019,561							
6/30/2019	458,500	711,794	1,067,811								
6/30/2020	158,086	331,351									
6/30/2021	228,215										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2002	1,084,944	1,084,944	1,084,944	1,084,944	1,084,944	1,084,944	1,104,944	1,152,667	1,152,667
6/30/2003	653,827	653,827	653,827	653,827	653,827	653,827	653,827	653,827	
6/30/2004	713,752	713,752	713,752	713,752	713,752	713,752	713,752		
6/30/2005	711,295	711,295	711,295	711,295	711,295	711,295			
6/30/2006	1,821,425	1,846,309	1,846,453	1,846,503	1,846,503				
6/30/2007	1,725,584	1,725,584	1,725,584	1,725,584					
6/30/2008	1,087,431	1,087,431	1,087,431						
6/30/2009	1,276,557	1,317,171							
6/30/2010	1,334,572								

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 MINNESOTA
 Bodily Injury - Occurrence
 Incurred Accident Year Incremental ALAE Development

	Increments												
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2002	172,347	299,308	270,177	78,266	5,879	378	5,442	1,877	-252	1,000	-1,000	0	0
6/30/2003	128,923	105,492	57,571	15,002	40,723	38,449	-7,463	380	0	0	0	0	0
6/30/2004	73,397	176,284	204,339	36,059	19,373	-527	381	1	2,902	0	0	0	0
6/30/2005	181,511	227,847	78,855	22,253	-26,233	-24,317	30,061	25,001	-1,606	0	0	0	0
6/30/2006	777,280	406,770	223,341	99,165	81,505	46,809	-11,726	20,358	11,356	5,621	3,223	24,884	144
6/30/2007	554,507	338,226	61,875	132,425	58,311	5,727	-3,845	29,381	2,058	0	0	0	0
6/30/2008	157,076	140,347	215,805	206,238	170,609	14,647	23,266	-17,499	0	0	0	0	0
6/30/2009	143,553	451,660	164,385	111,111	56,407	33,352	11,899	3,818	0	0	0	40,614	
6/30/2010	215,250	511,034	329,061	28,706	-27,605	40,478	-10,456	-1,600	0	0	0		
6/30/2011	10,756	201,494	62,887	81,932	29,963	166,823	-77,661	9,847	0	0			
6/30/2012	220,261	69,525	111,823	265,508	153,594	-39,056	1	0	0				
6/30/2013	578,061	-48,398	-37,374	757	4,973	86,337	29,364	1,670					
6/30/2014	429,121	441,676	85,013	232,202	-48,931	134,503	55,092						
6/30/2015	269,680	152,265	26,215	-103,805	18,482	6,129							
6/30/2016	179,834	110,576	227,681	46,872	227,886								
6/30/2017	134,003	298,768	32,082	88,871									
6/30/2018	142,180	88,902	256,909										
6/30/2019	253,294	356,017											
6/30/2020	173,265												

Incremental Percentages														
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>	<u>159:147</u>	<u>171:159</u>	
6/30/2002	0.0520	0.0902	0.0815	0.0236	0.0018	0.0001	0.0016	0.0006	-0.0001	0.0003	-0.0003	0.0000	0.0000	
6/30/2003	0.0579	0.0474	0.0258	0.0067	0.0183	0.0173	-0.0033	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2004	0.0201	0.0482	0.0559	0.0099	0.0053	-0.0001	0.0001	0.0000	0.0008	0.0000	0.0000	0.0000	0.0000	
6/30/2005	0.0636	0.0798	0.0276	0.0078	-0.0092	-0.0085	0.0105	0.0088	-0.0006	0.0000	0.0000	0.0000	0.0000	
6/30/2006	0.1990	0.1041	0.0572	0.0254	0.0209	0.0120	-0.0030	0.0052	0.0029	0.0014	0.0008	0.0064	0.0000	
6/30/2007	0.1130	0.0689	0.0126	0.0270	0.0119	0.0012	-0.0008	0.0060	0.0004	0.0000	0.0000	0.0000	0.0000	
6/30/2008	0.0376	0.0336	0.0516	0.0493	0.0408	0.0035	0.0056	-0.0042	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2009	0.0269	0.0848	0.0309	0.0209	0.0106	0.0063	0.0022	0.0007	0.0000	0.0000	0.0000	0.0076	0.0000	
6/30/2010	0.0424	0.1006	0.0648	0.0057	-0.0054	0.0080	-0.0021	-0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2011	0.0029	0.0540	0.0169	0.0220	0.0080	0.0447	-0.0208	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2012	0.0424	0.0134	0.0215	0.0512	0.0296	-0.0075	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2013	0.1090	-0.0091	-0.0070	0.0001	0.0009	0.0163	0.0055	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2014	0.0671	0.0690	0.0133	0.0363	-0.0076	0.0210	0.0086	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2015	0.0667	0.0377	0.0065	-0.0257	0.0046	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2016	0.0401	0.0246	0.0507	0.0104	0.0508	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2017	0.0293	0.0652	-0.0070	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2018	0.0258	0.0161	0.0466	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2019	0.0352	0.0495	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2020	0.0372	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

Best 3/5	0.0339	0.0373	0.0221	0.0100	0.0117	0.0129	0.0011	0.0003	0.0000	0.0000	0.0000	0.0021	0.0000
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Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 MINNESOTA
 Property Damage - Occurrence
 Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :											
<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	416,612	409,843	379,130	378,130	395,143	493,749	468,425	455,925	455,925	455,925	455,925
6/30/2003	335,811	416,597	448,589	452,929	452,929	452,829	452,829	452,829	527,829	527,829	527,829
6/30/2004	334,004	585,098	496,945	404,420	451,920	466,770	466,770	466,770	466,770	566,770	566,770
6/30/2005	337,477	313,759	285,372	283,793	278,793	278,793	278,793	278,793	278,793	278,793	278,793
6/30/2006	212,979	196,881	403,131	303,131	188,131	188,131	288,131	288,131	288,131	298,131	198,131
6/30/2007	438,078	502,584	437,656	432,656	432,656	432,656	427,656	427,127	427,127	427,127	469,632
6/30/2008	243,889	261,661	216,237	167,889	169,389	169,389	184,389	184,389	184,389	184,389	184,389
6/30/2009	427,326	389,214	428,781	458,781	366,817	367,762	367,762	367,762	367,762	421,172	420,782
6/30/2010	527,963	464,194	526,715	520,435	620,435	520,435	620,435	620,435	620,435	620,435	620,435
6/30/2011	391,988	488,248	468,219	450,823	458,323	458,323	468,322	468,322	468,322	468,322	468,322
6/30/2012	270,493	392,941	364,932	364,932	394,201	367,935	367,932	367,932	367,932	367,932	
6/30/2013	407,729	543,623	651,668	657,746	657,746	659,481	759,481	659,481	659,481		
6/30/2014	581,826	678,698	658,746	658,745	658,745	658,745	688,745	688,745			
6/30/2015	516,623	570,181	525,753	574,344	568,994	551,494	551,494				
6/30/2016	725,123	663,766	676,114	676,198	683,350	676,198					
6/30/2017	727,150	954,376	976,448	1,205,791	1,191,291						
6/30/2018	705,292	656,026	704,648	808,348							
6/30/2019	824,709	904,317	926,242								
6/30/2020	680,941	675,468									
6/30/2021	365,926										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2002	455,925	455,925	455,925	455,925	455,925	455,925	455,687	455,925	455,925
6/30/2003	527,829	527,829	527,829	527,829	527,829	521,132	521,132	521,132	
6/30/2004	566,770	566,770	566,770	566,770	566,770	566,770	566,770		
6/30/2005	278,793	278,793	278,793	278,793	278,793	278,793			
6/30/2006	198,131	198,131	198,131	198,046	198,046				
6/30/2007	427,127	427,127	427,127	427,127					
6/30/2008	184,389	184,389	184,389						
6/30/2009	367,762	367,762							
6/30/2010	620,435								

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 MINNESOTA
 Property Damage - Occurrence
 Incurred Accident Year Basic Limits Loss Development Excluding ALAE

	Link Ratios										
<u>A.Y.E.</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2002	0.984	0.925	0.997	1.045	1.250	0.949	0.973	1.000	1.000	1.000	1.000
6/30/2003	1.241	1.077	1.010	1.000	1.000	1.000	1.000	1.166	1.000	1.000	1.000
6/30/2004	1.752	0.849	0.814	1.117	1.033	1.000	1.000	1.000	1.214	1.000	1.000
6/30/2005	0.930	0.910	0.994	0.982	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2006	0.924	2.048	0.752	0.621	1.000	1.532	1.000	1.000	1.035	0.665	1.000
6/30/2007	1.147	0.871	0.989	1.000	1.000	0.988	0.999	1.000	1.000	1.100	0.909
6/30/2008	1.073	0.826	0.776	1.009	1.000	1.089	1.000	1.000	1.000	1.000	1.000
6/30/2009	0.911	1.102	1.070	0.800	1.003	1.000	1.000	1.000	1.145	0.999	0.874
6/30/2010	0.879	1.135	0.988	1.192	0.839	1.192	1.000	1.000	1.000	1.000	1.000
6/30/2011	1.246	0.959	0.963	1.017	1.000	1.022	1.000	1.000	1.000	1.000	
6/30/2012	1.453	0.929	1.000	1.080	0.933	1.000	1.000	1.000	1.000		
6/30/2013	1.333	1.199	1.009	1.000	1.003	1.152	0.868	1.000			
6/30/2014	1.166	0.971	1.000	1.000	1.000	1.046	1.000				
6/30/2015	1.104	0.922	1.092	0.991	0.969	1.000					
6/30/2016	0.915	1.019	1.000	1.011	0.990						
6/30/2017	1.312	1.023	1.235	0.988							
6/30/2018	0.930	1.074	1.147								
6/30/2019	1.097	1.024									
6/30/2020	0.992										
3 Yr Mean	1.006	1.040	1.127	0.997	0.986	1.066	0.956	1.000	1.000	1.000	0.958
Best 3/5	1.006	1.022	1.080	0.997	0.986	1.023	1.000	1.000	1.000	1.000	0.970
	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
6/30/2002	1.000	1.000	1.000	1.000	1.000	0.999	1.001	1.000			
6/30/2003	1.000	1.000	1.000	1.000	0.987	1.000	1.000	1.000			
6/30/2004	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2005	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2007	1.000	1.000	1.000								
6/30/2008	1.000	1.000									
6/30/2009	1.000										
3 Yr Mean	1.000	1.000	1.000	1.000	0.996	1.000	1.001	1.000			
Best 3/5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
	Development From										
<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2017					0.986	1.023	1.000	1.000	1.000	1.000	0.970
6/30/2018				0.997	0.986	1.023	1.000	1.000	1.000	1.000	0.970
6/30/2019			1.080	0.997	0.986	1.023	1.000	1.000	1.000	1.000	0.970
6/30/2020		1.022	1.080	0.997	0.986	1.023	1.000	1.000	1.000	1.000	0.970
6/30/2021	1.006	1.022	1.080	0.997	0.986	1.023	1.000	1.000	1.000	1.000	0.970
	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>		<u>FACTORS</u>
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		0.978
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		0.975
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.054
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.077
6/30/2021	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.083

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 MINNESOTA
 Property Damage - Occurrence
 Incurred Accident Year ALAE Development

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2002	16,384	36,414	49,292	95,691	151,527	218,840	237,831	647,491	651,639	651,639	651,639
6/30/2003	22,244	50,998	78,312	120,920	120,548	120,492	120,492	120,492	234,030	237,107	237,107
6/30/2004	27,248	84,319	141,878	156,034	183,862	183,862	183,862	183,862	183,862	421,192	421,192
6/30/2005	24,390	36,455	61,744	62,552	58,595	58,595	58,595	58,595	58,595	58,595	58,595
6/30/2006	18,433	9,438	38,501	42,788	31,723	31,583	56,583	56,582	56,582	66,582	44,181
6/30/2007	21,599	27,546	43,911	43,183	43,182	43,182	42,830	42,830	42,830	42,830	90,512
6/30/2008	14,749	14,738	29,409	27,023	27,023	27,023	27,023	27,023	27,023	27,023	27,023
6/30/2009	93,804	75,025	79,702	102,481	137,481	109,727	109,727	109,727	109,727	109,727	109,727
6/30/2010	36,257	53,372	77,559	169,346	255,113	290,130	306,520	306,520	306,521	306,521	306,521
6/30/2011	10,266	97,678	187,315	214,767	236,455	288,933	288,187	288,682	288,682	288,682	288,682
6/30/2012	91,758	145,911	152,960	152,960	156,692	157,724	161,430	161,430	161,430	161,430	
6/30/2013	28,449	84,871	1,528,582	1,534,239	1,532,804	1,524,759	1,524,760	1,524,759	1,524,759		
6/30/2014	55,174	54,310	105,612	115,729	115,729	115,729	127,819	127,819			
6/30/2015	12,156	48,257	83,505	211,047	211,047	159,544	159,362				
6/30/2016	136,544	99,440	368,849	518,370	548,175						
6/30/2017	230,551	590,773	860,986	1,270,669	1,217,346						
6/30/2018	116,321	228,781	247,308	283,591							
6/30/2019	17,077	37,067	43,313								
6/30/2020	7,231	26,811									
6/30/2021	111,874										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2002	651,639	651,639	651,639	651,639	651,639	651,639	651,639	651,639	651,639
6/30/2003	237,107	237,107	237,107	237,107	237,107	237,107	237,107	237,107	
6/30/2004	421,192	421,192	421,192	421,192	421,192	421,192	421,192		
6/30/2005	58,595	58,595	58,595	58,595	58,595	58,595			
6/30/2006	44,181	44,181	44,181	44,181	44,181				
6/30/2007	43,017	43,017	43,017	43,017					
6/30/2008	27,023	27,023	27,023						
6/30/2009	109,727	109,727							
6/30/2010	306,521								

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 MINNESOTA
 Property Damage - Occurrence
 Incurred Accident Year Incremental ALAE Development

	Increments												
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2002	20,030	12,878	46,399	55,836	67,313	18,991	409,660	4,148	0	0	0	0	0
6/30/2003	28,754	27,314	42,608	-372	-56	0	0	113,538	3,077	0	0	0	0
6/30/2004	57,071	57,559	14,156	27,828	0	0	0	0	237,330	0	0	0	0
6/30/2005	12,065	25,289	808	-3,957	0	0	0	0	0	0	0	0	0
6/30/2006	-8,995	29,063	4,287	-11,065	-140	25,000	-1	0	10,000	-22,401	0	0	0
6/30/2007	5,947	16,365	-728	-1	0	-352	0	0	0	47,682	-47,495	0	0
6/30/2008	-11	14,671	-2,386	0	0	0	0	0	0	0	0	0	0
6/30/2009	-18,779	4,677	22,779	35,000	-27,754	0	0	0	0	0	0	0	0
6/30/2010	17,115	24,187	91,787	85,767	35,017	16,390	0	1	0	0	0	0	0
6/30/2011	87,412	89,637	27,452	21,688	52,478	-746	495	0	0	0	0	0	0
6/30/2012	54,153	7,049	0	3,732	1,032	3,706	0	0	0	0	0	0	0
6/30/2013	56,422	1,443,711	5,657	-1,435	-8,045	1	-1	0	0	0	0	0	0
6/30/2014	-864	51,302	10,117	0	0	12,090	0	0	0	0	0	0	0
6/30/2015	36,101	35,248	127,542	0	-51,503	-182	0	0	0	0	0	0	0
6/30/2016	-37,104	269,409	149,521	29,805	-12,975	0	0	0	0	0	0	0	0
6/30/2017	360,222	270,213	409,683	-53,323	0	0	0	0	0	0	0	0	0
6/30/2018	112,460	18,527	36,283	0	0	0	0	0	0	0	0	0	0
6/30/2019	19,990	6,246	0	0	0	0	0	0	0	0	0	0	0
6/30/2020	19,580	0	0	0	0	0	0	0	0	0	0	0	0

Incremental Percentages													
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2002	0.0439	0.0282	0.1017	0.1223	0.1475	0.0416	0.8976	0.0091	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.0394	0.0375	0.0584	-0.0005	-0.0001	0.0000	0.0000	0.1557	0.0042	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.0852	0.0859	0.0211	0.0415	0.0000	0.0000	0.0000	0.0000	0.3542	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0432	0.0905	0.0029	-0.0142	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2006	-0.0452	0.1462	0.0216	-0.0556	-0.0007	0.1257	0.0000	0.0000	0.0503	-0.1127	0.0000	0.0000	0.0000
6/30/2007	0.0077	0.0212	-0.0009	0.0000	0.0000	-0.0005	0.0000	0.0000	0.0000	0.0619	-0.0616	0.0000	0.0000
6/30/2008	-0.0001	0.0792	-0.0129	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2009	-0.0275	0.0069	0.0334	0.0513	-0.0407	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2010	0.0150	0.0212	0.0803	0.0750	0.0306	0.0143	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2011	0.1361	0.1396	0.0427	0.0338	0.0817	-0.0012	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2012	0.1243	0.0162	0.0000	0.0086	0.0024	0.0085	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2013	0.0620	1.5867	0.0062	-0.0016	-0.0088	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2014	-0.0012	0.0697	0.0137	0.0000	0.0000	0.0164	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2015	0.0503	0.0491	0.1776	0.0000	-0.0717	-0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2016	-0.0301	0.2182	0.1211	0.0241	-0.0105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2017	0.2090	0.1568	0.2377	-0.0309	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2018	0.1137	0.0187	0.0367	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2019	0.0130	0.0041	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2020	0.0243	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Best 3/5	0.0503	0.0749	0.1118	-0.0005	-0.0064	0.0027	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 Multistate
 Bodily Injury - Occurrence
 Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2002	173,727,281	226,364,817	275,036,210	291,565,846	287,928,373	284,451,808	281,969,177	281,200,937	280,337,187	279,561,108	279,883,508
6/30/2003	195,907,306	270,230,865	328,226,478	336,230,394	329,296,645	324,177,649	321,772,055	318,622,236	317,658,618	317,748,847	317,795,802
6/30/2004	213,127,568	296,434,539	321,874,478	330,911,213	329,034,658	326,184,399	323,299,865	321,752,696	321,596,570	320,979,894	320,647,557
6/30/2005	229,239,921	273,923,719	312,352,671	320,340,027	321,347,561	316,008,745	312,832,572	312,090,697	311,000,781	311,490,957	311,698,859
6/30/2006	220,577,084	291,631,104	328,339,404	339,028,722	333,793,991	327,066,737	324,144,240	323,506,315	322,948,500	322,731,215	322,470,270
6/30/2007	251,280,499	322,393,580	352,062,750	356,917,606	349,620,486	343,913,066	341,595,852	339,574,756	338,609,843	338,481,937	338,618,667
6/30/2008	270,075,265	332,386,755	368,588,197	373,402,916	366,871,681	361,327,756	359,274,502	358,049,040	357,866,918	357,230,451	357,086,416
6/30/2009	279,212,870	352,528,505	390,134,617	390,428,701	383,308,863	380,655,483	377,110,143	375,059,537	374,188,252	374,026,725	374,716,232
6/30/2010	297,086,814	376,404,320	417,583,981	419,042,724	412,772,188	408,209,764	405,470,057	404,241,304	403,905,265	403,471,548	403,189,716
6/30/2011	331,554,496	417,514,303	461,540,292	469,616,305	460,661,197	455,501,365	451,595,983	449,749,664	449,387,289	448,897,855	448,891,123
6/30/2012	281,692,812	357,150,592	399,746,284	401,513,046	399,050,210	395,344,963	394,726,470	394,775,073	393,424,340	393,134,843	
6/30/2013	280,635,622	362,080,958	394,978,889	402,622,963	404,175,798	403,687,558	403,135,597	401,907,668	401,709,221		
6/30/2014	316,585,711	403,225,544	460,004,641	493,245,921	495,777,600	495,156,866	491,461,361	490,316,273			
6/30/2015	278,800,064	381,979,670	464,245,245	495,801,413	501,606,666	499,099,726	497,732,269				
6/30/2016	258,521,396	373,564,914	450,386,214	482,647,634	486,173,713	487,074,370					
6/30/2017	281,387,777	409,128,243	498,816,782	530,196,749	540,369,000						
6/30/2018	327,084,849	461,876,351	547,894,596	585,544,310							
6/30/2019	310,739,126	440,907,806	522,508,453								
6/30/2020	240,204,186	335,916,033									
6/30/2021	219,667,076										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2002	279,537,479	279,634,920	279,704,272	279,699,010	279,833,595	279,815,295	279,812,577	279,942,476	280,054,093
6/30/2003	317,700,884	317,873,196	318,157,603	318,009,116	318,009,404	318,373,347	318,744,365	318,893,161	
6/30/2004	320,742,657	320,697,563	320,634,477	320,527,813	320,631,098	320,636,301	320,882,899		
6/30/2005	311,686,872	311,591,824	311,870,276	312,271,954	312,361,395	312,714,252			
6/30/2006	322,403,310	322,186,328	322,230,677	322,696,313	323,250,163				
6/30/2007	338,502,627	338,973,565	339,240,225	339,444,185					
6/30/2008	357,335,111	357,518,337	357,941,382						
6/30/2009	374,669,583	374,755,019							
6/30/2010	403,173,486								

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 Multistate
 Bodily Injury - Occurrence
 Incurred Accident Year Basic Limits Loss Development Excluding ALAE

	Link Ratios										
<u>A.Y.E.</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2002	1.303	1.215	1.060	0.988	0.988	0.991	0.997	0.997	0.997	1.001	0.999
6/30/2003	1.379	1.215	1.024	0.979	0.984	0.993	0.990	0.997	1.000	1.000	1.000
6/30/2004	1.391	1.086	1.028	0.994	0.991	0.991	0.995	1.000	0.998	0.999	1.000
6/30/2005	1.195	1.140	1.026	1.003	0.983	0.990	0.998	0.997	1.002	1.001	1.000
6/30/2006	1.322	1.126	1.033	0.985	0.980	0.991	0.998	0.998	0.999	0.999	1.000
6/30/2007	1.283	1.092	1.014	0.980	0.984	0.993	0.994	0.997	1.000	1.000	1.000
6/30/2008	1.231	1.109	1.013	0.983	0.985	0.994	0.997	0.999	0.998	1.000	1.001
6/30/2009	1.263	1.107	1.001	0.982	0.993	0.991	0.995	0.998	1.000	1.002	1.000
6/30/2010	1.267	1.109	1.003	0.985	0.989	0.993	0.997	0.999	0.999	0.999	1.000
6/30/2011	1.259	1.105	1.017	0.981	0.989	0.991	0.996	0.999	0.999	1.000	
6/30/2012	1.268	1.119	1.004	0.994	0.991	0.998	1.000	0.997	0.999		
6/30/2013	1.290	1.091	1.019	1.004	0.999	0.999	0.997	1.000			
6/30/2014	1.274	1.141	1.072	1.005	0.999	0.993	0.998				
6/30/2015	1.370	1.215	1.068	1.012	0.995	0.997					
6/30/2016	1.445	1.206	1.072	1.007	1.002						
6/30/2017	1.454	1.219	1.063	1.019							
6/30/2018	1.412	1.186	1.069								
6/30/2019	1.419	1.185									
6/30/2020	1.398										
3 Yr Mean	1.410	1.197	1.068	1.013	0.999	0.996	0.998	0.999	0.999	1.000	1.000
Best 3/5	1.425	1.202	1.070	1.008	0.998	0.996	0.997	0.999	0.999	1.000	1.000
<u>A.Y.E.</u>	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
6/30/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2003	1.001	1.001	1.000	1.000	1.001	1.001	1.000	1.000			
6/30/2004	1.000	1.000	1.000	1.000	1.000	1.001	1.001	1.000			
6/30/2005	1.000	1.001	1.001	1.000	1.001	1.000	1.001	1.000			
6/30/2006	0.999	1.000	1.001	1.002	1.000	1.000	1.001	1.000			
6/30/2007	1.001	1.001	1.001								
6/30/2008	1.001	1.001									
6/30/2009	1.000										
3 Yr Mean	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.000			
Best 3/5	1.000	1.001	1.001	1.000	1.000	1.000	1.001	1.000			
<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2017					0.998	0.996	0.997	0.999	0.999	1.000	1.000
6/30/2018				1.008	0.998	0.996	0.997	0.999	0.999	1.000	1.000
6/30/2019			1.070	1.008	0.998	0.996	0.997	0.999	0.999	1.000	1.000
6/30/2020		1.202	1.070	1.008	0.998	0.996	0.997	0.999	0.999	1.000	1.000
6/30/2021	1.425	1.202	1.070	1.008	0.998	0.996	0.997	0.999	0.999	1.000	1.000
<u>A.Y.E</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>		<u>FACTORS</u>
6/30/2017	1.000	1.001	1.001	1.000	1.000	1.000	1.001	1.000	1.000		0.992
6/30/2018	1.000	1.001	1.001	1.000	1.000	1.000	1.001	1.000	1.000		1.000
6/30/2019	1.000	1.001	1.001	1.000	1.000	1.000	1.001	1.000	1.000		1.070
6/30/2020	1.000	1.001	1.001	1.000	1.000	1.000	1.001	1.000	1.000		1.286
6/30/2021	1.000	1.001	1.001	1.000	1.000	1.000	1.001	1.000	1.000		1.833

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Deductible
 Multistate
 Bodily Injury - Occurrence
 Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	10,140,539	15,420,550	16,617,261	16,889,230	17,600,101	16,856,454	16,907,474	16,539,265	16,705,790	16,615,577	16,615,576
6/30/2003	13,657,642	18,310,785	20,595,795	21,681,085	20,550,541	20,348,075	19,670,472	19,540,474	19,502,132	19,563,673	19,644,833
6/30/2004	17,300,231	24,948,696	23,315,089	24,458,524	23,363,574	22,644,300	22,006,517	21,788,770	21,618,044	21,779,578	21,811,451
6/30/2005	15,619,580	24,570,285	23,727,288	21,778,469	20,106,333	19,372,436	18,934,403	18,734,969	18,729,969	18,613,995	18,613,992
6/30/2006	15,260,156	17,995,846	20,554,730	20,196,093	19,549,156	19,705,042	19,903,400	19,913,521	20,195,275	20,117,069	20,187,069
6/30/2007	15,121,810	19,912,097	22,972,118	23,536,175	22,871,107	22,276,046	21,989,578	22,099,575	22,089,346	22,085,095	21,940,095
6/30/2008	16,839,720	21,010,020	23,209,198	23,249,229	23,257,495	22,831,830	22,743,659	22,641,278	22,547,079	22,571,329	22,571,329
6/30/2009	16,061,964	19,601,094	19,805,083	21,041,613	21,052,852	20,797,543	20,807,066	20,685,241	20,690,600	20,659,746	20,656,841
6/30/2010	12,715,979	13,197,951	15,759,406	16,356,108	16,914,383	16,531,644	16,605,265	16,410,254	16,251,349	16,362,696	16,321,026
6/30/2011	11,699,767	15,323,273	17,303,823	18,105,748	18,036,537	17,769,979	17,697,410	17,514,545	17,516,812	17,492,385	17,541,394
6/30/2012	11,518,181	14,827,569	16,557,494	16,705,450	16,983,724	16,729,092	16,958,469	17,305,155	17,090,915	17,052,915	
6/30/2013	12,153,927	15,046,099	16,289,394	16,920,685	17,564,476	17,416,598	17,386,528	17,084,109	16,972,125		
6/30/2014	15,500,916	18,487,026	21,085,089	22,780,446	23,648,557	23,812,120	24,049,013	24,319,386			
6/30/2015	14,998,062	20,264,483	25,371,342	28,009,680	28,387,880	28,277,260	28,056,860				
6/30/2016	17,293,961	22,980,966	27,899,760	29,692,764	29,498,741	30,024,692					
6/30/2017	15,616,087	24,226,892	31,855,011	32,634,648	32,214,394						
6/30/2018	19,176,766	28,083,972	34,012,493	35,962,811							
6/30/2019	20,529,883	28,645,337	35,274,625								
6/30/2020	19,337,026	23,054,841									
6/30/2021	18,564,223										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2002	16,665,575	16,821,074	16,807,285	16,832,444	16,926,850	16,927,135	16,927,135	16,925,463	16,925,749
6/30/2003	19,545,884	19,535,884	19,535,884	19,535,884	19,551,884	19,552,884	19,551,884	19,552,884	
6/30/2004	21,787,641	21,810,142	21,860,141	21,860,141	21,860,141	21,839,689	21,841,391		
6/30/2005	18,618,992	18,613,992	18,613,992	18,670,437	18,670,437				
6/30/2006	20,187,069	20,087,069	20,087,069	20,089,598	20,089,598				
6/30/2007	21,872,925	21,873,025	21,873,027	21,877,925					
6/30/2008	22,571,229	22,576,475	22,567,475						
6/30/2009	20,656,840	20,651,840							
6/30/2010	16,421,026								

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
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 Incurred Accident Year Basic Limits Loss Development Excluding ALAE

	Link Ratios										
<u>A.Y.E.</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2002	1.521	1.078	1.016	1.042	0.958	1.003	0.978	1.010	0.995	1.000	1.003
6/30/2003	1.341	1.125	1.053	0.948	0.990	0.967	0.993	0.998	1.003	1.004	0.995
6/30/2004	1.442	0.935	1.049	0.955	0.969	0.972	0.990	0.992	1.007	1.001	0.999
6/30/2005	1.573	0.966	0.918	0.923	0.963	0.977	0.989	1.000	0.994	1.000	1.000
6/30/2006	1.179	1.142	0.983	0.968	1.008	1.010	1.001	1.014	0.996	1.003	1.000
6/30/2007	1.317	1.154	1.025	0.972	0.974	0.987	1.005	1.000	1.000	0.993	0.997
6/30/2008	1.248	1.105	1.002	1.000	0.982	0.996	0.995	0.996	1.000	1.001	1.000
6/30/2009	1.220	1.010	1.062	1.001	0.988	1.000	0.994	1.000	0.999	1.000	1.000
6/30/2010	1.038	1.194	1.038	1.034	0.977	1.004	0.988	0.990	1.007	0.997	1.006
6/30/2011	1.310	1.129	1.046	0.996	0.985	0.996	0.990	1.000	0.999	1.003	
6/30/2012	1.287	1.117	1.009	1.017	0.985	1.014	1.020	0.988	0.998		
6/30/2013	1.238	1.083	1.039	1.038	0.992	0.998	0.983	0.993			
6/30/2014	1.193	1.141	1.080	1.038	1.007	1.010	1.011				
6/30/2015	1.351	1.252	1.104	1.014	0.996	0.992					
6/30/2016	1.329	1.214	1.064	0.993	1.018						
6/30/2017	1.551	1.315	1.024	0.987							
6/30/2018	1.464	1.211	1.057								
6/30/2019	1.395	1.231									
6/30/2020	1.192										
3 Yr Mean	1.350	1.252	1.048	0.998	1.007	1.000	1.005	0.994	1.001	1.000	1.002
Best 3/5	1.396	1.232	1.067	1.015	0.998	1.001	0.996	0.994	0.999	0.999	1.000
<u>A.Y.E.</u>	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
6/30/2002	1.009	0.999	1.001	1.006	1.000	1.000	1.000	1.000			
6/30/2003	0.999	1.000	1.000	1.001	1.000	1.000	1.000	1.000			
6/30/2004	1.001	1.002	1.000	1.000	0.999	1.000	1.000	1.000			
6/30/2005	1.000	1.000	1.003	1.000	1.000	1.000	1.000	1.000			
6/30/2006	0.995	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2007	1.000	1.000	1.000								
6/30/2008	1.000	1.000									
6/30/2009	1.000										
3 Yr Mean	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000			
Best 3/5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	Development From						
6/30/2017					<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2018				1.015	0.998	1.001	0.996	0.994	0.999	0.999	1.000
6/30/2019			1.067	1.015	0.998	1.001	0.996	0.994	0.999	0.999	1.000
6/30/2020		1.232	1.067	1.015	0.998	1.001	0.996	0.994	0.999	0.999	1.000
6/30/2021	1.396	1.232	1.067	1.015	0.998	1.001	0.996	0.994	0.999	0.999	1.000
<u>A.Y.E</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>	
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		0.987
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.002
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.069
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.317
6/30/2021	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.839

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 Multistate
 Bodily Injury - Occurrence
 Incurred Accident Year ALAE Development

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	26,260,014	46,593,243	77,207,122	97,020,264	114,430,046	119,354,725	124,524,508	126,712,211	126,984,031	128,137,599	128,013,191
6/30/2003	26,059,156	56,719,158	92,775,160	122,327,248	137,046,907	141,120,229	144,591,299	145,556,648	147,317,648	148,716,305	149,173,531
6/30/2004	23,856,595	55,928,254	93,694,544	119,144,678	128,101,666	134,251,437	136,250,890	137,700,514	138,496,355	139,616,539	140,485,802
6/30/2005	25,815,305	57,808,566	95,385,374	119,695,055	131,618,733	137,208,236	139,974,395	141,715,033	142,777,283	144,067,506	144,571,155
6/30/2006	24,478,195	60,888,918	95,582,075	120,868,683	131,829,444	138,627,484	141,324,315	141,930,535	143,665,072	144,920,005	145,360,854
6/30/2007	25,372,469	64,012,711	100,661,518	129,528,995	142,446,741	147,644,684	149,152,951	150,251,210	153,232,926	154,036,182	154,647,985
6/30/2008	25,023,022	62,843,045	111,304,981	141,409,052	158,412,298	166,252,721	170,098,045	172,324,973	173,081,341	172,581,404	173,179,848
6/30/2009	30,397,526	69,912,585	115,705,853	152,919,639	167,097,955	174,720,410	177,679,227	180,504,766	182,012,260	182,509,919	188,886,501
6/30/2010	36,458,438	77,420,281	129,991,120	160,997,639	176,973,636	186,139,374	189,642,914	191,158,400	194,360,384	195,487,253	196,366,795
6/30/2011	42,625,336	91,998,368	149,662,359	187,275,350	204,025,308	212,031,999	215,714,003	216,738,909	216,272,641	217,444,766	218,182,815
6/30/2012	37,275,203	83,477,674	138,957,671	176,645,528	196,981,703	206,277,756	210,230,203	212,558,737	212,863,547	214,070,948	
6/30/2013	39,600,981	89,513,069	143,108,605	185,028,257	206,469,669	214,657,515	217,667,084	219,442,600	220,664,377		
6/30/2014	48,057,773	104,745,221	169,510,356	218,234,017	240,526,102	253,137,211	257,866,500	259,758,871			
6/30/2015	42,365,760	99,550,973	166,243,159	212,711,257	234,859,860	241,968,337	247,052,941				
6/30/2016	41,024,398	98,816,126	168,225,308	212,977,561	232,355,666	242,755,291					
6/30/2017	42,163,529	95,994,900	163,402,795	206,253,970	231,469,633						
6/30/2018	45,580,002	104,947,129	174,572,773	229,025,339							
6/30/2019	41,994,760	95,960,632	159,654,440								
6/30/2020	32,070,583	75,523,601									
6/30/2021	31,031,275										
	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>		
6/30/2002	128,496,866	129,994,143	130,423,339	131,137,073	131,217,903	131,208,853	131,256,383	131,499,770	131,751,875		
6/30/2003	149,980,881	150,569,131	150,909,418	150,902,866	151,106,032	151,066,143	151,301,738	151,493,057			
6/30/2004	140,937,937	141,434,364	141,663,988	142,321,891	142,096,367	142,330,638	142,662,827				
6/30/2005	144,265,124	144,684,821	146,345,211	148,001,702	149,520,546	151,414,784					
6/30/2006	146,173,052	146,227,859	146,532,570	146,773,741	147,234,135						
6/30/2007	154,496,673	154,713,141	154,919,643	155,352,560							
6/30/2008	173,459,187	174,135,846	174,650,670								
6/30/2009	189,345,833	189,806,638									
6/30/2010	197,746,746										

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 Multistate
 Bodily Injury - Occurrence
 Incurred Accident Year Incremental ALAE Development

A.Y.E.	Increments												
	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2002	20,333,229	30,613,879	19,813,142	17,409,782	4,924,679	5,169,783	2,187,703	271,820	1,153,568	-124,408	483,675	1,497,277	429,196
6/30/2003	30,660,002	36,056,002	29,552,088	14,719,659	4,073,322	3,471,070	965,349	1,761,000	1,398,657	457,226	807,350	588,250	340,287
6/30/2004	32,071,659	37,766,290	25,450,134	8,956,988	6,149,771	1,999,453	1,449,624	795,841	1,120,184	869,263	452,135	496,427	229,624
6/30/2005	31,993,261	37,576,808	24,309,681	11,923,678	5,589,503	2,766,159	1,740,638	1,062,250	1,290,223	503,649	-306,031	419,697	1,660,390
6/30/2006	36,410,723	34,693,157	25,286,608	10,960,761	6,798,040	2,696,831	606,220	1,734,537	1,254,933	440,849	812,198	54,807	304,711
6/30/2007	38,640,242	36,648,807	28,867,477	12,917,746	5,197,943	1,508,267	1,098,259	2,981,716	803,256	611,803	-151,312	216,468	206,502
6/30/2008	37,820,023	48,461,936	30,104,071	17,003,246	7,840,423	3,845,324	2,226,928	756,368	-499,937	598,444	279,339	676,659	514,824
6/30/2009	39,515,059	45,793,268	37,213,786	14,178,316	7,622,455	2,958,817	2,825,539	1,507,494	497,659	6,376,582	459,332	460,805	
6/30/2010	40,961,843	52,570,839	31,006,519	15,975,997	9,165,738	3,503,540	1,515,486	3,201,984	1,126,869	879,542	1,379,951		
6/30/2011	49,373,032	57,663,991	37,612,991	16,749,958	8,006,691	3,682,004	1,024,906	-466,268	1,172,125	738,049			
6/30/2012	46,202,471	55,479,997	37,687,857	20,336,175	9,296,053	3,952,447	2,328,534	304,810	1,207,401				
6/30/2013	49,912,088	53,595,536	41,919,652	21,441,412	8,187,846	3,009,569	1,775,516	1,221,777					
6/30/2014	56,687,448	64,765,135	48,723,661	22,292,085	12,611,109	4,729,289	1,892,371						
6/30/2015	57,185,213	66,692,186	46,468,098	22,148,603	7,108,477	5,084,604							
6/30/2016	57,791,728	69,409,182	44,752,253	19,378,105	10,399,625								
6/30/2017	53,831,371	67,407,895	42,851,175	25,215,663									
6/30/2018	59,367,127	69,625,644	54,452,566										
6/30/2019	53,965,872	63,693,808											
6/30/2020	43,453,018												

Incremental Percentages													
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2002	0.0488	0.0735	0.0476	0.0418	0.0118	0.0124	0.0053	0.0007	0.0028	-0.0003	0.0012	0.0036	0.0010
6/30/2003	0.0648	0.0762	0.0625	0.0311	0.0086	0.0073	0.0020	0.0037	0.0030	0.0010	0.0017	0.0012	0.0007
6/30/2004	0.0689	0.0812	0.0547	0.0193	0.0132	0.0043	0.0031	0.0017	0.0024	0.0019	0.0010	0.0011	0.0005
6/30/2005	0.0689	0.0809	0.0523	0.0257	0.0120	0.0060	0.0037	0.0023	0.0028	0.0011	-0.0007	0.0009	0.0036
6/30/2006	0.0761	0.0725	0.0528	0.0229	0.0142	0.0056	0.0013	0.0036	0.0026	0.0009	0.0017	0.0001	0.0006
6/30/2007	0.0754	0.0715	0.0563	0.0252	0.0101	0.0029	0.0021	0.0058	0.0016	0.0012	-0.0003	0.0004	0.0004
6/30/2008	0.0691	0.0886	0.0550	0.0311	0.0143	0.0070	0.0041	0.0014	-0.0009	0.0011	0.0005	0.0012	0.0009
6/30/2009	0.0694	0.0805	0.0654	0.0249	0.0134	0.0052	0.0050	0.0026	0.0009	0.0112	0.0008	0.0008	
6/30/2010	0.0655	0.0840	0.0495	0.0255	0.0146	0.0056	0.0024	0.0051	0.0018	0.0014	0.0022		
6/30/2011	0.0723	0.0844	0.0551	0.0245	0.0117	0.0054	0.0015	-0.0007	0.0017	0.0011			
6/30/2012	0.0719	0.0864	0.0587	0.0317	0.0145	0.0062	0.0036	0.0005	0.0019				
6/30/2013	0.0764	0.0821	0.0642	0.0328	0.0125	0.0046	0.0027	0.0019					
6/30/2014	0.0707	0.0807	0.0607	0.0278	0.0157	0.0059	0.0024						
6/30/2015	0.0698	0.0814	0.0567	0.0270	0.0087	0.0062							
6/30/2016	0.0698	0.0838	0.0541	0.0234	0.0126								
6/30/2017	0.0595	0.0745	0.0473	0.0279									
6/30/2018	0.0586	0.0687	0.0537										
6/30/2019	0.0549	0.0648											
6/30/2020	0.0576												

Best 3/5	0.0586	0.0749	0.0548	0.0276	0.0132	0.0058	0.0025	0.0017	0.0015	0.0012	0.0010	0.0007	0.0007
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Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 Multistate
 Property Damage - Occurrence
 Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	26,463,756	31,613,251	32,723,104	34,170,174	35,037,475	35,389,271	36,171,453	36,359,346	36,985,742	37,147,983	37,465,370
6/30/2003	29,904,090	31,383,928	34,230,206	34,625,410	37,056,443	37,009,118	37,018,905	37,175,852	36,792,723	37,188,129	37,341,000
6/30/2004	26,957,662	31,330,269	32,176,876	33,413,491	35,338,628	35,741,639	35,555,208	35,563,898	35,673,461	35,881,215	36,098,182
6/30/2005	27,147,008	29,020,357	31,834,924	32,672,063	33,300,116	33,519,594	33,586,161	33,847,657	34,194,493	34,684,986	34,577,823
6/30/2006	25,940,059	28,763,533	30,445,357	30,909,688	31,109,557	31,421,354	31,743,416	31,872,694	32,108,116	31,934,422	31,855,348
6/30/2007	26,955,038	29,880,625	32,308,637	32,873,426	33,197,874	33,224,352	33,440,935	33,843,310	34,559,210	34,433,647	34,541,870
6/30/2008	31,957,203	34,899,070	36,054,824	35,853,067	36,597,894	37,272,596	37,598,643	37,443,712	37,675,523	37,933,875	37,891,416
6/30/2009	34,273,571	35,008,474	36,560,446	36,862,068	37,003,949	37,343,940	37,188,403	37,015,132	37,244,496	37,678,836	37,766,391
6/30/2010	34,730,321	38,962,917	41,001,447	41,426,760	42,205,976	42,177,738	42,122,717	42,225,988	42,383,713	42,235,923	42,403,989
6/30/2011	41,877,360	45,403,788	46,302,948	46,614,148	46,788,574	46,809,956	47,133,404	47,718,356	47,753,936	47,959,865	48,018,000
6/30/2012	40,646,393	43,367,134	44,749,630	45,053,549	45,350,910	45,189,502	45,826,800	45,949,831	46,146,459	46,138,171	
6/30/2013	37,881,692	41,033,870	43,057,139	43,747,024	44,584,679	45,325,789	46,106,464	46,074,238	46,348,721		
6/30/2014	43,626,031	47,258,481	48,312,925	50,199,235	50,471,435	50,788,757	51,315,322	51,442,399			
6/30/2015	43,783,809	47,551,842	49,193,298	52,264,260	53,997,850	53,739,723	54,147,040				
6/30/2016	35,853,797	41,629,010	46,086,560	46,540,464	47,631,064	47,791,305					
6/30/2017	39,691,599	44,775,723	48,457,978	50,471,247	51,245,907						
6/30/2018	40,667,199	50,057,687	54,239,644	56,355,731							
6/30/2019	44,683,918	51,449,890	54,186,475								
6/30/2020	38,298,158	42,202,091									
6/30/2021	34,820,082										

<u>A.Y.E</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2002	37,609,034	37,532,868	37,452,446	37,657,912	37,701,861	37,808,296	37,863,836	37,930,295	38,007,945
6/30/2003	37,466,516	37,566,127	37,593,046	37,708,753	37,725,002	37,827,325	37,796,506	37,907,358	
6/30/2004	36,315,984	36,369,591	36,420,007	36,446,210	36,548,879	36,634,893	36,634,370		
6/30/2005	34,430,487	34,436,408	34,257,487	34,258,534	34,319,244	34,365,056			
6/30/2006	31,931,269	31,820,154	31,872,270	31,968,075	31,977,110				
6/30/2007	34,395,912	34,327,867	34,360,805	34,366,556					
6/30/2008	37,905,503	37,871,926	37,875,922						
6/30/2009	38,256,691	38,565,563							
6/30/2010	42,623,987								

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 Multistate
 Property Damage - Occurrence
 Incurred Accident Year Basic Limits Loss Development Excluding ALAE

Link Ratios											
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2002	1.195	1.035	1.044	1.025	1.010	1.022	1.005	1.017	1.004	1.009	1.004
6/30/2003	1.049	1.091	1.012	1.070	0.999	1.000	1.004	0.990	1.011	1.004	1.003
6/30/2004	1.162	1.027	1.038	1.058	1.011	0.995	1.000	1.003	1.006	1.006	1.006
6/30/2005	1.069	1.097	1.026	1.019	1.007	1.002	1.008	1.010	1.014	0.997	0.996
6/30/2006	1.109	1.058	1.015	1.006	1.010	1.010	1.004	1.007	0.995	0.998	1.002
6/30/2007	1.109	1.081	1.017	1.010	1.001	1.007	1.012	1.021	0.996	1.003	0.996
6/30/2008	1.092	1.033	0.994	1.021	1.018	1.009	0.996	1.006	1.007	0.999	1.000
6/30/2009	1.021	1.044	1.008	1.004	1.009	0.996	0.995	1.006	1.012	1.002	1.013
6/30/2010	1.122	1.052	1.010	1.019	0.999	0.999	1.002	1.004	0.997	1.004	1.005
6/30/2011	1.084	1.020	1.007	1.004	1.000	1.007	1.012	1.001	1.004	1.001	
6/30/2012	1.067	1.032	1.007	1.007	0.996	1.014	1.003	1.004	1.000		
6/30/2013	1.083	1.049	1.016	1.019	1.017	1.017	0.999	1.006			
6/30/2014	1.083	1.022	1.039	1.005	1.006	1.010	1.002				
6/30/2015	1.086	1.035	1.062	1.033	0.995	1.008					
6/30/2016	1.161	1.107	1.010	1.023	1.003						
6/30/2017	1.128	1.082	1.042	1.015							
6/30/2018	1.231	1.084	1.039								
6/30/2019	1.151	1.053									
6/30/2020	1.102										
3 Yr Mean	1.161	1.073	1.030	1.024	1.001	1.012	1.001	1.004	1.000	1.002	1.006
Best 3/5	1.147	1.073	1.040	1.019	1.002	1.011	1.002	1.005	1.004	1.002	1.002
	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
6/30/2002	0.998	0.998	1.005	1.001	1.003	1.001	1.002	1.002			
6/30/2003	1.003	1.001	1.003	1.000	1.003	0.999	1.003	1.001			
6/30/2004	1.001	1.001	1.001	1.003	1.002	1.000	1.001	1.001			
6/30/2005	1.000	0.995	1.000	1.002	1.001	1.002	1.001	1.001			
6/30/2006	0.997	1.002	1.003	1.000	1.001	1.002	1.001	1.001			
6/30/2007	0.998	1.001	1.000								
6/30/2008	0.999	1.000									
6/30/2009	1.008										
3 Yr Mean	1.002	1.001	1.001	1.002	1.002	1.000	1.003	1.002			
Best 3/5	0.999	1.001	1.001	1.001	1.002	1.001	1.001	1.001			
	Development From										
A.Y.E.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2017					1.002	1.011	1.002	1.005	1.004	1.002	1.002
6/30/2018				1.019	1.002	1.011	1.002	1.005	1.004	1.002	1.002
6/30/2019			1.040	1.019	1.002	1.011	1.002	1.005	1.004	1.002	1.002
6/30/2020		1.073	1.040	1.019	1.002	1.011	1.002	1.005	1.004	1.002	1.002
6/30/2021	1.147	1.073	1.040	1.019	1.002	1.011	1.002	1.005	1.004	1.002	1.002
	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>		FACTORS
6/30/2017	0.999	1.001	1.001	1.001	1.002	1.001	1.001	1.001	1.004		1.040
6/30/2018	0.999	1.001	1.001	1.001	1.002	1.001	1.001	1.001	1.004		1.059
6/30/2019	0.999	1.001	1.001	1.001	1.002	1.001	1.001	1.001	1.004		1.102
6/30/2020	0.999	1.001	1.001	1.001	1.002	1.001	1.001	1.001	1.004		1.182
6/30/2021	0.999	1.001	1.001	1.001	1.002	1.001	1.001	1.001	1.004		1.356

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Deductible
 Multistate
 Property Damage - Occurrence
 Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	1,656,256	1,532,706	1,639,827	1,807,272	1,907,412	2,045,842	1,981,826	1,914,398	2,019,897	2,019,898	2,026,398
6/30/2003	1,640,783	1,483,947	1,597,699	1,829,728	1,746,367	1,628,817	1,632,085	1,689,312	1,693,312	1,691,312	1,692,312
6/30/2004	1,891,454	2,009,467	2,401,843	2,677,460	2,933,467	2,914,705	2,825,204	2,918,771	2,860,771	2,928,341	2,927,440
6/30/2005	2,209,070	2,279,959	2,207,511	2,594,904	2,538,952	2,707,752	2,557,701	2,676,743	2,638,243	2,649,532	2,645,532
6/30/2006	1,714,871	1,968,182	2,167,464	1,938,953	1,913,679	1,949,279	1,964,278	2,058,853	2,029,456	2,031,679	2,031,513
6/30/2007	1,676,560	2,088,989	2,536,847	2,300,893	2,417,093	2,245,049	2,214,685	2,239,059	2,337,060	2,337,059	2,337,059
6/30/2008	1,289,285	1,650,574	1,217,832	1,245,417	1,171,982	1,171,293	1,189,493	1,182,293	1,184,293	1,184,395	1,205,604
6/30/2009	2,473,985	1,791,766	2,147,567	2,004,554	1,972,015	1,938,677	2,041,599	1,994,178	1,994,177	1,994,177	1,999,177
6/30/2010	1,742,612	1,698,338	1,647,611	1,709,388	1,776,348	1,818,848	1,869,872	1,718,872	1,817,847	1,713,201	1,712,838
6/30/2011	1,531,127	1,643,899	1,934,250	1,837,666	1,923,518	1,938,121	1,910,030	1,931,029	1,906,029	1,906,029	1,906,029
6/30/2012	1,206,026	1,404,425	1,648,508	1,945,740	1,908,479	2,322,837	2,348,691	2,233,009	2,131,053	2,129,333	
6/30/2013	1,714,651	1,785,393	1,855,380	1,844,534	2,110,666	2,077,166	2,077,155	1,993,905	2,068,905		
6/30/2014	1,961,126	1,925,237	1,759,114	1,910,680	1,983,030	1,923,534	2,043,333	2,143,333			
6/30/2015	2,487,174	2,576,079	2,433,660	2,784,177	2,590,675	2,710,879	2,782,529				
6/30/2016	2,058,391	2,291,909	2,776,109	3,048,312	3,461,864	3,553,721					
6/30/2017	2,200,564	2,513,744	2,764,370	2,889,122	2,586,226						
6/30/2018	3,062,076	3,795,979	4,105,028	4,354,379							
6/30/2019	3,327,765	3,691,996	3,706,261								
6/30/2020	3,035,703	3,958,757									
6/30/2021	3,121,929										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2002	2,031,397	2,059,398	2,051,397	2,051,397	2,151,397	2,151,397	2,156,397	2,154,348	2,156,397
6/30/2003	1,692,312	1,692,312	1,692,312	1,892,312	1,893,921	1,898,921	1,897,921	1,898,921	
6/30/2004	3,025,341	3,027,216	3,027,216	3,027,316	3,027,216	3,027,216	3,027,216		
6/30/2005	2,645,532	2,644,532	2,644,532	2,650,560	2,650,560	2,650,560			
6/30/2006	2,035,278	2,130,468	2,139,615	2,134,075	2,133,769				
6/30/2007	2,337,060	2,347,059	2,345,953	2,345,953					
6/30/2008	1,200,604	1,194,758	1,194,758						
6/30/2009	2,001,384	2,001,384							
6/30/2010	1,713,088								

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Deductible
 Multistate
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 Incurred Accident Year Basic Limits Loss Development Excluding ALAE

	Link Ratios										
<u>A.Y.E.</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2002	0.925	1.070	1.102	1.055	1.073	0.969	0.966	1.055	1.000	1.003	1.002
6/30/2003	0.904	1.077	1.145	0.954	0.933	1.002	1.035	1.002	0.999	1.001	1.000
6/30/2004	1.062	1.195	1.115	1.096	0.994	0.969	1.033	0.980	1.024	1.000	1.033
6/30/2005	1.032	0.968	1.175	0.978	1.066	0.945	1.047	0.986	1.004	0.998	1.000
6/30/2006	1.148	1.101	0.895	0.987	1.019	1.008	1.048	0.986	1.001	1.000	1.002
6/30/2007	1.246	1.214	0.907	1.051	0.929	0.986	1.011	1.044	1.000	1.000	1.000
6/30/2008	1.280	0.738	1.023	0.941	0.999	1.016	0.994	1.002	1.000	1.018	0.996
6/30/2009	0.724	1.199	0.933	0.984	0.983	1.053	0.977	1.000	1.000	1.003	1.001
6/30/2010	0.975	0.970	1.037	1.039	1.024	1.028	0.919	1.058	0.942	1.000	1.000
6/30/2011	1.074	1.177	0.950	1.047	1.008	0.986	1.011	0.987	1.000	1.000	
6/30/2012	1.165	1.174	1.180	0.981	1.217	1.011	0.951	0.954	0.999		
6/30/2013	1.041	1.039	0.994	1.144	0.984	1.000	0.960	1.038			
6/30/2014	0.982	0.914	1.086	1.038	0.970	1.062	1.049				
6/30/2015	1.036	0.945	1.144	0.930	1.046	1.026					
6/30/2016	1.113	1.211	1.098	1.136	1.027						
6/30/2017	1.142	1.100	1.045	0.895							
6/30/2018	1.240	1.081	1.061								
6/30/2019	1.109	1.004									
6/30/2020	1.304										
3 Yr Mean	1.218	1.062	1.068	0.987	1.014	1.029	0.987	0.993	0.980	1.001	0.999
Best 3/5	1.165	1.062	1.082	1.035	1.019	1.012	0.974	1.008	1.000	1.001	1.000
<u>A.Y.E.</u>	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
6/30/2002	1.014	0.996	1.000	1.049	1.000	1.002	0.999	1.001			
6/30/2003	1.000	1.000	1.118	1.001	1.003	0.999	1.001	1.000			
6/30/2004	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2005	1.000	1.000	1.002	1.000	1.000	1.000	1.000	1.000			
6/30/2006	1.047	1.004	0.997	1.000	1.000	1.000	1.000	1.000			
6/30/2007	1.004	1.000	1.000								
6/30/2008	0.995	1.000									
6/30/2009	1.000										
3 Yr Mean	1.000	1.001	1.000	1.000	1.001	1.000	1.000	1.001			
Best 3/5	1.001	1.000	1.001	1.000	1.000	1.000	1.000	1.000			
<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2017					1.019	1.012	0.974	1.008	1.000	1.001	1.000
6/30/2018				1.035	1.019	1.012	0.974	1.008	1.000	1.001	1.000
6/30/2019			1.082	1.035	1.019	1.012	0.974	1.008	1.000	1.001	1.000
6/30/2020		1.062	1.082	1.035	1.019	1.012	0.974	1.008	1.000	1.001	1.000
6/30/2021	1.165	1.062	1.082	1.035	1.019	1.012	0.974	1.008	1.000	1.001	1.000
<u>A.Y.E</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>		<u>FACTORS</u>
6/30/2017	1.001	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000		1.015
6/30/2018	1.001	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000		1.051
6/30/2019	1.001	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000		1.137
6/30/2020	1.001	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000		1.208
6/30/2021	1.001	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000		1.407

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 Multistate
 Property Damage - Occurrence
 Incurred Accident Year ALAE Development

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	2,667,549	6,910,857	9,079,712	13,842,420	18,159,291	25,875,494	29,522,508	32,731,556	34,678,694	35,334,848	36,263,618
6/30/2003	3,117,580	5,508,575	8,719,011	12,557,978	16,277,158	18,060,217	19,386,474	20,137,816	20,544,465	21,062,112	21,253,696
6/30/2004	2,587,790	6,349,144	10,220,322	13,579,178	17,516,856	20,468,682	22,346,675	23,035,114	24,353,206	25,128,452	25,124,086
6/30/2005	3,448,578	6,994,546	12,424,673	15,920,131	18,813,118	20,742,492	21,721,264	22,561,069	23,475,017	25,250,598	25,516,088
6/30/2006	2,609,412	6,384,830	10,350,058	13,830,715	15,523,531	18,172,913	20,223,958	20,893,461	20,990,877	21,357,446	24,265,448
6/30/2007	3,569,957	7,969,941	12,506,051	16,940,926	18,850,807	20,819,017	23,316,777	23,865,527	25,635,526	25,988,773	26,187,027
6/30/2008	4,204,034	8,546,640	13,778,102	18,247,953	22,011,173	24,080,513	24,888,220	25,946,128	27,106,043	27,954,611	28,976,415
6/30/2009	4,099,901	7,465,224	12,523,744	14,817,633	18,160,021	19,876,039	20,898,613	22,096,616	22,837,873	23,690,038	24,018,862
6/30/2010	4,583,377	9,451,476	14,739,603	19,433,275	22,982,135	25,035,186	27,534,659	28,634,117	29,378,641	29,524,617	30,103,031
6/30/2011	5,132,926	12,118,696	17,037,332	22,073,577	26,047,802	28,317,032	28,706,217	29,306,800	29,465,680	29,957,979	30,090,600
6/30/2012	5,986,180	9,725,959	14,045,899	18,305,122	21,552,683	23,729,435	25,649,664	26,952,889	28,481,715	29,660,907	
6/30/2013	5,538,031	10,033,151	16,508,704	21,988,750	22,922,930	24,055,966	24,098,606	25,349,668	26,369,762		
6/30/2014	5,496,918	11,514,489	15,150,451	17,748,941	19,309,913	23,880,437	24,678,405	25,775,684			
6/30/2015	6,305,659	12,016,952	18,747,060	23,325,549	27,579,412	29,349,871	30,400,498				
6/30/2016	5,541,981	10,286,238	17,077,977	22,637,744	25,708,276	26,730,391					
6/30/2017	6,217,330	12,014,784	17,661,985	22,251,502	24,226,679						
6/30/2018	6,597,132	14,763,375	21,607,591	27,148,495							
6/30/2019	5,405,548	10,688,871	16,726,402								
6/30/2020	6,861,258	11,186,229									
6/30/2021	5,866,990										
<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>		
6/30/2002	37,034,866	37,115,120	37,090,654	37,430,487	37,543,039	37,833,306	37,873,200	38,081,142	38,397,894		
6/30/2003	21,187,164	21,235,264	21,144,033	21,291,953	21,314,224	21,346,111	21,378,597	21,494,420			
6/30/2004	25,943,716	26,009,807	26,068,478	25,969,556	26,113,700	26,199,966	26,219,477				
6/30/2005	25,448,285	25,814,770	25,950,125	26,067,166	26,144,219	26,179,555					
6/30/2006	24,586,685	24,458,791	24,663,356	24,886,903	25,045,922						
6/30/2007	26,316,754	26,465,093	26,455,955	26,536,230							
6/30/2008	29,335,791	29,439,267	29,867,291								
6/30/2009	24,236,426	24,491,960									
6/30/2010	30,769,110										

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 Multistate
 Property Damage - Occurrence
 Incurred Accident Year Incremental ALAE Development

A.Y.E.	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135	159:147	171:159
6/30/2002	4,243,308	2,168,855	4,762,708	4,316,871	7,716,203	3,647,014	3,209,048	1,947,138	656,154	928,770	771,248	80,254	-24,466
6/30/2003	2,390,995	3,210,436	3,838,967	3,719,180	1,783,059	1,326,257	751,342	406,649	517,647	191,584	-66,532	48,100	-91,231
6/30/2004	3,761,354	3,871,178	3,358,856	3,937,678	2,951,826	1,877,993	688,439	1,318,092	775,246	-4,366	819,630	66,091	58,671
6/30/2005	3,545,968	5,430,127	3,495,458	2,892,987	1,929,374	978,772	839,805	913,948	1,775,581	265,490	-67,803	366,485	135,355
6/30/2006	3,775,418	3,965,228	3,480,657	1,692,816	2,649,382	2,051,045	669,503	97,416	366,569	2,908,002	321,237	-127,894	204,565
6/30/2007	4,399,984	4,536,110	4,434,875	1,909,881	1,968,210	2,497,760	548,750	1,769,999	353,247	198,254	129,727	148,339	-9,138
6/30/2008	4,342,606	5,231,462	4,469,851	3,763,220	2,069,340	807,707	1,057,908	1,159,915	848,568	1,021,804	359,376	103,476	428,024
6/30/2009	3,365,323	5,058,520	2,293,889	3,342,388	1,716,018	1,022,574	1,198,003	741,257	852,165	328,824	217,564	255,534	
6/30/2010	4,868,099	5,288,127	4,693,672	3,548,860	2,053,051	2,499,473	1,099,458	744,524	145,976	578,414	666,079		
6/30/2011	6,985,770	4,918,636	5,036,245	3,974,225	2,269,230	389,185	600,583	158,880	492,299	132,621			
6/30/2012	3,739,779	4,319,940	4,259,223	3,247,561	2,176,752	1,920,229	1,303,225	1,528,826	1,179,192				
6/30/2013	4,495,120	6,475,553	5,480,046	934,180	1,133,036	42,640	1,251,062	1,020,094					
6/30/2014	6,017,571	3,635,962	2,598,490	1,560,972	4,570,524	797,968	1,097,279						
6/30/2015	5,711,293	6,730,108	4,578,489	4,253,863	1,770,459	1,050,627							
6/30/2016	4,744,257	6,791,739	5,559,767	3,070,532	1,022,115								
6/30/2017	5,797,454	5,647,201	4,589,517	1,975,177									
6/30/2018	8,166,243	6,844,216	5,540,904										
6/30/2019	5,283,323	6,037,531											
6/30/2020	4,324,971												

A.Y.E.	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135	159:147	171:159
6/30/2002	0.0757	0.0387	0.0850	0.0770	0.1377	0.0651	0.0573	0.0347	0.0117	0.0166	0.0138	0.0014	-0.0004
6/30/2003	0.0472	0.0634	0.0758	0.0734	0.0352	0.0262	0.0148	0.0080	0.0102	0.0038	-0.0013	0.0009	-0.0018
6/30/2004	0.0733	0.0755	0.0655	0.0768	0.0575	0.0366	0.0134	0.0257	0.0151	-0.0001	0.0160	0.0013	0.0011
6/30/2005	0.0786	0.1204	0.0775	0.0641	0.0428	0.0217	0.0186	0.0203	0.0394	0.0059	-0.0015	0.0081	0.0030
6/30/2006	0.0924	0.0971	0.0852	0.0415	0.0649	0.0502	0.0164	0.0024	0.0090	0.0712	0.0079	-0.0031	0.0050
6/30/2007	0.0971	0.1001	0.0978	0.0421	0.0434	0.0551	0.0121	0.0390	0.0078	0.0044	0.0029	0.0033	-0.0002
6/30/2008	0.0885	0.1066	0.0911	0.0767	0.0422	0.0165	0.0216	0.0236	0.0173	0.0208	0.0073	0.0021	0.0087
6/30/2009	0.0670	0.1007	0.0456	0.0665	0.0341	0.0203	0.0238	0.0148	0.0170	0.0065	0.0043	0.0051	
6/30/2010	0.0873	0.0949	0.0842	0.0637	0.0368	0.0448	0.0197	0.0134	0.0026	0.0104	0.0119		
6/30/2011	0.1020	0.0718	0.0736	0.0581	0.0331	0.0057	0.0088	0.0023	0.0072	0.0019			
6/30/2012	0.0592	0.0684	0.0674	0.0514	0.0345	0.0304	0.0206	0.0242	0.0187				
6/30/2013	0.0710	0.1023	0.0866	0.0148	0.0179	0.0007	0.0198	0.0161					
6/30/2014	0.0816	0.0493	0.0352	0.0212	0.0620	0.0108	0.0149						
6/30/2015	0.0747	0.0881	0.0599	0.0557	0.0232	0.0137							
6/30/2016	0.0692	0.0991	0.0811	0.0448	0.0149								
6/30/2017	0.0791	0.0770	0.0626	0.0269									
6/30/2018	0.0995	0.0834	0.0675										
6/30/2019	0.0663	0.0758											
6/30/2020	0.0654												

Best 3/5	0.0715	0.0828	0.0633	0.0310	0.0252	0.0101	0.0181	0.0148	0.0138	0.0071	0.0065	0.0035	0.0030
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Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 Multistate
 Fringe Coverage - Occurrence
 Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :											
<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	16,469,199	20,087,187	24,314,611	27,232,221	25,978,135	25,340,379	25,207,152	25,162,555	25,256,956	25,285,543	25,177,995
6/30/2003	12,447,595	15,785,256	20,210,779	19,560,967	19,257,446	19,278,460	18,517,561	18,207,401	18,436,333	18,264,202	18,463,869
6/30/2004	15,187,229	19,742,762	17,500,188	18,283,363	17,763,433	17,453,262	17,613,662	17,520,113	17,506,503	17,733,160	17,702,815
6/30/2005	13,309,031	17,952,161	20,145,460	19,667,247	19,351,390	19,450,889	19,049,236	19,148,159	19,244,192	19,517,948	19,461,867
6/30/2006	19,053,135	22,930,271	24,052,035	23,296,948	22,607,510	22,406,004	22,220,995	22,320,273	22,113,337	21,934,993	21,949,990
6/30/2007	18,299,583	22,295,998	22,843,760	23,075,340	22,769,419	22,270,476	22,175,876	22,310,932	22,378,490	22,619,438	22,642,288
6/30/2008	16,949,728	18,709,179	18,608,843	18,579,932	18,562,774	18,711,346	19,010,838	19,220,730	19,156,862	19,201,830	19,093,486
6/30/2009	14,131,858	16,237,627	16,037,233	16,187,951	17,017,577	17,094,068	17,116,622	16,945,795	16,680,201	16,850,200	16,894,296
6/30/2010	11,819,329	15,127,023	15,848,101	15,660,302	15,932,463	15,699,658	15,474,353	15,438,239	15,640,394	15,973,322	15,813,183
6/30/2011	9,964,229	11,627,928	12,528,102	13,522,759	13,548,569	13,209,684	13,089,177	12,897,119	13,234,413	13,280,406	13,225,405
6/30/2012	8,775,094	11,241,200	11,412,200	11,632,849	12,142,683	11,564,789	11,664,043	11,795,556	11,698,195	11,645,401	
6/30/2013	9,106,940	10,718,977	11,933,024	11,973,391	12,344,488	12,383,476	12,392,363	12,454,893	12,664,871		
6/30/2014	7,980,424	11,116,799	14,114,961	14,476,108	14,769,388	15,194,098	15,127,975	15,474,699			
6/30/2015	8,797,043	11,174,007	14,502,090	16,449,773	17,396,618	17,325,829	17,862,130				
6/30/2016	10,002,868	12,845,116	16,912,134	17,210,931	16,980,763	17,502,662					
6/30/2017	9,932,346	13,481,354	14,799,035	15,174,315	15,742,309						
6/30/2018	11,294,840	14,894,672	15,937,447	17,125,643							
6/30/2019	8,593,449	10,549,161	13,183,355								
6/30/2020	7,696,049	11,840,704									
6/30/2021	8,839,068										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2002	25,334,453	25,417,928	25,517,928	25,470,928	25,463,428	25,594,029	25,694,028	25,769,030	25,744,030
6/30/2003	18,419,579	18,484,480	18,488,777	18,566,277	18,608,775	18,608,775	18,608,775	18,608,810	
6/30/2004	17,473,701	17,473,812	17,518,612	17,631,006	17,631,006	17,631,006	17,694,006		
6/30/2005	19,209,119	19,334,116	19,406,511	19,306,511	19,406,514	19,371,511			
6/30/2006	22,158,740	22,020,240	22,120,239	22,020,738	22,019,738				
6/30/2007	22,592,118	22,653,014	22,641,882	22,767,036					
6/30/2008	18,993,486	19,013,486	19,087,213						
6/30/2009	16,820,523	16,911,703							
6/30/2010	15,904,681								

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 Multistate
 Fringe Coverage - Occurrence
 Incurred Accident Year Basic Limits Loss Development Excluding ALAE

Link Ratios											
A.Y.E.	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2002	1.220	1.210	1.120	0.954	0.975	0.995	0.998	1.004	1.001	0.996	1.006
6/30/2003	1.268	1.280	0.968	0.984	1.001	0.961	0.983	1.013	0.991	1.011	0.998
6/30/2004	1.300	0.886	1.045	0.972	0.983	1.009	0.995	0.999	1.013	0.998	0.987
6/30/2005	1.349	1.122	0.976	0.984	1.005	0.979	1.005	1.005	1.014	0.997	0.987
6/30/2006	1.203	1.049	0.969	0.970	0.991	0.992	1.004	0.991	0.992	1.001	1.010
6/30/2007	1.218	1.025	1.010	0.987	0.978	0.996	1.006	1.003	1.011	1.001	0.998
6/30/2008	1.104	0.995	0.998	0.999	1.008	1.016	1.011	0.997	1.002	0.994	0.995
6/30/2009	1.149	0.988	1.009	1.051	1.004	1.001	0.990	0.984	1.010	1.003	0.996
6/30/2010	1.280	1.048	0.988	1.017	0.985	0.986	0.998	1.013	1.021	0.990	1.006
6/30/2011	1.167	1.077	1.079	1.002	0.975	0.991	0.985	1.026	1.003	0.996	
6/30/2012	1.281	1.015	1.019	1.044	0.952	1.009	1.011	0.992	0.995		
6/30/2013	1.177	1.113	1.003	1.031	1.003	1.001	1.005	1.017			
6/30/2014	1.393	1.270	1.026	1.020	1.029	0.996	1.023				
6/30/2015	1.270	1.298	1.134	1.058	0.996	1.031					
6/30/2016	1.284	1.317	1.018	0.987	1.031						
6/30/2017	1.357	1.098	1.025	1.037							
6/30/2018	1.319	1.070	1.075								
6/30/2019	1.228	1.250									
6/30/2020	1.539										
3 Yr Mean	1.362	1.139	1.039	1.027	1.019	1.009	1.013	1.012	1.006	0.996	0.999
Best 3/5	1.320	1.215	1.042	1.029	1.009	1.002	1.005	1.007	1.005	0.997	1.000
A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2002	1.003	1.004	0.998	1.000	1.005	1.004	1.003	0.999			
6/30/2003	1.004	1.000	1.004	1.002	1.000	1.000	1.000	1.001			
6/30/2004	1.000	1.003	1.006	1.000	1.000	1.004	1.001	1.001			
6/30/2005	1.007	1.004	0.995	1.005	0.998	1.000	1.001	1.001			
6/30/2006	0.994	1.005	0.996	1.000	1.000	1.000	1.001	1.001			
6/30/2007	1.003	1.000	1.006								
6/30/2008	1.001	1.004									
6/30/2009	1.005										
3 Yr Mean	1.003	1.003	0.999	1.002	0.999	1.003	1.002	0.999			
Best 3/5	1.003	1.004	1.002	1.001	1.000	1.001	1.001	1.001			
Development From											
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2017					1.009	1.002	1.005	1.007	1.005	0.997	1.000
6/30/2018				1.029	1.009	1.002	1.005	1.007	1.005	0.997	1.000
6/30/2019			1.042	1.029	1.009	1.002	1.005	1.007	1.005	0.997	1.000
6/30/2020		1.215	1.042	1.029	1.009	1.002	1.005	1.007	1.005	0.997	1.000
6/30/2021	1.320	1.215	1.042	1.029	1.009	1.002	1.005	1.007	1.005	0.997	1.000
A.Y.E	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS	
6/30/2017	1.003	1.004	1.002	1.001	1.000	1.001	1.001	1.001	1.005	1.044	
6/30/2018	1.003	1.004	1.002	1.001	1.000	1.001	1.001	1.001	1.005	1.074	
6/30/2019	1.003	1.004	1.002	1.001	1.000	1.001	1.001	1.001	1.005	1.119	
6/30/2020	1.003	1.004	1.002	1.001	1.000	1.001	1.001	1.001	1.005	1.360	
6/30/2021	1.003	1.004	1.002	1.001	1.000	1.001	1.001	1.001	1.005	1.795	

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 Multistate
 Fringe Coverage - Occurrence
 Incurred Accident Year ALAE Development

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2002	4,179,538	8,564,144	13,425,188	17,849,522	18,454,493	20,955,282	22,199,560	22,121,921	22,199,468	22,440,655	22,574,312
6/30/2003	2,981,749	8,122,050	10,659,512	14,636,088	16,604,593	18,469,441	26,905,849	28,862,834	32,654,810	33,605,973	34,039,511
6/30/2004	2,896,007	6,184,238	10,703,994	15,685,399	18,688,335	19,081,344	19,225,158	20,144,405	20,583,453	20,853,760	21,038,634
6/30/2005	1,562,242	6,915,124	11,482,982	14,482,277	16,072,883	18,124,088	18,072,209	18,069,237	19,008,932	20,025,364	20,437,020
6/30/2006	2,326,049	7,659,725	12,202,859	15,370,286	16,863,262	18,047,766	21,686,431	22,943,969	25,325,549	27,954,844	28,082,587
6/30/2007	2,589,550	7,761,509	16,560,782	20,525,182	22,720,001	23,167,860	19,215,270	22,277,320	22,312,117	22,288,301	22,357,728
6/30/2008	1,998,349	6,933,703	12,278,693	16,137,369	16,569,233	17,415,237	18,092,593	18,723,618	18,863,730	19,088,391	19,391,585
6/30/2009	3,190,997	8,246,700	12,042,879	17,492,268	23,580,621	26,208,129	26,907,943	27,376,930	27,772,628	28,090,192	23,388,100
6/30/2010	3,249,912	11,756,204	19,258,205	21,425,943	26,383,866	29,732,261	31,711,287	33,457,780	33,701,312	34,093,779	40,209,333
6/30/2011	4,611,434	13,494,821	20,158,656	25,243,912	29,948,918	32,158,276	33,925,917	34,395,083	34,819,873	35,697,104	36,934,746
6/30/2012	3,359,499	9,902,126	12,803,415	22,882,172	23,997,039	27,408,978	29,568,360	31,160,359	31,935,966	32,034,212	
6/30/2013	2,974,841	9,164,926	12,442,484	17,682,943	22,062,097	24,228,320	28,793,607	25,136,671	26,399,041		
6/30/2014	4,396,263	12,868,793	19,580,072	20,908,870	26,283,061	31,636,983	34,136,137	36,087,799			
6/30/2015	4,757,709	9,798,604	16,719,621	24,680,593	27,272,994	29,757,771	30,637,389				
6/30/2016	4,980,340	10,964,201	15,465,706	17,337,763	19,285,838	21,481,803					
6/30/2017	3,996,675	10,387,857	14,630,818	18,791,985	20,988,304						
6/30/2018	5,017,785	16,141,580	23,460,177	25,551,217							
6/30/2019	4,288,938	7,542,700	11,414,920								
6/30/2020	2,945,415	6,223,839									
6/30/2021	2,297,465										
<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>		
6/30/2002	22,663,091	22,708,075	22,772,453	22,775,654	22,775,237	22,926,364	22,971,669	22,984,242	22,994,071		
6/30/2003	34,279,150	37,094,640	37,113,153	36,824,637	37,200,562	37,189,976	37,189,976	37,193,296			
6/30/2004	20,992,213	21,155,304	21,170,856	21,217,701	21,253,570	21,256,882	21,259,085				
6/30/2005	20,759,394	22,162,617	22,463,279	23,332,765	23,608,941	23,618,873					
6/30/2006	28,334,895	28,423,201	28,662,822	27,048,522	27,050,342						
6/30/2007	22,389,836	22,484,659	22,243,817	24,021,841							
6/30/2008	19,434,585	19,641,127	19,615,304								
6/30/2009	27,338,507	27,917,063									
6/30/2010	40,244,623										

Premises / Operations (Subline Code 334)
 Owners, Landlords and Tenants
 Full Coverage
 Multistate
 Fringe Coverage - Occurrence
 Incurred Accident Year Incremental ALAE Development

A.Y.E.	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135	159:147	171:159
6/30/2002	4,384,606	4,861,044	4,424,334	604,971	2,500,789	1,244,278	-77,639	77,547	241,187	133,657	88,779	44,984	64,378
6/30/2003	5,140,301	2,537,462	3,976,576	1,968,505	1,864,848	8,436,408	1,956,985	3,791,976	951,163	433,538	239,639	2,815,490	18,513
6/30/2004	3,288,231	4,519,756	4,981,405	3,002,936	393,009	143,814	919,247	439,048	270,307	184,874	-46,421	163,091	15,552
6/30/2005	5,352,882	4,567,858	2,999,295	1,590,606	2,051,205	-51,879	-2,972	939,695	1,016,432	411,656	322,374	1,403,223	300,662
6/30/2006	5,333,676	4,543,134	3,167,427	1,492,976	1,184,504	3,638,665	1,257,538	2,381,580	2,629,295	127,743	252,308	88,306	239,621
6/30/2007	5,171,959	8,799,273	3,964,400	2,194,819	447,859	-3,952,590	3,062,050	34,797	-23,816	69,427	32,108	94,823	-240,842
6/30/2008	4,935,354	5,344,990	3,858,676	431,864	846,004	677,356	631,025	140,112	224,661	303,194	43,000	206,542	-25,823
6/30/2009	5,055,703	3,796,179	5,449,389	6,088,353	2,627,508	699,814	468,987	395,698	317,564	-4,702,092	3,950,407	578,556	
6/30/2010	8,506,292	7,502,001	2,167,738	4,957,923	3,348,395	1,979,026	1,746,493	243,532	392,467	6,115,554	35,290		
6/30/2011	8,883,387	6,663,835	5,085,256	4,705,006	2,209,358	1,767,641	469,166	424,790	877,231	1,237,642			
6/30/2012	6,542,627	2,901,289	10,078,757	1,114,867	3,411,939	2,159,382	1,591,999	775,607	98,246				
6/30/2013	6,190,085	3,277,558	5,240,459	4,379,154	2,166,223	4,565,287	-3,656,936	1,262,370					
6/30/2014	8,472,530	6,711,279	1,328,798	5,374,191	5,353,922	2,499,154	1,951,662						
6/30/2015	5,040,895	6,921,017	7,960,972	2,592,401	2,484,777	879,618							
6/30/2016	5,983,861	4,501,505	1,872,057	1,948,075	2,195,965								
6/30/2017	6,391,182	4,242,961	4,161,167	2,196,319									
6/30/2018	11,123,795	7,318,597	2,091,040										
6/30/2019	3,253,762	3,872,220											
6/30/2020	3,278,424												

A.Y.E.	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135	159:147	171:159
6/30/2002	0.1094	0.1213	0.1104	0.0151	0.0624	0.0311	-0.0019	0.0019	0.0060	0.0033	0.0022	0.0011	0.0016
6/30/2003	0.1714	0.0846	0.1326	0.0657	0.0622	0.2814	0.0653	0.1265	0.0317	0.0145	0.0080	0.0939	0.0006
6/30/2004	0.1161	0.1596	0.1759	0.1060	0.0139	0.0051	0.0325	0.0155	0.0095	0.0065	-0.0016	0.0058	0.0005
6/30/2005	0.1642	0.1401	0.0920	0.0488	0.0629	-0.0016	-0.0001	0.0288	0.0312	0.0126	0.0099	0.0430	0.0092
6/30/2006	0.1728	0.1472	0.1026	0.0484	0.0384	0.1179	0.0407	0.0772	0.0852	0.0041	0.0082	0.0029	0.0078
6/30/2007	0.1506	0.2562	0.1154	0.0639	0.0130	-0.1151	0.0892	0.0010	-0.0007	0.0020	0.0009	0.0028	-0.0070
6/30/2008	0.1756	0.1901	0.1373	0.0154	0.0301	0.0241	0.0224	0.0050	0.0080	0.0108	0.0015	0.0073	-0.0009
6/30/2009	0.1902	0.1428	0.2050	0.2290	0.0988	0.0263	0.0176	0.0149	0.0119	-0.1769	0.1486	0.0218	
6/30/2010	0.2814	0.2481	0.0717	0.1640	0.1108	0.0655	0.0578	0.0081	0.0130	0.2023	0.0012		
6/30/2011	0.3687	0.2766	0.2111	0.1953	0.0917	0.0734	0.0195	0.0176	0.0364	0.0514			
6/30/2012	0.3275	0.1452	0.5045	0.0558	0.1708	0.1081	0.0797	0.0388	0.0049				
6/30/2013	0.2880	0.1525	0.2438	0.2037	0.1008	0.2124	-0.1701	0.0587					
6/30/2014	0.3154	0.2498	0.0495	0.2001	0.1993	0.0930	0.0727						
6/30/2015	0.1632	0.2241	0.2578	0.0839	0.0805	0.0285							
6/30/2016	0.1954	0.1470	0.0611	0.0636	0.0717								
6/30/2017	0.2284	0.1516	0.1487	0.0785									
6/30/2018	0.3264	0.2148	0.0614										
6/30/2019	0.1292	0.1537											
6/30/2020	0.1195												

Best 3/5	0.1843	0.1734	0.0904	0.1208	0.1174	0.0915	0.0500	0.0238	0.0110	0.0214	0.0036	0.0107	0.0025
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** 8.0% was selected due to consideration of the impact of Covid-19 in the most recent year.

PREMISES / OPERATIONS
TREND SUMMARY
AVERAGE ANNUAL PERCENT CHANGES

(1)	<u>EXPOSURE TREND</u>	<u>MANUFACTURERS</u>	<u>CONTRACTORS</u>	<u>OL&T CLASS GROUPS 1-13 *</u>	<u>OL&T CLASS GROUP 16</u>	<u>PREMISES/ OPERATIONS</u>
	a) 1/1/2019 to 1/1/2024 AYE 6/30/2019	+ 3.1%	+ 3.5%	+ 2.0%	+ 3.3%	+ 1.8%
	b) 1/1/2020 to 1/1/2024 AYE 6/30/2020	+ 3.9%	+ 3.8%	+ 2.0%	+ 3.8%	+ 1.9%
	c) 1/1/2021 to 1/1/2024 AYE 6/30/2021	+ 4.6%	+ 4.1%	+ 2.0%	+ 4.2%	+ 2.1%

MANUFACTURERS & CONTRACTORS				OWNERS, LANDLORDS & TENANTS			
(2)	<u>OCCURRENCE SEVERITY</u>	<u>Bodily Injury</u>	<u>Property Damage</u>	<u>Fringe</u>	<u>Bodily Injury</u>	<u>Property Damage</u>	<u>Fringe</u>
	a) Fitted						
	All Years (20 Points)	+ 4.9%	+ 4.8%	- 1.9%	+ 5.6%	+ 6.6%	- 2.0%
	Eight Year (16 Points)	+ 5.4%	+ 3.7%	- 4.2%	+ 6.4%	+ 7.9%	+ 2.1%
	Six Year (12 Points)	+ 6.2%	+ 3.6%	- 1.7%	+ 7.7%	+ 9.1%	+ 7.2%
	b) Selected	+ 5.5%	+ 4.5%	0.0%	+ 6.5%	+ 7.5%	+ 0.5%

(3)	<u>FREQUENCY TREND</u>	<u>M&C</u>	<u>OL&T</u>
	Selected	- 0.5%	- 0.5%

(4)	<u>TOTAL ANNUAL NET TREND</u>	+ 0.2%	+ 5.4%
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Net trend = (frequency trend x severity trend) / exposure trend

Note: The medical payments trend is equal to the bodily injury trend. The bodily injury deductible trend is equal to the bodily injury trend and the property damage deductible trend is equal to the property damage trend.

* The OL&T trend for class groups 1-13 is applied only to those classes which have inflation sensitive exposure bases.

MANUFACTURERS AND CONTRACTORS
AVERAGE ANNUAL EXPOSURE TRENDS
FOR ACCIDENT YEARS ENDING 6/30/2019, 6/30/2020 & 6/30/2021

(1)				(2)				(3)				(1)				(2)				(3)			
YEAR ENDING				MANUFACTURERS				CONTRACTORS				YEAR ENDING				MANUFACTURERS				CONTRACTORS			
QUARTER *				CLASS GROUP				CLASS GROUP				CLASS GROUP				CLASS GROUP				CLASS GROUP			
				SALES EXPOSURE				PAYROLL EXPOSURE								SALES EXPOSURE				PAYROLL EXPOSURE			
				INDICES				INDICES								INDICES				INDICES			
2011	1				0.969				23.312			2018	1				1.042				26.945		
	2				0.974				23.427				2				1.046				27.194		
	3				0.979				23.556				3				1.050				27.433		
	4				0.982				23.638				4				1.054				27.719		
2012	1				0.987				23.715			2019	1				1.058				27.943		
	2				0.990				23.794				2				1.061				28.173		
	3				0.995				23.873				3				1.063				28.348		
	4				1.000				23.965				4				1.065				28.500		
2013	1				1.004				24.062			2020	1				1.066				28.710		
	2				1.007				24.140				2				1.060				28.831		
	3				1.008				24.167				3				1.059				29.016		
	4				1.010				24.208				4				1.059				29.196		
2014	1				1.012				24.299			2021	1				1.063				29.373		
	2				1.016				24.405				2				1.079				29.708		
	3				1.019				24.538				3				1.098				30.063		
	4				1.022				24.663				4				1.122				30.463		
2015	1				1.023				24.759			2022	1P				1.148				30.899		
	2				1.026				24.909				2P				1.171				31.306		
	3				1.027				25.013				3P				1.189				31.676		
	4				1.029				25.172				4P				1.200				32.016		
2016	1				1.030				25.313			2023	1P				1.208				32.300		
	2				1.030				25.480				2P				1.216				32.549		
	3				1.029				25.731				3P				1.222				32.785		
	4				1.030				25.938				4P				1.227				33.015		
2017	1				1.032				26.160			2024	1P				1.231				33.246		
	2				1.034				26.322				2P				1.235				33.478		
	3				1.037				26.517				3P				1.239				33.712		
	4				1.040				26.704				4P				1.243				33.947		
<u>CHANGE IN EXPOSURES</u>												<u>MANUFACTURERS</u>				<u>CONTRACTORS</u>							
1/1/2019 to 1/1/2024								(2024:2/2019:2)				1.164				1.188							
1/1/2020 to 1/1/2024								(2024:2/2020:2)				1.165				1.161							
1/1/2021 to 1/1/2024								(2024:2/2021:2)				1.145				1.127							
<u>AVERAGE ANNUAL TREND FACTOR</u>																							
1/1/2019 to 1/1/2024								(5.0 YEARS)				1.031				1.035							
1/1/2020 to 1/1/2024								(4.0 YEARS)				1.039				1.038							
1/1/2021 to 1/1/2024								(3.0 YEARS)				1.046				1.041							

* Projected values are identified by a 'P' in column (1).

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PREMISES / OPERATIONS
OWNERS, LANDLORDS AND TENANTS
AVERAGE ANNUAL EXPOSURE TRENDS ¹

<u>TYPE OF CLASS</u>	<u>VOLUME</u> ²	<u>INFLATION TREND</u> ³
FURNITURE	11.1%	+ 2.6%
OTHER DURABLES	6.8%	- 0.2%
CLOTHING	10.3%	- 0.1%
FOOD	40.8%	+ 2.9%
OTHER NON-DURABLES	28.1%	+ 1.6%
RECREATION SERVICES	2.9%	+ 3.0%
TOTAL	100.0%	+ 2.0% ⁴

1 These figures were derived from data supplied by Moody's Analytics. Neither Moody's Analytics nor any of its third party licensors makes any warranties, expressed or implied, as to the results obtained using their data and forecasts.

2 Volume weights are based on each type of class's inflation-adjusted contribution to GDP in year ending 6/30/2021. Inflation adjusted GDP is measured in terms of 2012 prices.

3 Inflation trends are based on average annual growth rates in consumption components starting 2018 to 2024.

4 This OL&T exposure trend is applied only to those classes in class groups 1-13 which have inflation-sensitive exposure bases.

OWNERS, LANDLORDS AND TENANTS
CLASS GROUPS 1-13
AVERAGE ANNUAL EXPOSURE TREND
PRICE DEFLATOR - PERSONAL CONSUMPTION EXPENDITURE COMPONENTS

YEAR ENDING QUARTER		FURNITURE	OTHER DURABLE GOODS	CLOTHING AND SHOES	FOOD AND BEVERAGES	OTHER NONDURABLE GOODS	RECREATION SERVICES	YEAR ENDING QUARTER		FURNITURE	OTHER DURABLE GOODS	CLOTHING AND SHOES	FOOD AND BEVERAGES	OTHER NONDURABLE GOODS	RECREATION SERVICES
2011	1	1.006	0.987	0.947	0.948	0.973	0.960	2018	1	0.868	0.885	0.991	1.078	1.052	1.114
	2	1.001	0.994	0.949	0.955	0.977	0.964		2	0.866	0.882	0.994	1.082	1.054	1.120
	3	1.000	1.002	0.955	0.965	0.981	0.968		3	0.864	0.879	0.993	1.086	1.055	1.126
	4	1.000	1.008	0.965	0.975	0.985	0.973		4	0.865	0.871	0.993	1.090	1.056	1.131
2012	1	1.001	1.011	0.976	0.984	0.990	0.980	2019	1	0.868	0.862	0.990	1.095	1.056	1.137
	2	1.001	1.009	0.988	0.991	0.993	0.986		2	0.869	0.857	0.984	1.100	1.056	1.142
	3	1.000	1.005	0.994	0.996	0.997	0.993		3	0.872	0.853	0.984	1.105	1.057	1.147
	4	1.000	1.000	1.000	1.000	1.000	1.000		4	0.872	0.852	0.979	1.110	1.060	1.153
2013	1	0.998	0.994	1.005	1.004	1.001	1.005	2020	1	0.870	0.850	0.975	1.113	1.064	1.160
	2	0.994	0.989	1.006	1.008	1.001	1.009		2	0.869	0.843	0.960	1.117	1.067	1.165
	3	0.988	0.985	1.009	1.012	1.001	1.013		3	0.872	0.837	0.942	1.123	1.071	1.171
	4	0.981	0.979	1.010	1.015	1.002	1.017		4	0.878	0.828	0.929	1.129	1.071	1.178
2014	1	0.972	0.970	1.010	1.018	1.004	1.022	2021	1	0.885	0.825	0.922	1.136	1.071	1.185
	2	0.962	0.959	1.012	1.024	1.006	1.028		2	0.896	0.828	0.930	1.145	1.072	1.194
	3	0.954	0.950	1.013	1.030	1.009	1.032		3	0.908	0.832	0.938	1.158	1.073	1.206
	4	0.947	0.940	1.013	1.038	1.013	1.036		4	0.924	0.838	0.948	1.176	1.077	1.219
2015	1	0.940	0.931	1.011	1.045	1.017	1.038	2022	1P	0.947	0.846	0.959	1.195	1.085	1.235
	2	0.936	0.923	1.007	1.050	1.021	1.042		2P	0.966	0.851	0.968	1.213	1.093	1.250
	3	0.930	0.914	1.004	1.054	1.023	1.047		3P	0.982	0.857	0.976	1.227	1.103	1.265
	4	0.924	0.906	1.001	1.058	1.025	1.052		4P	0.994	0.863	0.983	1.238	1.113	1.279
2016	1	0.920	0.902	0.999	1.061	1.028	1.058	2023	1P	0.999	0.866	0.984	1.247	1.121	1.292
	2	0.914	0.901	0.998	1.063	1.030	1.064		2P	1.004	0.868	0.986	1.255	1.129	1.303
	3	0.907	0.899	0.997	1.064	1.034	1.071		3P	1.007	0.869	0.986	1.264	1.137	1.312
	4	0.900	0.899	0.998	1.065	1.038	1.078		4P	1.009	0.870	0.987	1.271	1.145	1.320
2017	1	0.895	0.898	0.998	1.066	1.042	1.086	2024	1P	1.010	0.870	0.988	1.278	1.152	1.327
	2	0.888	0.894	0.997	1.068	1.046	1.092		2P	1.009	0.870	0.988	1.285	1.160	1.335
	3	0.882	0.890	0.995	1.071	1.048	1.100		3P	1.008	0.869	0.989	1.292	1.168	1.342
	4	0.875	0.887	0.992	1.075	1.050	1.108		4P	1.005	0.869	0.990	1.299	1.176	1.350

Change In Exposures *

Average Annual Trend Factor

1/1/2018 to 1/1/2024

(2024:2/2018:2)

1.165

0.986

0.994

1.188

1.100

1.192

1/1/2018 to 1/1/2024

(6.0 YEARS)

+ 2.6%

- 0.2%

- 0.1%

+ 2.9%

+ 1.6%

+ 3.0%

*Assumes a loss cost revision date of January 1, 2023, and a prospective average date of coverage one year later (January 1, 2024).

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PREMISES/OPERATIONS
GOVERNMENTAL SUBDIVISIONS
OWNERS, LANDLORDS AND TENANTS
AVERAGE ANNUAL EXPOSURE TRENDS
FOR ACCIDENT YEARS ENDING 6/30/2019, 6/30/2020 & 6/30/2021

(1) YEAR ENDING QUARTER *		(2) YEARLY VALUES BASED ON MOODY'S ANALYTICS EXPOSURE HISTORY AND FORECASTS @		(1) YEAR ENDING QUARTER *		(2) YEARLY VALUES BASED ON MOODY'S ANALYTICS EXPOSURE HISTORY AND FORECASTS @	
2011	1	0.954		2018	1	1.095	
	2	0.962			2	1.107	
	3	0.971			3	1.119	
	4	0.977			4	1.130	
2012	1	0.984		2019	1	1.136	
	2	0.988			2	1.142	
	3	0.992			3	1.146	
	4	1.000			4	1.149	
2013	1	1.007		2020	1	1.155	
	2	1.016			2	1.158	
	3	1.026			3	1.162	
	4	1.033			4	1.167	
2014	1	1.040		2021	1	1.174	
	2	1.047			2	1.188	
	3	1.053			3	1.205	
	4	1.057			4	1.227	
2015	1	1.057		2022	1P	1.247	
	2	1.058			2P	1.265	
	3	1.058			3P	1.281	
	4	1.057			4P	1.294	
2016	1	1.056		2023	1P	1.305	
	2	1.055			2P	1.316	
	3	1.055			3P	1.324	
	4	1.057			4P	1.332	
2017	1	1.064		2024	1P	1.338	
	2	1.069			2P	1.344	
	3	1.076			3P	1.351	
	4	1.085			4P	1.357	
CHANGE IN EXPOSURES				AVERAGE ANNUAL TREND FACTOR			
1/1/2019 to 1/1/2024	(2024:2/2019:2)	1.177		1/1/2019 to 1/1/2024	(5.0 YEARS)	1.033	
1/1/2020 to 1/1/2024	(2024:2/2020:2)	1.161		1/1/2020 to 1/1/2024	(4.0 YEARS)	1.038	
1/1/2021 to 1/1/2024	(2024:2/2021:2)	1.132		1/1/2021 to 1/1/2024	(3.0 YEARS)	1.042	

* Projected values are identified by a 'P' in column (1).

@ Based on a year-ended quarterly implicit price deflator of state and local government expenditures. GDP accounts are based on 2012 dollars.

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OCCURRENCE SEVERITY TREND
MULTISTATE
MANUFACTURERS AND CONTRACTORS
Calculation of Annual Trend Factor
Based on Average Occurrence Severity
Full Coverage Occurrence Data
Monoline and Multiline Combined
Bodily Injury

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Occurrences at Ultimate	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2011	\$244,720,605	4,360	\$56,133	\$54,442		
6/30/2012	\$219,138,676	3,820	\$57,373	\$55,761		
12/31/2012	\$209,792,549	3,587	\$58,479	\$57,112		
6/30/2013	\$210,782,981	3,615	\$58,302	\$58,496		
12/31/2013	\$216,033,861	3,685	\$58,621	\$59,913	\$58,512	
6/30/2014	\$243,656,896	3,940	\$61,834	\$61,365	\$60,080	
12/31/2014	\$238,957,876	3,718	\$64,278	\$62,851	\$61,689	
6/30/2015	\$220,064,351	3,513	\$62,644	\$64,374	\$63,341	
12/31/2015	\$217,672,366	3,411	\$63,822	\$65,933	\$65,037	\$63,480
6/30/2016	\$215,447,393	3,114	\$69,186	\$67,531	\$66,779	\$65,408
12/31/2016	\$216,725,984	3,109	\$69,704	\$69,167	\$68,568	\$67,394
6/30/2017	\$213,272,077	3,089	\$69,033	\$70,842	\$70,404	\$69,441
12/31/2017	\$216,834,234	3,043	\$71,266	\$72,559	\$72,290	\$71,550
6/30/2018	\$221,791,448	3,087	\$71,850	\$74,317	\$74,226	\$73,723
12/31/2018	\$220,559,335	3,061	\$72,051	\$76,117	\$76,214	\$75,961
6/30/2019	\$215,644,329	2,965	\$72,726	\$77,961	\$78,255	\$78,268
12/31/2019	\$224,449,119	2,968	\$75,617	\$79,850	\$80,351	\$80,645
6/30/2020	\$216,274,059	2,598	\$83,259	\$81,784	\$82,503	\$83,095
12/31/2020	\$195,593,556	2,168	\$90,225	\$83,766	\$84,712	\$85,618
6/30/2021	\$228,494,492	2,399	\$95,245	\$85,795	\$86,981	\$88,218
Goodness of Fit Statistic, R-Squared:				0.896	0.871	0.829
Average Annual Severity Trend (10 yr)				+ 4.9%		
Average Annual Severity Trend (8 yr)				+ 5.4%		
Average Annual Severity Trend (6 yr)				+ 6.2%		
Selected Annual Severity Trend				+ 5.5%		

* Including basic indemnity and allocated loss adjustment expense developed separately to an ultimate settlement basis.

NOTE: Trends are based on reported paid full coverage data developed to ultimate using paid development factors (See Explanatory Pages C-11 to C-12- Explanation of Trend Calculation).

OCCURRENCE SEVERITY TREND
MULTISTATE
MANUFACTURERS AND CONTRACTORS
Calculation of Annual Trend Factor
Based on Average Occurrence Severity
Full Coverage Occurrence Data
Monoline and Multiline Combined
Property Damage

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Occurrences at Ultimate	(4) (2) / (3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2011	\$171,376,201	16,029	\$10,692	\$11,640		
6/30/2012	\$165,447,197	15,415	\$10,733	\$11,919		
12/31/2012	\$173,838,951	14,443	\$12,036	\$12,205		
6/30/2013	\$178,233,525	13,809	\$12,907	\$12,497		
12/31/2013	\$166,648,792	12,961	\$12,858	\$12,796	\$13,499	
6/30/2014	\$176,375,134	12,647	\$13,946	\$13,103	\$13,743	
12/31/2014	\$178,164,142	12,529	\$14,220	\$13,417	\$13,993	
6/30/2015	\$180,732,296	12,303	\$14,690	\$13,738	\$14,246	
12/31/2015	\$184,378,148	12,298	\$14,993	\$14,067	\$14,505	\$14,499
6/30/2016	\$182,374,430	12,338	\$14,782	\$14,404	\$14,768	\$14,760
12/31/2016	\$182,768,126	12,468	\$14,658	\$14,749	\$15,036	\$15,026
6/30/2017	\$183,782,841	12,465	\$14,744	\$15,102	\$15,308	\$15,296
12/31/2017	\$189,828,859	12,138	\$15,639	\$15,464	\$15,586	\$15,572
6/30/2018	\$194,634,935	12,174	\$15,988	\$15,834	\$15,868	\$15,852
12/31/2018	\$199,127,100	12,197	\$16,327	\$16,213	\$16,156	\$16,138
6/30/2019	\$196,074,974	12,084	\$16,226	\$16,601	\$16,449	\$16,429
12/31/2019	\$199,762,148	12,002	\$16,644	\$16,999	\$16,748	\$16,725
6/30/2020	\$193,360,498	11,050	\$17,499	\$17,406	\$17,051	\$17,026
12/31/2020	\$179,964,639	10,347	\$17,393	\$17,823	\$17,360	\$17,333
6/30/2021	\$184,153,979	10,558	\$17,442	\$18,250	\$17,675	\$17,645
Goodness of Fit Statistic, R-Squared:				0.902	0.931	0.912
Average Annual Severity Trend (10 yr)				+ 4.8%		
Average Annual Severity Trend (8 yr)				+ 3.7%		
Average Annual Severity Trend (6 yr)				+ 3.6%		
Selected Annual Severity Trend				+ 4.5%		

* Including basic indemnity and allocated loss adjustment expense developed separately to an ultimate settlement basis.

NOTE: Trends are based on reported paid full coverage data developed to ultimate using paid development factors (See Explanatory Pages C-11 to C-12- Explanation of Trend Calculation).

OCCURRENCE SEVERITY TREND
MULTISTATE
MANUFACTURERS AND CONTRACTORS
Calculation of Annual Trend Factor
Based on Average Occurrence Severity
Full Coverage Occurrence Data
Monoline and Multiline Combined
Fringe

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Occurrences at Ultimate	(4) (2) / (3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2011	\$19,951,586	590	\$33,816	\$42,099		
6/30/2012	\$17,730,636	470	\$37,703	\$41,706		
12/31/2012	\$16,156,417	446	\$36,253	\$41,317		
6/30/2013	\$18,715,418	417	\$44,867	\$40,932		
12/31/2013	\$26,264,689	461	\$57,016	\$40,550	\$45,336	
6/30/2014	\$24,169,968	504	\$47,911	\$40,172	\$44,383	
12/31/2014	\$19,054,105	498	\$38,269	\$39,797	\$43,449	
6/30/2015	\$21,513,041	513	\$41,930	\$39,426	\$42,535	
12/31/2015	\$18,844,285	519	\$36,296	\$39,058	\$41,641	\$38,352
6/30/2016	\$20,998,296	505	\$41,561	\$38,694	\$40,765	\$38,017
12/31/2016	\$19,836,124	475	\$41,765	\$38,333	\$39,907	\$37,684
6/30/2017	\$18,688,114	512	\$36,477	\$37,975	\$39,068	\$37,354
12/31/2017	\$22,240,703	555	\$40,044	\$37,621	\$38,246	\$37,027
6/30/2018	\$22,441,882	562	\$39,942	\$37,270	\$37,442	\$36,703
12/31/2018	\$17,947,517	517	\$34,729	\$36,922	\$36,654	\$36,382
6/30/2019	\$13,454,011	456	\$29,512	\$36,578	\$35,883	\$36,063
12/31/2019	\$10,897,059	456	\$23,877	\$36,237	\$35,129	\$35,747
6/30/2020	\$16,436,624	453	\$36,313	\$35,899	\$34,390	\$35,435
12/31/2020	\$17,671,511	446	\$39,587	\$35,564	\$33,667	\$35,124
6/30/2021	\$25,509,112	582	\$43,839	\$35,232	\$32,958	\$34,817

Goodness of Fit Statistic, R-Squared: 0.096 0.274 0.035

Average Annual Severity Trend (10 yr) - 1.9%

Average Annual Severity Trend (8 yr) - 4.2%

Average Annual Severity Trend (6 yr) - 1.7%

Selected Annual Severity Trend 0.0%

* Including basic indemnity and allocated loss adjustment expense developed separately to an ultimate settlement basis.

NOTE: Trends are based on reported paid full coverage data developed to ultimate using paid development factors (See Explanatory Pages C-11 to C-12- Explanation of Trend Calculation).

OCCURRENCE SEVERITY TREND
MULTISTATE
OWNERS, LANDLORDS AND TENANTS
Calculation of Annual Trend Factor
Based on Average Occurrence Severity
Full Coverage Occurrence Data
Monoline and Multiline Combined
Bodily Injury

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Occurrences at Ultimate	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2011	\$635,108,675	18,461	\$34,404	\$33,030		
6/30/2012	\$583,746,912	16,392	\$35,612	\$33,947		
12/31/2012	\$560,322,320	15,782	\$35,504	\$34,889		
6/30/2013	\$594,239,353	16,522	\$35,966	\$35,858		
12/31/2013	\$643,739,971	17,577	\$36,624	\$36,853	\$35,676	
6/30/2014	\$719,135,620	18,910	\$38,030	\$37,876	\$36,792	
12/31/2014	\$710,131,415	18,204	\$39,009	\$38,928	\$37,943	
6/30/2015	\$713,446,776	17,741	\$40,216	\$40,008	\$39,129	
12/31/2015	\$735,016,262	17,877	\$41,115	\$41,119	\$40,354	\$38,586
6/30/2016	\$698,907,138	16,577	\$42,162	\$42,261	\$41,616	\$40,049
12/31/2016	\$708,374,266	16,721	\$42,365	\$43,434	\$42,918	\$41,567
6/30/2017	\$735,265,210	17,242	\$42,645	\$44,639	\$44,260	\$43,143
12/31/2017	\$753,341,267	17,614	\$42,770	\$45,879	\$45,645	\$44,779
6/30/2018	\$799,252,944	18,106	\$44,143	\$47,152	\$47,073	\$46,477
12/31/2018	\$787,490,015	17,403	\$45,249	\$48,461	\$48,545	\$48,239
6/30/2019	\$767,051,532	16,249	\$47,207	\$49,807	\$50,064	\$50,068
12/31/2019	\$759,155,965	15,348	\$49,462	\$51,189	\$51,630	\$51,966
6/30/2020	\$620,042,655	11,417	\$54,311	\$52,610	\$53,245	\$53,936
12/31/2020	\$438,703,926	7,610	\$57,647	\$54,071	\$54,911	\$55,981
6/30/2021	\$484,243,973	7,458	\$64,929	\$55,572	\$56,628	\$58,103
Goodness of Fit Statistic, R-Squared:				0.874	0.857	0.847
Average Annual Severity Trend (10 yr)				+ 5.6%		
Average Annual Severity Trend (8 yr)				+ 6.4%		
Average Annual Severity Trend (6 yr)				+ 7.7%		
Selected Annual Severity Trend				+ 6.5%		

* Including basic indemnity and allocated loss adjustment expense developed separately to an ultimate settlement basis.

NOTE: Trends are based on reported paid full coverage data developed to ultimate using paid development factors (See Explanatory Pages C-11 to C-12- Explanation of Trend Calculation).

OCCURRENCE SEVERITY TREND
MULTISTATE
OWNERS, LANDLORDS AND TENANTS
Calculation of Annual Trend Factor
Based on Average Occurrence Severity
Full Coverage Occurrence Data
Monoline and Multiline Combined
Property Damage

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Occurrences at Ultimate	(4) (2) / (3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2011	\$75,617,314	8,590	\$8,803	\$7,836		
6/30/2012	\$68,451,600	7,939	\$8,623	\$8,091		
12/31/2012	\$63,378,121	7,538	\$8,408	\$8,354		
6/30/2013	\$65,459,406	7,652	\$8,554	\$8,626		
12/31/2013	\$69,942,555	7,660	\$9,131	\$8,906	\$8,428	
6/30/2014	\$69,187,623	7,921	\$8,734	\$9,195	\$8,753	
12/31/2014	\$68,260,450	7,920	\$8,618	\$9,494	\$9,091	
6/30/2015	\$77,515,295	7,662	\$10,116	\$9,803	\$9,442	
12/31/2015	\$77,837,742	7,678	\$10,137	\$10,122	\$9,806	\$9,439
6/30/2016	\$75,390,436	7,586	\$9,938	\$10,450	\$10,184	\$9,857
12/31/2016	\$79,895,477	7,656	\$10,435	\$10,790	\$10,577	\$10,294
6/30/2017	\$82,697,076	8,139	\$10,161	\$11,141	\$10,985	\$10,750
12/31/2017	\$88,533,097	8,129	\$10,891	\$11,503	\$11,409	\$11,227
6/30/2018	\$92,338,027	7,893	\$11,699	\$11,877	\$11,849	\$11,725
12/31/2018	\$89,454,426	7,621	\$11,738	\$12,263	\$12,306	\$12,245
6/30/2019	\$90,483,924	7,365	\$12,286	\$12,661	\$12,781	\$12,788
12/31/2019	\$92,639,726	7,007	\$13,221	\$13,073	\$13,274	\$13,355
6/30/2020	\$80,655,950	5,656	\$14,261	\$13,498	\$13,787	\$13,947
12/31/2020	\$73,486,551	4,826	\$15,228	\$13,937	\$14,318	\$14,565
6/30/2021	\$76,005,446	4,891	\$15,539	\$14,389	\$14,871	\$15,211

Goodness of Fit Statistic, R-Squared: 0.917 0.939 0.952

Average Annual Severity Trend (10 yr) + 6.6%

Average Annual Severity Trend (8 yr) + 7.9%

Average Annual Severity Trend (6 yr) + 9.1%

Selected Annual Severity Trend + 7.5%

* Including basic indemnity and allocated loss adjustment expense developed separately to an ultimate settlement basis.

NOTE: Trends are based on reported paid full coverage data developed to ultimate using paid development factors (See Explanatory Pages C-11 to C-12- Explanation of Trend Calculation).

OCCURRENCE SEVERITY TREND
MULTISTATE
OWNERS, LANDLORDS AND TENANTS
Calculation of Annual Trend Factor
Based on Average Occurrence Severity
Full Coverage Occurrence Data
Monoline and Multiline Combined
Fringe

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Occurrences at Ultimate	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2011	\$51,178,326	430	\$119,099	\$82,161		
6/30/2012	\$38,111,431	350	\$108,862	\$81,337		
12/31/2012	\$27,589,427	339	\$81,379	\$80,522		
6/30/2013	\$28,478,128	380	\$75,041	\$79,715		
12/31/2013	\$32,665,357	394	\$82,863	\$78,916	\$65,202	
6/30/2014	\$38,060,569	460	\$82,737	\$78,125	\$65,875	
12/31/2014	\$34,076,594	521	\$65,380	\$77,342	\$66,555	
6/30/2015	\$37,047,411	600	\$61,709	\$76,567	\$67,242	
12/31/2015	\$42,742,160	684	\$62,494	\$75,799	\$67,936	\$57,556
6/30/2016	\$39,563,317	693	\$57,068	\$75,039	\$68,638	\$59,601
12/31/2016	\$36,080,461	651	\$55,436	\$74,287	\$69,347	\$61,718
6/30/2017	\$35,885,937	562	\$63,856	\$73,543	\$70,062	\$63,910
12/31/2017	\$43,886,801	538	\$81,547	\$72,806	\$70,786	\$66,180
6/30/2018	\$44,916,191	553	\$81,230	\$72,076	\$71,517	\$68,531
12/31/2018	\$35,770,466	540	\$66,228	\$71,354	\$72,255	\$70,965
6/30/2019	\$25,659,235	439	\$58,444	\$70,638	\$73,001	\$73,486
12/31/2019	\$25,045,607	432	\$57,914	\$69,930	\$73,755	\$76,096
6/30/2020	\$33,252,723	441	\$75,359	\$69,230	\$74,516	\$78,800
12/31/2020	\$34,552,919	350	\$98,675	\$68,536	\$75,286	\$81,599
6/30/2021	\$27,452,226	289	\$94,917	\$67,849	\$76,063	\$84,497

Goodness of Fit Statistic, R-Squared: 0.080 0.083 0.413

Average Annual Severity Trend (10 yr) - 2.0%

Average Annual Severity Trend (8 yr) + 2.1%

Average Annual Severity Trend (6 yr) + 7.2%

Selected Annual Severity Trend + 0.5%

* Including basic indemnity and allocated loss adjustment expense developed separately to an ultimate settlement basis.

NOTE: Trends are based on reported paid full coverage data developed to ultimate using paid development factors (See Explanatory Pages C-11 to C-12- Explanation of Trend Calculation).

PREMISES/OPERATIONS
MANUFACTURERS AND CONTRACTORS

FREQUENCY TREND INCLUDING FRINGE OCCURRENCES¹
MULTISTATE

Manual Classes (Full and Deductible Coverage)
Monoline and Multiline Combined
CGL Policies Only

Bodily Injury and Property Damage Combined

(1) Accident Year Ending	(2) Aggregate Loss Costs at Current Level	(3) Occurrences at Ultimate ¹	(4) Occurrence Frequency <u>(3) / (2)²</u>
6/30/2008	\$ 925,822,673	28,401	30.68
6/30/2009	\$ 950,840,408	29,210	30.72
6/30/2010	\$ 879,266,372	28,573	32.50
6/30/2011	\$ 896,801,872	29,149	32.50
6/30/2012	\$ 908,893,068	27,301	30.04
6/30/2013	\$ 900,793,788	26,502	29.42
6/30/2014	\$ 960,599,434	27,712	28.85
6/30/2015	\$ 991,547,126	27,388	27.62
6/30/2016	\$ 1,013,509,252	27,502	27.14
6/30/2017	\$ 1,034,351,867	28,520	27.57
6/30/2018	\$ 1,062,410,728	28,700	27.01
6/30/2019	\$ 1,082,152,230	28,053	25.92
6/30/2020	\$ 1,100,343,798	23,964	21.78
6/30/2021	\$ 1,067,782,550	23,345	21.86

Selected Annual Frequency Trend: - 0.5%

¹ Occurrences are based on reported paid amounts developed to ultimate using paid development factors.

² Frequency is per \$1,000,000 Aggregate Loss Costs at Current Level.

PREMISES/OPERATIONS
OWNERS, LANDLORDS AND TENANTS

FREQUENCY TREND INCLUDING FRINGE OCCURRENCES¹
MULTISTATE
Manual Classes (Full and Deductible Coverage)
Monoline and Multiline Combined
CGL Policies Only

Bodily Injury and Property Damage Combined

(1) Accident Year Ending	(2) Aggregate Loss Costs at Current Level	(3) Occurrences at Ultimate ¹	(4) Occurrence Frequency (3) / (2) ²
6/30/2008	\$ 1,184,044,656	31,943	26.98
6/30/2009	\$ 1,337,016,566	33,372	24.96
6/30/2010	\$ 1,404,527,388	33,148	23.60
6/30/2011	\$ 1,447,502,978	33,347	23.04
6/30/2012	\$ 1,444,012,580	28,752	19.91
6/30/2013	\$ 1,421,279,803	28,568	20.10
6/30/2014	\$ 1,488,516,237	32,034	21.52
6/30/2015	\$ 1,592,407,554	31,166	19.57
6/30/2016	\$ 1,606,674,636	30,192	18.79
6/30/2017	\$ 1,626,057,534	31,624	19.45
6/30/2018	\$ 1,636,734,430	32,665	19.96
6/30/2019	\$ 1,601,822,992	30,529	19.06
6/30/2020	\$ 1,493,460,692	22,578	15.12
6/30/2021	\$ 1,359,013,984	18,562	13.66

Selected Annual Frequency Trend: - 0.5%

¹ Occurrences are based on reported paid amounts developed to ultimate using paid development factors.

² Frequency is per \$1,000,000 Aggregate Loss Costs at Current Level.

PREMISES/OPERATIONS (SUBLINE CODE 334)

CLASS GROUPS AND DIFFERENTIALS

*Base Class

<u>CLASS GROUP 01</u>		<u>CLASS GROUP 03</u>					
10100	1.03	10026	1.24	12467	0.32	18335	0.70
10146	0.46	10042	0.71	12805	0.62	18437	1.00 *
10352	0.60	10060	0.34	12841	1.03	18438	1.92
11258	1.24	10065	0.51	12927	0.18	18507	0.36
11259	1.33	10066	0.52	13314	0.23	18570	3.76
11288	1.52	10071	0.61	13351	0.56	18708	0.22
13111	1.15	10101	0.46	13352	0.57	18834	0.57
13673	0.94	10105	4.98	13506	1.76	18911	1.80
13720	0.53	10113	0.69	13507	2.12	18912	3.39
14401	1.25	10115	1.37	13716	0.87	18920	0.88
15224	0.56	10130	6.79	13759	0.34	19795	0.59
18435	1.09	10132	5.85	14068	0.075	19796	0.69
18436	0.88	10150	0.95	14101	0.88	41510	90.50
18501	1.00 *	10151	23.92	14655	0.17	45900	0.21
		10160	4.26	14733	1.19	45901	0.18
<u>CLASS GROUP 02</u>		10204	0.43	14734	0.51	48808	3.10
16900	1.95	10205	0.48	14913	0.64	49111	4.74
16901	1.25	10210	0.77	15314	0.41		<u>CLASS GROUP 04</u>
16902	1.06	10211	0.77	15538	0.73	10133	12.18
16905	2.05	10220	9.04	15600	1.84	11052	12.67
16906	1.31	10309	0.31	15608	0.41	11167	2.92
16910	1.17	10315	0.73	15656	12.11	11168	15.14
16911	1.06	11020	0.58	15839	0.55	14731	12.57
16915	1.20	11126	0.12	15991	0.45	14732	0.93
16916	1.00 *	11155	0.41	15993	0.38	15123	12.15
16920	2.66	11204	0.60	16402	2.72	15124	4.25
16921	2.43	11234	0.54	16403	1.72	19007	4.75
16930	1.53	11273	26.77	16404	2.17	19051	10.53
16931	1.65	11274	25.69	16676	0.57	44009	14.81
16940	3.32	12356	2.27	16750	0.20	49617	1.00 *
16941	1.33	12374	1.18	16751	0.20	49618	0.84
		12375	0.58	16881	3.13	49619	1.58
		12393	0.77	18109	0.75	49763	10.26
				18110	0.60		
				18206	0.97		

PREMISES/OPERATIONS (SUBLINE CODE 334)

CLASS GROUPS AND DIFFERENTIALS

*Base Class

<u>CLASS GROUP 05</u>		16705	3.19	41669	0.25	44430	9.63
10140	0.46	18078	1.81	41670	0.42	44431	30.76
10141	0.92	18205	2.79	43518	5.97	44432	9.75
10145	4.43	18707	0.15	43626	4.77	44433	310.66
12361	1.00 *	18833	1.79	43628	61.99	44434	594.24
13049	0.52	<u>CLASS GROUP 07</u>		43629	52.53	44435	615.31
13112	0.85	10015	2.95	43760	1.75	44436	718.67
13670	0.56	10052	2.04	44069	5.10	44437	595.63
15223	0.66	10054	1.81	44070	1.51	44438	470.71
<u>CLASS GROUP 06</u>		10110	10.04	44071	1.68	44439	916.25
10010	1.59	10117	2.93	44072	1.16	44440	758.14
10011	0.38	10120	6.57	44311	3.08	46112	1.00 *
10012	0.44	10331	4.00	44315	2.07	<u>CLASS GROUP 09</u>	
10025	0.38	10332	6.90	46911	9.44	45190	1.00 *
10027	0.38	10378	4.05	46912	17.29	45191	0.71
10040	1.21	10379	1.88	47318	3.88	45192	0.83
10070	0.91	10380	3.21	47420	0.85	45193	0.49
10111	1.99	10381	2.78	48206	12.62	45210	0.62
11127	5.07	11138	1.00 *	48441	0.053	46202	1.27
11128	6.84	16670	1.66	48557	5.30	64074	7.06
11203	11.79	40045	91.94	48558	4.61	64075	4.97
12362	1.00 *	40046	18.17	48637	4.05		
12373	0.38	40047	6.48	48638	2.01		
12391	0.75	40059	2.32	48925	96.91		
12707	6.56	40061	1.23	49870	40.51		
12797	1.38	40063	41.16	63217	18.47		
13715	1.00	40064	12.10	63218	6.22		
13930	2.13	40111	3.26	<u>CLASS GROUP 08</u>			
14527	4.07	41001	0.11	40101	254.14		
16005	0.53	41664	13.92	40102	224.55		
16501	1.12	41665	1.63	44427	918.85		
16527	1.72	41667	38.05	44428	924.07		
		41668	35.67	44429	13.85		

PREMISES/OPERATIONS (SUBLINE CODE 334)

CLASS GROUPS AND DIFFERENTIALS

*Base Class

<u>CLASS GROUP 10</u>		61000	0.99	65007	1.65	49181	0.82
		63010	1.80	66122	0.71	49183	1.00 *
41421	0.015	63011	2.25	66123	0.39	49184	2.11
41422	0.008	63012	3.20	66309	1.14	49185	1.92
41603	0.71	63013	3.03	66561	2.64	49292	0.060
41604	0.39	68500	0.22	67017	2.45	49333	0.44
41650	1.00 *	<u>CLASS GROUP 12@</u>		67634	2.12	49801	6.88
41680	0.52	41678	3.04	67635	1.50	49802	0.61
41715	0.33	43152	0.91	68001	4.58	49803	1.08
41716	0.21	46362	10.61	68439	5.89		
46004	0.95	46426	1.55	68604	0.11		
46005	0.76	46427	2.07	68606	0.43		
47469	0.15	46603	0.13	68607	0.34		
47471	0.13	46604	0.15	68702	0.28		
47473	0.17	46606	0.40	68703	0.21		
47474	0.19	46607	0.55	68706	0.90		
47475	0.15	48600	3.10	68707	0.89		
47476	0.15	60035	1.86	<u>CLASS GROUP 13</u>			
47477	0.20	61212	1.00 *	40075	1.87		
47478	0.21	61216	1.11	43151	0.93		
67508	1.20	61217	1.01	43200	3.54		
67509	0.88	61218	0.69	43421	0.97		
67510	0.49	61223	4.66	43422	5.09		
67511	0.53	61224	1.65	43550	3.46		
67512	2.27	61225	2.29	43551	1.92		
67513	1.44	61226	3.65	44276	4.75		
<u>CLASS GROUP 11</u>		61227	3.34	44277	3.08		
60010	1.00 *	62000	0.76	45334	2.04		
60011	1.15	62001	0.57	45450	0.60		
60012	1.89	62002	0.26	45937	0.008		
60013	1.62	62003	0.82	46700	7.12		
60015	1.21	63215	2.71	47221	7.81		
60016	1.36	63216	1.88	48039	2.51		

@ The differentials for CG 12 do not reflect the class-specific adjustments for COVID-19.

PREMISES/OPERATIONS (SUBLINE CODE 334)

CLASS GROUPS AND DIFFERENTIALS

*Base Class

CLASS GROUP 14							CLASS GROUP 16	
10020	(a)	40140	(a)	46882	(a)		44100	0.96
10119	(a)	41210	(a)	46913	(a)		44101	1.00 *
10135	(a)	41666	(a)	46914	(a)		44102	0.78
10375	(a)	41672	(a)	46915	(a)		44103	0.69
11101	(a)	41673	(a)	46916	(a)		44104	0.29
11120	(a)	41700	(a)	47051	(a)		44108	0.34
11160	(a)	43007	(a)	47052	(a)		44109	0.86
13208	(a)	43117	(a)	47103	(a)		44110	0.88
13461	(a)	43215	(a)	47146	(a)		44111	0.54
15119	(a)	43424	(a)	47147	(a)		44112	0.32
15120	(a)	43517	(a)	47253	(a)			
15300	(a)	43754	(a)	47254	(a)			
16722	(a)	43945	(a)	47468	(a)			
16723	(a)	43946	(a)	47600	(a)			
18200	(a)	43990	(a)	47610	(a)			
18991	(a)	43991	(a)	48177	(a)			
19061	(a)	44105	(a)	48178	(a)			
40005	(a)	44106	(a)	48252	(a)			
40006	(a)	44113	(a)	48610	(a)			
40010	(a)	44193	(a)	48727	(a)			
40015	(a)	44194	(a)	48924	(a)			
40020	(a)	44222	(a)	49305	(a)			
40026	(a)	44500	(a)	49451	(a)			
40031	(a)	44501	(a)	49452	(a)			
40032	(a)	45224	(a)	49800	(a)			
40040	(a)	45225	(a)	49890	(a)			
40041	(a)	45523	(a)	49891	(a)			
40042	(a)	45524	(a)	49902	(a)			
40066	(a)	45539	(a)	49903	(a)			
40067	(a)	45993	(a)	63219	(a)			
40069	(a)	46510	(a)	63220	(a)			
40072	(a)	46590	(a)	64500	(a)			
40115	(a)	46671	(a)	97501	(a)			
40117	(a)	46773	(a)	97502	(a)			
		46822	(a)	97503	(a)			
		46881	(a)	97504	(a)			

PREMISES/OPERATIONS (SUBLINE CODE 334)

CLASS GROUPS AND DIFFERENTIALS

*Base Class

CLASS GROUP 30		CLASS GROUP 31		CLASS GROUP 32			
91111	1.07	91302	2.47	90089	2.69	94099	1.56
91127	0.72	91315	0.75	91125	1.62	94225	5.49
91150	0.68	91324	1.67	91160	0.65	94276	2.86
91155	1.51	91340	1.09	91175	0.56	94404	2.71
91235	0.83	91342	1.00 *	91177	2.45	94569	1.83
91250	1.25	91405	1.27	91179	2.46	94590	7.89
91555	0.50	95625	1.18	91190	1.32	94617	2.49
92215	1.19	96611	0.25	91341	2.81	95124	0.92
92451	0.83	97047	0.76	91343	0.62	95233	1.97
92593	10.90	97050	0.59	91436	3.18	95305	2.14
94304	1.06	98305	0.61	91481	11.61	95310	5.11
94381	1.99	98306	1.57	91507	1.71	95410	2.76
95647	1.00 *	98344	0.17	91523	26.37	95487	1.48
96053	0.76	98405	0.28	91547	0.15	95620	1.20
97222	0.55	98810	0.86	91551	0.93	96408	2.39
97223	0.83	98813	0.83	91562	2.07	96409	2.21
98111	0.21	99004	0.69	91577	7.41	96410	1.94
98164	0.70	99600	0.30	91590	2.15	96702	2.75
98636	1.02	99614	0.67	91666	0.58	96816	2.58
98806	0.95	99777	1.49	91746	2.07	97111	3.30
98993	1.95	99826	0.17	91805	0.13	97650	2.28
99505	1.65	99952	1.26	92053	0.32	97653	1.95
99506	2.03	99953	1.36	92054	0.11	97654	3.40
99507	1.77	99954	0.99	92055	3.07	98003	0.61
99570	0.95	99955	1.24	92101	4.80	98090	0.082
99571	0.23	99975	1.10	92102	2.89	98091	0.089
99572	0.45			92338	1.11	98092	0.27
99573	0.43			92446	3.65	98257	0.92
99650	0.45			92447	3.19	98304	3.41
99709	1.11			92453	2.02	98307	1.08
99948	2.35			92478	1.00 *	98308	0.71
				94007	6.85	98413	8.98
						98414	8.22
						98415	1.08

PREMISES/OPERATIONS (SUBLINE CODE 334)

CLASS GROUPS AND DIFFERENTIALS

*Base Class

CLASS GROUP 34
(cont'd)

15406	1.35
15488	3.37
15733	0.88
16009	1.08
16588	0.50
16604	0.84
16694	1.66
16819	4.78
16820	3.70
16890	0.56
16891	0.61
16892	1.11
18506	1.76
18616	1.34
45380	1.03
45771	1.57
45819	0.51
49239	0.77
51315	0.50
51357	0.71
51358	1.71
51359	1.50
59925	1.54
59926	1.31
59927	0.88

CLASS GROUP 35

51300	0.91
51305	0.91
51350	1.53
51351	1.37
51352	1.88
51355	1.28
51356	1.38
51575	0.41
51666	0.65
51767	0.19
51777	0.66
51790	1.10
51833	0.99
51900	0.74
52315	0.86
52744	3.79
53374	1.00 *
53375	0.53
53376	0.85
53377	0.87
53403	0.55
53565	0.64
55371	2.55
55802	0.66
56488	1.10
56690	0.57
57403	1.35
58020	1.45
58713	0.42
59188	2.88
59189	3.95
59482	3.00
59647	1.34

59773	0.17
59774	0.14
59775	0.18
59889	0.56

CLASS GROUP 36

50010	5.03
50012	1.86
50015	3.27
50017	2.49
50019	1.33
50045	5.69
50047	0.64
51201	0.86
51205	2.62
51206	0.41
51240	10.34
51241	30.72
51251	0.89
51252	3.12
51253	2.66
51254	0.83
51340	0.85
51370	10.10
51380	1.01
51500	1.91
51550	2.36
51551	0.82
51552	1.42
51553	2.53
51554	0.24
51576	4.54
51600	3.09
51613	2.04

51741	5.38
51752	4.54
51796	1.96
51808	6.97
51809	8.65
51869	2.31
51877	13.01
51889	2.14
51896	1.00 *
51919	2.16
51926	2.20
51927	1.19
51934	2.41
51941	2.19
51942	3.50
51956	9.45
51957	8.33
51958	7.40
51959	7.58
51960	1.00
51970	4.35
51982	1.28
51986	5.03
51999	2.12
52002	1.86
52109	0.47
52134	6.23
52150	11.47
52402	0.47
52432	2.33
52433	2.13
52435	2.67
52438	1.93
52440	3.03
52467	2.80

PREMISES/OPERATIONS (SUBLINE CODE 334)

CLASS GROUPS AND DIFFERENTIALS

*Base Class

CLASS GROUP 36	56041	1.78	58058	2.38	59725	1.87
(cont'd)	56042	2.24	58095	3.35	59726	1.36
52469	56202	1.78	58096	4.45	59738	4.34
52505	56390	3.11	58302	1.20	59790	3.35
52581	56391	2.67	58397	6.97	59867	3.77
52619	56427	4.30	58503	1.86	59886	0.51
52911	56699	1.98	58532	2.40	59905	2.36
52967	56758	1.68	58559	0.49	59914	13.86
53001	56759	1.72	58560	1.18	59923	0.34
53077	56760	2.47	58575	1.52	59931	6.23
53095	56805	3.25	58627	4.88	59932	6.71
53096	56806	2.30	58682	4.34	59941	2.09
53121	56807	2.28	58737	3.15	59955	0.80
53271	56808	2.98	58757	10.62	59963	5.95
53631	56900	2.86	58759	1.31	59964	13.94
53632	56910	1.43	58802	1.49	59973	3.84
53731	56980	2.48	58822	4.10	59984	1.05
53732	57001	0.85	58903	0.94	59985	4.11
53733	57002	0.55	58904	0.72	59986	3.14
53907	57202	2.20	59005	1.78	59989	0.55
54077	57257	2.73	59057	13.18		
55010	57401	1.55	59058	8.53		
55011	57410	0.75	59257	0.48		
55012	57572	0.44	59306	3.01		
55214	57600	1.31	59481	8.09		
55597	57625	11.52	59601	3.05		
55647	57651	1.40	59660	5.61		
55648	57798	0.71	59661	2.75		
55649	57800	2.65	59693	0.46		
55715	57913	3.43	59701	0.22		
55716	57998	1.52	59713	5.02		
55918	58010	3.53	59722	2.60		
55919	58056	4.21	59723	0.98		
56040	58057	2.65	59724	1.50		

PREMISES/OPERATIONS (SUBLINE CODE 334)

CLASS GROUPS AND DIFFERENTIALS

*Base Class

CLASS GROUP 37					
48636	10.49	52076	1.47	57090	1.83
50011	0.58	52137	0.48	57146	1.16
50018	0.53	52341	0.30	57411	0.28
51001	0.36	52342	0.87	57611	0.60
51005	0.074	52343	0.53	57690	0.78
51116	0.91	52401	1.64	57716	0.37
51210	0.63	52547	1.42	57725	0.81
51220	2.16	52767	1.30	57726	0.63
51221	1.20	53147	0.22	57808	0.31
51222	1.46	53229	1.23	57809	0.32
51224	1.53	53333	1.21	57810	0.31
51230	0.26	53425	1.14	57871	0.37
51250	1.66	53803	2.72	57999	0.51
51255	4.21	55013	1.03	58009	0.51
51330	0.64	55426	1.25	58301	0.39
51333	0.21	55717	1.65	58663	2.57
51400	1.50	55718	1.60	58756	0.48
51401	2.21	56170	1.12	58813	1.18
51625	0.33	56171	0.55	58837	2.37
51702	0.99	56567	1.16	58840	0.71
51703	0.41	56650	3.55	58873	1.13
51734	0.77	56651	1.93	58922	1.88
51850	1.55	56652	1.38	59223	1.17
51851	1.05	56653	1.33	59378	0.76
51852	2.46	56654	0.68	59537	0.82
51853	0.99	56911	1.00 *	59750	0.61
51854	2.22	56912	0.81	59751	0.22
51855	2.33	56913	0.66	59781	0.53
51856	1.28	56915	3.91	59782	0.79
51857	2.19	56916	3.53	59783	0.77
51909	1.40	56917	1.02	59784	0.59
52075	1.22	56918	0.49	59798	2.01
		56919	1.25	59806	1.44
		56920	1.14	59892	0.77

PREMISES/OPERATIONS (SUBLINE CODE 334)

CLASS GROUPS AND DIFFERENTIALS

*Base Class

CLASS GROUP 38	46622	10.69	53905	(a)	98158	(a)
	47050	1.00 *	53951	(a)	98162	(a)
10072	47367	0.25	53952	(a)	98428	(a)
10367	49005	0.17	53953	(a)	98430	(a)
10368	49840	1.03	54444	(a)	98622	(a)
11007	51516	0.075	55014	(a)	98623	(a)
11201	51517	0.085	55410	(a)	98698	(a)
11202	51985	0.070	58561	(a)	98871	(a)
11206	52660	0.089	59695	(a)	99081	(a)
11207	53734	0.45	91210	(a)	99082	(a)
11208	54012	0.045	91280	(a)	99083	(a)
11209	57997	0.10	91325	(a)	99084	(a)
11210	58408	0.059	91581	(a)	99085	(a)
11211	58409	0.075	91582	(a)	99160	(a)
11212	58456	0.040	91583	(a)	99221	(a)
11213	58457	0.058	91584	(a)	99445	(a)
11214	58458	0.075	91585	(a)	99798	(a)
11222	58459	0.09	91586	(a)	99803	(a)
14405			91587	(a)	99986	(a)
15070	CLASS GROUP 39		91588	(a)	99987	(a)
15607	11205	(a)	91589	(a)		
15699	13206	(a)	91591	(a)		
16471	13207	(a)	91618	(a)		
41620	13411	(a)	94444	(a)		
41677	15060	(a)	94638	(a)		
41696	15061	(a)	95358	(a)		
41697	18575	(a)	95630	(a)		
43470	41675	(a)	95648	(a)		
43822	41679	(a)	96703	(a)		
43840	44010	(a)	96930	(a)		
43860	51211	(a)	97002	(a)		
43889	52876	(a)	97003	(a)		
44280	53901	(a)	97221	(a)		
45678	53902	(a)	98150	(a)		
	53903	(a)	98151	(a)		
	53904	(a)	98156	(a)		

MULTISTATE
PRODUCTS
CALCULATION OF AGGREGATE LOSS COSTS
AT CURRENT LEVEL
COMBINED SINGLE LIMIT

		\$100,000							TRENDED \$100,000
TYPE OF	ACCIDENT	BASIC LIMIT		EXPOSURE					BASIC LIMIT
<u>POLICY</u>	<u>YEAR</u>	AGGREGATE LOSS COSTS		DEVELOPMENT		EXPOSURE		AVERAGE	AGGREGATE LOSS COSTS
	<u>ENDING</u>	<u>AT CURRENT LEVEL</u>	X	<u>FACTOR +@</u>	X	<u>TREND #</u>	X	<u>IPMF *</u>	= <u>AT CURRENT LEVEL</u>
MONOLINE	12/31/2017	\$31,814,688		1.000		1.108			\$35,250,674
	12/31/2018	\$29,747,068		1.000		1.095			\$32,573,040
	12/31/2019	\$31,192,982		0.999		1.083			\$33,748,217
	12/31/2020	\$29,792,841		0.959		1.087			\$31,057,041
MULTILINE	12/31/2017	\$88,015,163		1.000		1.116		0.878	\$86,241,481
	12/31/2018	\$89,841,787		1.000		1.100		0.878	\$86,769,198
	12/31/2019	\$92,474,122		0.999		1.087		0.878	\$88,167,751
	12/31/2020	\$91,679,309		0.959		1.092		0.878	\$84,296,024
TOTAL	12/31/2017								\$121,492,155
	12/31/2018								\$119,342,238
	12/31/2019								\$121,915,968
	12/31/2020								\$115,353,065

+ THE DERIVATION OF THE EXPOSURE DEVELOPMENT FACTOR IS SHOWN IN SECTION C, EXHIBIT C11 - CALCULATION OF EXPOSURE DEVELOPMENT FACTORS.

@ THE EXPOSURE DEVELOPMENT FACTOR FOR THE LATEST YEAR HAS BEEN ADJUSTED BY APPLYING A FACTOR OF 0.960 TO REFLECT THE REDUCED EXPECTED EXPOSURE FOR PRODUCTS DUE TO THE COVID-19 PANDEMIC AND THE ECONOMIC RECESSION IN 2020. THE DERIVATION OF THE ADJUSTMENT IS EXPLAINED IN SECTION D.

AGGREGATE LOSS COSTS AT CURRENT LEVEL HAVE BEEN TRENDED FROM AN AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 07/01/2022 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION C, EXHIBIT C14 - AVERAGE ANNUAL EXPOSURE TRENDS.

* THE IMPLICIT PACKAGE MODIFICATION FACTORS APPLIED TO THE DATA FOR INDIVIDUAL PROGRAMS ARE SHOWN IN SECTION C, EXHIBIT C10 - IMPLICIT PACKAGE MODIFICATION FACTORS BY TYPE OF POLICY.

MULTISTATE
PRODUCTS
OCCURRENCE
FULL COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000	\$100,000					\$100,000		
			BASIC LIMIT	BASIC LIMIT	UNALLOCATED		BASIC LIMIT				
			LOSSES	INDEMNITY	LOSS		DEVELOPED &				
			AND ALAE *	X	DEVELOPMENT	X	ADJUSTMENT	SEVERITY	FREQUENCY	=	TRENDED LOSSES
					FACTOR		FACTOR	X	TREND		AND ALAE
BI	B/L INDEMNITY	12/31/2017	\$14,414,487		1.024		1.080		1.194	0.913	\$17,377,929
		12/31/2018	\$14,035,898		1.108		1.080		1.159	0.927	\$18,045,416
		12/31/2019	\$9,312,243		1.478		1.080		1.126	0.941	\$15,749,998
		12/31/2020	\$6,982,948		2.120		1.080		1.093	0.956	\$16,706,154
BI	ALAE	12/31/2017	\$19,047,802				1.080		1.194	0.913	\$22,425,582
		12/31/2018	\$21,563,036				1.080		1.159	0.927	\$25,020,549
		12/31/2019	\$14,061,730				1.080		1.126	0.941	\$16,091,277
		12/31/2020	\$13,749,165				1.080		1.093	0.956	\$15,515,941
PD	B/L INDEMNITY	12/31/2017	\$21,642,806		1.120		1.080		1.302	0.913	\$31,119,822
		12/31/2018	\$18,214,771		1.148		1.080		1.246	0.927	\$26,084,777
		12/31/2019	\$18,737,036		1.241		1.080		1.193	0.941	\$28,192,040
		12/31/2020	\$13,216,491		1.419		1.080		1.141	0.956	\$22,093,568
PD	ALAE	12/31/2017	\$27,938,485				1.080		1.302	0.913	\$35,868,100
		12/31/2018	\$21,021,492				1.080		1.246	0.927	\$26,223,163
		12/31/2019	\$23,738,824				1.080		1.193	0.941	\$28,781,473
		12/31/2020	\$16,653,694				1.080		1.141	0.956	\$19,619,045
TOTAL											
FULL COVERAGE		12/31/2017									\$106,791,433
		12/31/2018									\$95,373,905
		12/31/2019									\$88,814,788
		12/31/2020									\$73,934,708

* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Explanatory Pages C-6 to C-8.

MULTISTATE
PRODUCTS
OCCURRENCE
DED COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000	X	\$100,000	X	UNALLOCATED LOSS		X	SEVERITY	X	FREQUENCY	=	\$100,000
			BASIC LIMIT LOSSES AND ALAE *		BASIC LIMIT INDEMNITY DEVELOPMENT FACTOR		LOSS ADJUSTMENT FACTOR	TREND		TREND		BASIC LIMIT DEVELOPED & TRENDED LOSSES AND ALAE		
BI	B/L INDEMNITY	12/31/2017	\$2,242,389		1.022		1.080		1.194		0.913			\$2,698,117
		12/31/2018	\$1,794,683		1.149		1.080		1.159		0.927			\$2,392,736
		12/31/2019	\$1,558,093		1.499		1.080		1.126		0.941			\$2,672,679
		12/31/2020	\$645,485		1.845		1.080		1.093		0.956			\$1,343,954
BI	ALAE	12/31/2017	\$2,916,131				1.080		1.194		0.913			\$3,433,254
		12/31/2018	\$2,028,138				1.080		1.159		0.927			\$2,353,339
		12/31/2019	\$2,523,848				1.080		1.126		0.941			\$2,888,118
		12/31/2020	\$1,196,613				1.080		1.093		0.956			\$1,350,378
PD	B/L INDEMNITY	12/31/2017	\$4,093,457		1.073		1.080		1.302		0.913			\$5,638,914
		12/31/2018	\$4,044,711		1.127		1.080		1.246		0.927			\$5,686,342
		12/31/2019	\$2,934,375		1.232		1.080		1.193		0.941			\$4,383,088
		12/31/2020	\$2,489,873		1.422		1.080		1.141		0.956			\$4,171,037
PD	ALAE	12/31/2017	\$5,345,645				1.080		1.302		0.913			\$6,862,868
		12/31/2018	\$4,222,281				1.080		1.246		0.927			\$5,267,065
		12/31/2019	\$3,798,798				1.080		1.193		0.941			\$4,605,746
		12/31/2020	\$3,054,830				1.080		1.141		0.956			\$3,598,772
TOTAL DED COVERAGE		12/31/2017												\$18,633,153
		12/31/2018												\$15,699,482
		12/31/2019												\$14,549,631
		12/31/2020												\$10,464,141
TOTAL OCCURRENCE		12/31/2017												\$125,424,587
		12/31/2018												\$111,073,386
		12/31/2019												\$103,364,419
		12/31/2020												\$84,398,850

* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Explanatory Pages C-6 to C-8.

Multistate

Products

Subline Code 336

Combined Single Limit

Implicit Package Modification Factors (A) by Type of Policy

<u>Type of Policy (B)</u>	<u>Description</u>	<u>Implicit Package Modification Factors</u>
31	Not Applicable	--
32	Not Applicable	--
33	Not Applicable	--
34	Mercantile Policy	0.857
35	Not Applicable	--
36	Service Policy	0.932
37	Industrial / Processing Policy	0.888
38	Not Applicable	--

(A) Implicit Package Modification Factors shown above reflect the package modifications currently in the ISO manual for Products for each type of package policy. More specifically, the G.L. and Property Implicit Package Modification Factors are calculated so that they average to the current manual CPP modification factors that apply to both property and liability.

(B) Combined data for risks written under the ISO CPP Program and individual insurer CMP programs have been used. These Implicit Package Modification Factors were applied to the aggregate loss costs at current level in each accident year. The average implicit package modification factor for each accident year is shown in Section C, Exhibit C9, page 1 - Calculation of Aggregate Loss Costs at Current Level. The difference in average implicit package modification factor results from varying aggregate loss-costs-at-current-level distributions by Type of Policy in each year.

MULTISTATE
PRODUCTS

COMBINED SINGLE LIMIT
TOTAL LIMITS PREMIUM DEVELOPMENT
SUBLINE 336
FULL & DEDUCTIBLE
ACCIDENT YEAR DATA

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
12/31/2013	296,572,888	299,206,758	298,956,535	298,941,437	298,911,484	298,912,053	298,906,089	298,906,089
12/31/2014	305,713,706	312,412,678	312,251,959	312,191,473	312,112,712	312,106,587	312,106,587	
12/31/2015	309,562,694	310,299,067	310,132,450	310,017,678	309,888,281	309,888,200		
12/31/2016	297,277,031	296,717,575	296,686,387	296,745,015	296,750,284			
12/31/2017	291,422,431	292,586,850	292,439,530	292,421,815				
12/31/2018	287,235,105	287,373,471	287,373,310					
12/31/2019	285,048,561	282,849,767						
12/31/2020	267,744,800							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
12/31/2013	1.009	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2014	1.022	0.999	1.000	1.000	1.000	1.000	
12/31/2015	1.002	0.999	1.000	1.000	1.000		
12/31/2016	0.998	1.000	1.000	1.000			
12/31/2017	1.004	0.999	1.000				
12/31/2018	1.000	1.000					
12/31/2019	0.992						

Average Best 3 of 5

27:15	39:27
1.000	0.999

Accident Year Ending	27:15	39:27	ULT:39	Factor @
12/31/2018			1.000	1.000
12/31/2019		0.999	1.000	0.999
12/31/2020	1.000	0.999	1.000	0.999

@ An adjustment of 0.960 has been subsequently applied to the exposure development factor for the latest year to reflect the reduced expected exposure for Products due to the COVID-19 pandemic and economic recession in 2020. The resulting exposure development factor is displayed on Exhibit C9, page 1 and is reflected in the calculation of the ALCCL for the latest year. The derivation of this adjustment is explained in Section D.

Products (Subline Code 336)
Full Coverage
Multistate

Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :											
<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2001	7,565,837	11,532,284	14,894,427	15,674,403	15,972,792	15,929,495	16,307,484	16,690,599	16,537,105	16,362,727	16,632,938
12/31/2002	6,250,966	9,698,193	13,280,836	15,660,109	14,735,734	14,074,593	13,702,499	13,464,568	13,457,546	13,453,262	13,626,380
12/31/2003	6,455,713	10,911,297	14,049,820	14,698,875	13,971,053	13,270,350	12,976,376	13,399,924	13,748,994	13,918,308	13,865,287
12/31/2004	7,060,647	10,642,076	13,968,766	15,547,580	14,855,875	13,875,430	13,939,740	13,817,927	14,171,291	14,263,691	14,286,013
12/31/2005	8,476,387	9,976,434	12,862,127	12,782,393	13,043,055	12,914,529	12,740,155	12,949,741	12,727,113	12,750,098	12,676,141
12/31/2006	7,833,992	12,426,464	16,279,881	16,130,951	15,517,590	15,612,691	15,605,657	15,798,763	16,044,535	15,977,284	15,729,756
12/31/2007	9,277,627	14,202,261	17,426,328	18,117,071	18,187,422	18,162,162	17,650,912	17,641,740	17,421,332	17,314,582	17,442,065
12/31/2008	9,406,302	13,570,417	16,180,182	17,122,773	18,874,445	17,584,239	17,407,115	17,348,358	17,378,817	17,460,506	17,663,882
12/31/2009	10,246,216	13,057,336	15,578,201	16,054,370	15,798,741	15,890,914	15,668,419	15,684,194	15,691,462	15,921,055	16,222,005
12/31/2010	10,796,890	15,136,629	16,567,757	17,121,863	17,103,374	15,811,784	15,561,982	15,572,771	15,593,815	15,471,591	15,570,599
12/31/2011	8,512,981	11,389,068	14,582,836	14,880,906	14,316,564	14,102,882	14,023,557	14,161,798	14,621,709	14,508,116	
12/31/2012	8,565,692	12,503,598	16,209,343	16,440,398	16,656,227	16,192,429	16,106,420	16,786,478	16,554,768		
12/31/2013	6,292,601	9,341,808	12,815,315	13,675,599	14,018,267	13,907,732	14,353,922	14,093,589			
12/31/2014	6,916,560	9,546,568	12,971,496	14,735,733	14,164,171	14,799,587	14,897,876				
12/31/2015	6,512,815	8,964,348	11,836,910	12,980,824	12,800,106	12,734,600					
12/31/2016	5,821,748	8,223,125	10,872,908	11,577,861	11,977,370						
12/31/2017	6,062,903	9,415,767	12,858,464	13,918,829							
12/31/2018	6,816,744	9,881,875	12,459,790								
12/31/2019	5,744,709	8,274,523									
12/31/2020	6,231,237										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2001	17,012,802	17,100,918	17,351,267	17,647,251	17,548,725	17,776,426	17,759,880	17,757,986	17,746,422
12/31/2002	14,103,087	13,842,988	13,857,707	13,522,883	13,775,505	13,763,646	13,762,729	13,793,796	
12/31/2003	13,912,976	13,996,988	13,780,995	13,843,864	13,976,737	13,949,931	14,019,542		
12/31/2004	14,151,073	14,035,217	14,207,377	14,260,536	14,151,863	14,123,811			
12/31/2005	12,556,685	12,574,847	12,578,066	12,525,233	12,563,180				
12/31/2006	16,022,788	16,232,535	16,129,757	16,129,860					
12/31/2007	17,419,091	17,885,580	18,147,537						
12/31/2008	17,691,153	17,689,503							
12/31/2009	18,030,255								

Products (Subline Code 336)
Full Coverage
Multistate

Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

Link Ratios											
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/2001	1.524	1.292	1.052	1.019	0.997	1.024	1.023	0.991	0.989	1.017	1.023
12/31/2002	1.551	1.369	1.179	0.941	0.955	0.974	0.983	0.999	1.000	1.013	1.035
12/31/2003	1.690	1.288	1.046	0.950	0.950	0.978	1.033	1.026	1.012	0.996	1.003
12/31/2004	1.507	1.313	1.113	0.956	0.934	1.005	0.991	1.026	1.007	1.002	0.991
12/31/2005	1.177	1.289	0.994	1.020	0.990	0.986	1.016	0.983	1.002	0.994	0.991
12/31/2006	1.586	1.310	0.991	0.962	1.006	1.000	1.012	1.016	0.996	0.985	1.019
12/31/2007	1.531	1.227	1.040	1.004	0.999	0.972	0.999	0.988	0.994	1.007	0.999
12/31/2008	1.443	1.192	1.058	1.102	0.932	0.990	0.997	1.002	1.005	1.012	1.002
12/31/2009	1.274	1.193	1.031	0.984	1.006	0.986	1.001	1.000	1.015	1.019	1.111
12/31/2010	1.402	1.095	1.033	0.999	0.924	0.984	1.001	1.001	0.992	1.006	
12/31/2011	1.338	1.280	1.020	0.962	0.985	0.994	1.010	1.032	0.992		
12/31/2012	1.460	1.296	1.014	1.013	0.972	0.995	1.042	0.986			
12/31/2013	1.485	1.372	1.067	1.025	0.992	1.032	0.982				
12/31/2014	1.380	1.359	1.136	0.961	1.045	1.007					
12/31/2015	1.376	1.320	1.097	0.986	0.995						
12/31/2016	1.412	1.322	1.065	1.035							
12/31/2017	1.553	1.366	1.082								
12/31/2018	1.450	1.261									
12/31/2019	1.440										
3 Yr Mean	1.481	1.316	1.081	0.994	1.011	1.011	1.011	1.006	1.000	1.012	1.037
Best 3/5	1.434	1.334	1.082	1.008	0.991	0.999	1.004	1.001	0.997	1.008	1.007
A.Y.E.	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/2001	1.005	1.015	1.017	0.994	1.013	0.999	1.000	0.999			
12/31/2002	0.982	1.001	0.976	1.019	0.999	1.000	1.002	1.000			
12/31/2003	1.006	0.985	1.005	1.010	0.998	1.005	1.000	1.000			
12/31/2004	0.992	1.012	1.004	0.992	0.998	1.000	1.000	1.000			
12/31/2005	1.001	1.000	0.996	1.003	1.002	1.000	1.000	1.000			
12/31/2006	1.013	0.994	1.000								
12/31/2007	1.027	1.015									
12/31/2008	1.000										
3 Yr Mean	1.013	1.003	1.000	1.002	0.998	1.001	1.001	0.999			
Best 3/5	1.005	1.002	1.000	1.002	1.000	1.000	1.000	1.000			
Development From											
A.Y.E.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2016					0.991	0.999	1.004	1.001	0.997	1.008	1.007
12/31/2017				1.008	0.991	0.999	1.004	1.001	0.997	1.008	1.007
12/31/2018			1.082	1.008	0.991	0.999	1.004	1.001	0.997	1.008	1.007
12/31/2019		1.334	1.082	1.008	0.991	0.999	1.004	1.001	0.997	1.008	1.007
12/31/2020	1.434	1.334	1.082	1.008	0.991	0.999	1.004	1.001	0.997	1.008	1.007
A.Y.E.	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>		FACTORS
12/31/2016	1.005	1.002	1.000	1.002	1.000	1.000	1.000	1.000	1.000		1.016
12/31/2017	1.005	1.002	1.000	1.002	1.000	1.000	1.000	1.000	1.000		1.024
12/31/2018	1.005	1.002	1.000	1.002	1.000	1.000	1.000	1.000	1.000		1.108
12/31/2019	1.005	1.002	1.000	1.002	1.000	1.000	1.000	1.000	1.000		1.478
12/31/2020	1.005	1.002	1.000	1.002	1.000	1.000	1.000	1.000	1.000		2.120

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Products (Subline Code 336)
Deductible
Multistate

Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :											
<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2001	466,881	955,054	1,347,676	1,745,986	1,520,822	1,406,122	1,605,191	1,575,051	1,613,422	1,530,487	1,551,486
12/31/2002	467,959	1,076,039	1,549,613	1,477,701	1,714,419	1,710,652	1,780,327	1,608,378	1,581,451	1,583,846	1,581,501
12/31/2003	629,311	907,066	948,324	1,450,260	1,189,619	1,171,082	1,290,531	1,282,199	1,284,674	1,290,423	1,292,534
12/31/2004	1,258,610	1,527,766	1,937,490	2,217,268	2,161,024	2,124,548	2,087,537	2,157,976	2,156,781	2,158,245	2,158,449
12/31/2005	884,122	1,158,130	1,868,268	1,875,598	1,295,577	1,295,611	1,335,361	1,266,520	1,165,384	1,161,618	1,166,118
12/31/2006	1,338,134	1,847,729	2,193,955	1,934,916	1,674,474	1,606,230	1,540,979	1,588,428	1,488,511	1,493,011	1,520,569
12/31/2007	1,684,108	2,251,357	2,091,769	2,255,984	2,321,204	1,951,657	1,958,756	2,069,133	2,073,533	2,098,533	2,108,808
12/31/2008	1,135,792	1,533,206	1,936,711	1,984,123	2,050,342	2,100,969	2,216,483	2,184,750	2,109,751	2,097,401	2,195,175
12/31/2009	907,444	1,159,006	1,355,320	1,419,126	1,653,640	1,800,181	1,744,942	1,739,943	1,832,169	1,929,942	1,930,342
12/31/2010	1,027,500	1,738,516	1,635,305	1,763,205	1,847,142	1,945,049	1,898,380	1,800,604	2,389,523	2,035,471	2,000,471
12/31/2011	1,212,733	1,745,976	2,008,813	1,721,345	1,697,374	1,702,123	1,800,124	1,807,222	1,777,122	1,778,122	
12/31/2012	959,232	1,255,525	1,662,545	1,386,787	1,260,935	1,482,870	1,503,444	1,440,149	1,430,149		
12/31/2013	743,389	1,164,532	1,333,962	1,554,424	1,636,437	1,696,686	1,738,135	1,660,135			
12/31/2014	592,767	1,205,729	1,509,544	1,687,940	1,751,715	1,674,637	1,670,637				
12/31/2015	866,547	1,281,265	1,269,836	1,481,847	1,727,966	1,707,768					
12/31/2016	862,177	934,064	1,285,332	1,400,626	1,319,743						
12/31/2017	419,615	1,321,622	1,697,224	1,853,799							
12/31/2018	841,713	793,494	1,482,182								
12/31/2019	1,098,916	1,243,452									
12/31/2020	583,842										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2001	1,573,861	1,535,611	1,545,465	1,542,703	1,538,704	1,545,303	1,538,703	1,542,003	1,542,003
12/31/2002	1,581,501	1,582,131	1,606,230	1,608,931	1,608,930	1,633,930	1,614,100	1,614,100	
12/31/2003	1,292,550	1,292,649	1,295,350	1,295,349	1,295,349	1,295,394	1,295,394		
12/31/2004	2,157,552	2,160,253	2,160,252	2,160,252	2,161,197	2,164,938			
12/31/2005	1,168,827	1,168,919	1,168,818	1,168,863	1,168,963				
12/31/2006	1,495,368	1,495,368	1,495,413	1,495,413					
12/31/2007	2,126,033	2,136,078	2,091,078						
12/31/2008	2,195,475	2,196,475							
12/31/2009	1,932,842								

Products (Subline Code 336)
Deductible
Multistate

Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

Link Ratios											
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/2001	2.046	1.411	1.296	0.871	0.925	1.142	0.981	1.024	0.949	1.014	1.014
12/31/2002	2.299	1.440	0.954	1.160	0.998	1.142	0.903	0.983	1.002	0.999	1.000
12/31/2003	1.441	1.045	1.529	0.820	0.984	1.102	0.994	1.002	1.004	1.002	1.000
12/31/2004	1.214	1.268	1.144	0.975	0.983	1.142	1.034	0.999	1.001	1.000	1.000
12/31/2005	1.310	1.613	1.004	0.691	1.000	1.031	0.948	0.920	0.997	1.004	1.002
12/31/2006	1.381	1.187	0.882	0.865	0.959	0.959	1.031	0.937	1.003	1.018	0.983
12/31/2007	1.337	0.929	1.079	1.029	0.841	1.004	1.056	1.002	1.012	1.005	1.008
12/31/2008	1.350	1.263	1.024	1.033	1.025	1.055	0.986	0.966	0.994	1.047	1.000
12/31/2009	1.277	1.169	1.047	1.165	1.089	0.969	0.997	1.053	1.053	1.000	1.001
12/31/2010	1.692	0.941	1.078	1.048	1.053	0.976	0.948	1.327	0.852	0.983	
12/31/2011	1.440	1.151	0.857	0.986	1.003	1.058	1.004	0.983	1.001		
12/31/2012	1.309	1.324	0.834	0.909	1.176	1.014	0.958	0.993			
12/31/2013	1.567	1.145	1.165	1.053	1.037	1.024	0.955				
12/31/2014	2.034	1.252	1.118	1.038	0.956	0.998					
12/31/2015	1.479	0.991	1.167	1.166	0.988						
12/31/2016	1.083	1.376	1.090	0.942							
12/31/2017	3.150	1.284	1.092								
12/31/2018	0.943	1.868									
12/31/2019	1.132										
3 Yr Mean	1.742	1.509	1.116	1.049	0.994	1.012	0.972	1.101	0.969	1.010	1.003
Best 3/5	1.231	1.304	1.125	1.011	1.009	1.012	0.970	1.010	1.002	1.008	1.001
A.Y.E.	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/2001	0.976	1.006	0.998	0.997	1.004	0.996	1.002	1.000			
12/31/2002	1.000	1.015	1.002	1.000	1.016	0.988	1.000	1.000			
12/31/2003	1.000	1.002	1.000	1.000	1.000	1.000	0.999	1.000			
12/31/2004	1.001	1.000	1.000	1.000	1.002	1.002	0.999	1.000			
12/31/2005	1.000	1.000	1.000	1.000	1.000	1.002	0.999	1.000			
12/31/2006	1.000	1.000	1.000								
12/31/2007	1.005	0.979									
12/31/2008	1.000										
3 Yr Mean	1.002	0.993	1.000	1.000	<i>1.006</i>	<i>0.995</i>	<i>1.001</i>	<i>1.000</i>			
Best 3/5	1.000	1.000	1.000	1.000	1.002	0.999	0.999	1.000			
Development From											
A.Y.E.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2016					1.009	1.012	0.970	1.010	1.002	1.008	1.001
12/31/2017				1.011	1.009	1.012	0.970	1.010	1.002	1.008	1.001
12/31/2018			1.125	1.011	1.009	1.012	0.970	1.010	1.002	1.008	1.001
12/31/2019		1.304	1.125	1.011	1.009	1.012	0.970	1.010	1.002	1.008	1.001
12/31/2020	1.231	1.304	1.125	1.011	1.009	1.012	0.970	1.010	1.002	1.008	1.001
A.Y.E.	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	FACTORS	
12/31/2016	1.000	1.000	1.000	1.000	1.002	0.999	0.999	1.000	0.999	1.010	
12/31/2017	1.000	1.000	1.000	1.000	1.002	0.999	0.999	1.000	0.999	1.022	
12/31/2018	1.000	1.000	1.000	1.000	1.002	0.999	0.999	1.000	0.999	1.149	
12/31/2019	1.000	1.000	1.000	1.000	1.002	0.999	0.999	1.000	0.999	1.499	
12/31/2020	1.000	1.000	1.000	1.000	1.002	0.999	0.999	1.000	0.999	1.845	

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Products (Subline Code 336)
Full Coverage
Multistate

Bodily Injury - Occurrence
Incurred Accident Year ALAE Development

Allocated Expenses as of:												
<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>	
12/31/2001	1,888,192	5,188,885	8,005,033	9,932,916	12,910,820	14,372,356	16,121,407	17,693,117	18,013,821	17,970,847	18,253,072	
12/31/2002	1,252,503	3,323,891	7,518,848	11,824,013	15,029,171	18,065,862	18,032,904	18,729,828	19,140,723	19,524,989	19,628,503	
12/31/2003	1,327,084	4,057,802	8,522,769	14,428,918	18,997,777	20,955,523	21,588,557	22,970,932	22,702,728	23,776,282	24,859,403	
12/31/2004	1,155,256	2,905,921	6,285,165	10,426,227	13,020,260	12,747,859	14,042,816	14,867,455	15,754,503	15,901,902	16,429,829	
12/31/2005	1,511,095	3,385,395	5,978,795	8,342,092	10,613,154	11,738,476	11,777,273	12,106,776	12,314,855	12,744,351	12,681,683	
12/31/2006	1,896,772	6,444,399	8,725,491	11,476,951	13,475,057	15,201,037	17,811,235	19,047,317	18,133,236	18,189,808	18,182,982	
12/31/2007	2,267,832	6,207,455	9,444,460	12,776,350	15,659,939	17,238,578	18,347,111	18,557,973	18,683,105	23,009,664	23,016,887	
12/31/2008	1,678,203	4,310,266	8,305,645	13,838,977	18,055,357	20,179,365	20,195,795	20,556,599	20,896,038	21,053,910	21,174,939	
12/31/2009	3,160,956	5,432,240	9,747,898	12,370,553	14,721,380	15,758,485	15,795,817	16,060,479	16,085,872	16,227,549	16,430,913	
12/31/2010	2,033,192	5,575,013	9,606,549	14,746,727	16,969,102	17,721,048	17,909,802	18,075,589	18,196,350	18,474,670	18,433,458	
12/31/2011	2,336,245	5,154,182	9,286,512	12,745,461	14,544,015	16,106,937	17,198,478	17,034,726	17,562,230	17,718,922		
12/31/2012	2,619,423	7,532,391	15,461,014	20,282,209	23,908,298	26,761,828	27,393,058	28,322,369	27,900,937			
12/31/2013	1,524,272	4,845,934	8,367,384	10,962,122	13,120,939	14,088,483	14,867,800	15,366,756				
12/31/2014	1,430,946	3,948,620	7,941,203	11,959,609	14,665,914	15,961,759						
12/31/2015	2,026,886	4,205,854	7,165,837	11,344,266	14,316,601	17,113,469						
12/31/2016	1,450,415	3,313,353	7,450,421	10,560,009	12,015,876							
12/31/2017	1,186,413	3,391,926	8,086,123	11,706,208								
12/31/2018	2,086,712	5,295,869	9,241,930									
12/31/2019	1,037,480	3,036,476										
12/31/2020	1,023,651											

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2001	18,453,174	18,704,029	18,920,128	19,218,370	19,346,104	19,574,992	19,642,623	19,758,263	20,024,800
12/31/2002	21,744,172	21,885,696	21,798,782	21,099,552	21,148,447	21,578,592	21,841,436	21,833,021	
12/31/2003	24,858,451	25,161,175	24,175,366	24,337,820	24,371,972	24,433,936	24,473,161		
12/31/2004	16,656,840	17,301,487	17,424,646	17,682,102	17,574,094	17,730,952			
12/31/2005	12,799,368	12,886,694	12,939,289	12,994,348	13,053,603				
12/31/2006	18,121,175	18,297,053	18,375,054	18,459,953					
12/31/2007	23,118,068	23,533,784	24,064,852						
12/31/2008	21,449,500	21,904,329							
12/31/2009	16,648,623								

Products (Subline Code 336)

Full Coverage

Multistate

Bodily Injury - Occurrence

Incurred Accident Year Incremental ALAE Development

A.Y.E.	Increments												
	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135	159:147	171:159
12/31/2001	3,300,693	2,816,148	1,927,883	2,977,904	1,461,536	1,749,051	1,571,710	320,704	-42,974	282,225	200,102	250,855	216,099
12/31/2002	2,071,388	4,194,957	4,305,165	3,205,158	3,036,691	-32,958	696,924	410,895	384,266	103,514	2,115,669	141,524	-86,914
12/31/2003	2,730,718	4,464,967	5,906,149	4,568,859	1,957,746	633,034	1,382,375	-268,204	1,073,554	1,083,121	-952	302,724	-985,809
12/31/2004	1,750,665	3,379,244	4,141,062	2,594,033	-272,401	1,294,957	824,639	887,048	147,399	527,927	227,011	644,647	123,159
12/31/2005	1,874,300	2,593,400	2,363,297	2,271,062	1,125,322	38,797	329,503	208,079	429,496	-62,668	117,685	87,326	52,595
12/31/2006	4,547,627	2,281,092	2,751,460	1,998,106	1,725,980	2,610,198	1,236,082	-914,081	56,572	-6,826	-61,807	175,878	78,001
12/31/2007	3,939,623	3,237,005	3,331,890	2,883,589	1,578,639	1,108,533	210,862	125,132	4,326,559	7,223	101,181	415,716	531,068
12/31/2008	2,632,063	3,995,379	5,533,332	4,216,380	2,124,008	16,430	360,804	339,439	157,872	121,029	274,561	454,829	
12/31/2009	2,271,284	4,315,658	2,622,655	2,350,827	1,037,105	37,332	264,662	25,393	141,677	203,364	217,710		
12/31/2010	3,541,821	4,031,536	5,140,178	2,222,375	751,946	188,754	165,787	120,761	278,320	-41,212			
12/31/2011	2,817,937	4,132,330	3,458,949	1,798,554	1,562,922	1,091,541	-163,752	527,504	156,692				
12/31/2012	4,912,968	7,928,623	4,821,195	3,626,089	2,853,530	631,230	929,311	-421,432					
12/31/2013	3,321,662	3,521,450	2,594,738	2,158,817	967,544	779,317	498,956						
12/31/2014	2,517,674	3,992,583	4,018,406	2,706,305	1,295,845	1,113,900							
12/31/2015	2,178,968	2,959,983	4,178,429	2,972,335	2,796,868								
12/31/2016	1,862,938	4,137,068	3,109,588	1,455,867									
12/31/2017	2,205,513	4,694,197	3,620,085										
12/31/2018	3,209,157	3,946,061											
12/31/2019	1,998,996												

A.Y.E.	Incremental Percentages												
	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135	159:147	171:159
12/31/2001	0.1009	0.0861	0.0589	0.0911	0.0447	0.0535	0.0481	0.0098	-0.0013	0.0086	0.0061	0.0077	0.0066
12/31/2002	0.0766	0.1551	0.1592	0.1185	0.1123	-0.0012	0.0258	0.0152	0.0142	0.0038	0.0782	0.0052	-0.0032
12/31/2003	0.0965	0.1577	0.2086	0.1614	0.0692	0.0224	0.0488	-0.0095	0.0379	0.0383	0.0000	0.0107	-0.0348
12/31/2004	0.0697	0.1346	0.1649	0.1033	-0.0108	0.0516	0.0328	0.0353	0.0059	0.0210	0.0090	0.0257	0.0049
12/31/2005	0.0661	0.0914	0.0833	0.0801	0.0397	0.0014	0.0116	0.0073	0.0151	-0.0022	0.0041	0.0031	0.0019
12/31/2006	0.1401	0.0703	0.0848	0.0616	0.0532	0.0804	0.0381	-0.0282	0.0017	-0.0002	-0.0019	0.0054	0.0024
12/31/2007	0.1080	0.0887	0.0913	0.0791	0.0433	0.0304	0.0058	0.0034	0.1186	0.0002	0.0028	0.0114	0.0146
12/31/2008	0.0776	0.1177	0.1631	0.1243	0.0626	0.0005	0.0106	0.0100	0.0047	0.0036	0.0081	0.0134	
12/31/2009	0.0641	0.1218	0.0740	0.0663	0.0293	0.0011	0.0075	0.0007	0.0040	0.0057	0.0061		
12/31/2010	0.1112	0.1266	0.1614	0.0698	0.0236	0.0059	0.0052	0.0038	0.0087	-0.0013			
12/31/2011	0.1052	0.1543	0.1292	0.0672	0.0584	0.0408	-0.0061	0.0197	0.0059				
12/31/2012	0.1488	0.2402	0.1460	0.1098	0.0864	0.0191	0.0282	-0.0128					
12/31/2013	0.1191	0.1262	0.0930	0.0774	0.0347	0.0279	0.0179						
12/31/2014	0.0765	0.1214	0.1221	0.0823	0.0394	0.0339							
12/31/2015	0.0894	0.1214	0.1714	0.1219	0.1147								
12/31/2016	0.0767	0.1703	0.1280	0.0599									
12/31/2017	0.0720	0.1533	0.1182										
12/31/2018	0.0985	0.1211											
12/31/2019	0.0871												

Best 3/5	0.0844	0.1320	0.1228	0.0898	0.0614	0.0270	0.0102	0.0048	0.0064	0.0012	0.0043	0.0101	0.0031
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Products (Subline Code 336)

Full Coverage

Multistate

Bodily Injury - Occurrence
Incurred Accident Year ALAE Development

Link Ratios

<u>A.Y.E.</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>Ult:243</u>
12/31/2001	1.016	1.007	1.012	1.003	1.006	1.013	1.016
12/31/2002	0.968	1.002	1.020	1.012	1.000	1.004	1.016
12/31/2003	1.007	1.001	1.003	1.002	1.005	1.004	1.016
12/31/2004	1.015	0.994	1.009	1.008	1.005	1.004	1.016
12/31/2005	1.004	1.005	1.002	1.008	1.005	1.004	1.016
12/31/2006	1.005						
Best 3/5	1.005	1.003	1.008	1.006	1.005	1.004	1.016
171 to Ultimate Factors :	1.048						

Cumulative Incremental Factors

<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.558	0.473	0.341	0.218	0.129	0.067	0.040
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.030	0.025	0.019	0.018	0.013	0.003	0.000

<u>A.Y.E.</u>	Reported ALAE as of <u>3/31/2021</u>	\$500,000 <u>Ultimate Indemnity</u>	ALAE <u>Factor</u>	Additional <u>ALAE</u>	ALAE at <u>171 Months</u>	171-Ultimate <u>Factor</u>	Ultimate <u>ALAE</u>
12/31/2018	9,913,169	31,258,420	0.341	10,662,247	20,575,416	1.048	21,563,036
12/31/2019	3,364,812	21,248,931	0.473	10,052,869	13,417,681	1.048	14,061,730
12/31/2020	1,216,259	21,350,983	0.558	11,903,173	13,119,432	1.048	13,749,165

Bold - Calculated Using Modified Bondy Method

Products (Subline Code 336)
Full Coverage
Multistate

Property Damage - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2001	10,484,169	13,439,556	17,411,342	18,521,740	18,357,841	18,939,583	20,038,360	19,769,353	20,133,519	20,395,654	20,561,632
12/31/2002	8,958,446	13,753,799	16,589,275	16,210,935	16,033,400	17,161,653	17,354,195	17,648,919	17,790,403	18,059,368	18,556,236
12/31/2003	10,606,112	12,329,144	14,427,267	15,649,573	16,964,549	18,240,131	18,539,611	19,129,299	19,792,506	20,093,891	20,179,574
12/31/2004	9,731,164	11,991,183	13,368,941	13,590,018	15,103,685	15,171,777	15,635,711	15,872,511	15,963,294	16,317,655	16,482,926
12/31/2005	11,244,169	13,396,207	13,309,530	13,958,786	14,322,543	14,816,851	14,774,414	15,766,602	15,758,649	16,388,359	16,534,725
12/31/2006	12,084,985	13,657,481	14,743,350	14,977,044	16,221,369	16,725,031	17,278,003	18,941,126	19,421,250	19,247,318	19,388,287
12/31/2007	16,872,223	19,266,379	20,093,723	20,252,371	21,375,678	21,983,570	23,213,035	23,821,431	24,085,980	24,923,056	25,461,096
12/31/2008	16,587,864	19,230,902	20,612,198	21,585,628	22,604,827	23,759,747	24,369,252	24,815,239	25,357,760	25,957,959	26,176,769
12/31/2009	18,572,467	21,321,943	23,145,778	23,074,060	23,274,712	24,142,743	23,759,219	24,420,595	24,874,691	24,767,015	25,073,759
12/31/2010	17,894,193	20,442,095	21,769,896	22,206,822	22,232,285	22,884,066	22,951,062	23,507,193	23,917,745	24,121,002	24,035,379
12/31/2011	14,579,951	16,137,815	16,922,777	18,078,014	18,467,561	18,993,136	19,540,034	20,208,979	20,405,795	20,528,178	
12/31/2012	15,141,051	16,384,667	18,126,415	20,331,739	20,702,553	21,029,146	21,341,877	21,554,148	21,675,242		
12/31/2013	13,729,979	16,333,181	17,746,033	17,975,632	18,744,616	19,170,140	19,430,193	18,838,016			
12/31/2014	13,201,449	15,348,488	16,761,410	16,817,773	17,106,060	17,077,977	17,295,923				
12/31/2015	13,604,844	14,539,148	14,807,176	15,405,779	16,770,346	15,873,146					
12/31/2016	13,676,731	16,381,745	17,983,581	18,631,494	18,709,530						
12/31/2017	13,227,586	16,963,644	18,049,338	18,504,595							
12/31/2018	12,755,097	14,486,626	15,765,494								
12/31/2019	14,750,424	16,206,519									
12/31/2020	10,007,753										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2001	20,667,087	20,453,920	20,312,800	20,262,473	20,212,813	20,209,651	20,209,351	20,209,349	20,209,348
12/31/2002	18,600,526	18,629,509	18,730,231	18,835,328	18,876,117	18,818,105	18,829,605	18,890,155	
12/31/2003	20,658,739	20,444,730	20,414,567	20,604,803	20,436,841	20,475,516	20,497,147		
12/31/2004	16,700,072	16,660,038	16,813,732	16,574,408	16,469,420	16,469,409			
12/31/2005	16,672,165	16,565,624	16,861,914	16,663,132	16,681,308				
12/31/2006	19,480,004	19,829,579	19,789,062	19,751,553					
12/31/2007	25,637,500	25,542,106	25,372,160						
12/31/2008	26,231,464	26,358,870							
12/31/2009	25,371,912								

Products (Subline Code 336)
Full Coverage
Multistate

Property Damage - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

Link Ratios											
A.Y.E.	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2001	1.282	1.296	1.064	0.991	1.032	1.058	0.987	1.018	1.013	1.008	1.005
12/31/2002	1.535	1.206	0.977	0.989	1.070	1.058	1.017	1.008	1.015	1.028	1.002
12/31/2003	1.162	1.170	1.085	1.084	1.075	1.016	1.032	1.035	1.015	1.004	1.024
12/31/2004	1.232	1.115	1.017	1.111	1.005	1.016	1.015	1.006	1.022	1.010	1.013
12/31/2005	1.191	0.994	1.049	1.026	1.035	0.997	1.067	0.999	1.040	1.009	1.008
12/31/2006	1.130	1.080	1.016	1.083	1.031	1.033	1.096	1.025	0.991	1.007	1.005
12/31/2007	1.142	1.043	1.008	1.055	1.028	1.056	1.026	1.011	1.035	1.022	1.007
12/31/2008	1.159	1.072	1.047	1.047	1.051	1.026	1.018	1.022	1.024	1.008	1.002
12/31/2009	1.148	1.086	0.997	1.009	1.037	0.984	1.028	1.019	0.996	1.012	1.012
12/31/2010	1.142	1.065	1.020	1.001	1.029	1.003	1.024	1.017	1.008	0.996	
12/31/2011	1.107	1.049	1.068	1.022	1.028	1.029	1.034	1.010	1.006		
12/31/2012	1.082	1.106	1.122	1.018	1.016	1.015	1.010	1.006			
12/31/2013	1.190	1.087	1.013	1.043	1.023	1.014	0.970				
12/31/2014	1.163	1.092	1.003	1.017	0.998	1.013					
12/31/2015	1.069	1.018	1.040	1.089	0.947						
12/31/2016	1.198	1.098	1.036	1.004							
12/31/2017	1.282	1.064	1.025								
12/31/2018	1.136	1.088									
12/31/2019	1.099										
3 Yr Mean	1.172	1.083	1.034	1.037	0.989	1.014	1.005	1.011	1.003	1.005	1.007
Best 3/5	1.144	1.081	1.025	1.026	1.012	1.014	1.021	1.015	1.013	1.009	1.007
A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/2001	0.990	0.993	0.998	0.998	1.000	1.000	1.000	1.000			
12/31/2002	1.002	1.005	1.006	1.002	0.997	1.000	1.003	1.000			
12/31/2003	0.990	0.999	1.009	0.992	1.002	1.001	1.000	1.000			
12/31/2004	0.998	1.009	0.986	0.994	1.000	1.001	1.000	1.000			
12/31/2005	0.994	1.018	0.988	1.001	0.998	1.000	1.000	1.000			
12/31/2006	1.018	0.998	0.998								
12/31/2007	0.996	0.993									
12/31/2008	1.005										
3 Yr Mean	1.006	1.003	0.991	0.996	1.000	1.000	1.002	1.000			
Best 3/5	1.000	1.002	0.997	0.998	0.999	1.000	1.000	1.000			
Development From											
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2016					1.012	1.014	1.021	1.015	1.013	1.009	1.007
12/31/2017				1.026	1.012	1.014	1.021	1.015	1.013	1.009	1.007
12/31/2018			1.025	1.026	1.012	1.014	1.021	1.015	1.013	1.009	1.007
12/31/2019		1.081	1.025	1.026	1.012	1.014	1.021	1.015	1.013	1.009	1.007
12/31/2020	1.144	1.081	1.025	1.026	1.012	1.014	1.021	1.015	1.013	1.009	1.007
A.Y.E	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t		FACTORS
12/31/2016	1.000	1.002	0.997	0.998	0.999	1.000	1.000	1.000	1.001		1.091
12/31/2017	1.000	1.002	0.997	0.998	0.999	1.000	1.000	1.000	1.001		1.120
12/31/2018	1.000	1.002	0.997	0.998	0.999	1.000	1.000	1.000	1.001		1.148
12/31/2019	1.000	1.002	0.997	0.998	0.999	1.000	1.000	1.000	1.001		1.241
12/31/2020	1.000	1.002	0.997	0.998	0.999	1.000	1.000	1.000	1.001		1.419

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Products (Subline Code 336)

Deductible

Multistate

Property Damage - Occurrence

Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/2001	1,366,432	1,675,828	2,293,400	2,543,357	2,469,115	2,783,390	3,211,303	3,777,116	3,985,757	4,032,038	4,176,433
12/31/2002	779,522	1,307,175	1,538,822	1,804,621	2,384,574	2,527,744	2,620,769	2,731,211	3,196,494	3,191,785	3,230,763
12/31/2003	1,026,684	1,034,027	955,302	1,103,797	1,141,948	1,281,815	1,632,347	1,643,422	1,672,984	1,835,342	2,048,661
12/31/2004	696,110	1,281,192	1,585,834	1,326,016	1,094,795	1,146,543	1,132,094	1,107,623	1,185,272	1,282,610	1,307,803
12/31/2005	1,635,000	2,721,317	2,668,072	2,882,609	2,769,769	2,636,045	2,997,964	3,008,654	3,083,529	3,008,846	2,964,038
12/31/2006	2,607,136	3,711,160	4,257,634	4,007,261	3,946,398	4,083,877	4,521,731	4,593,014	4,719,713	4,848,662	4,882,746
12/31/2007	3,049,332	2,837,584	2,698,276	2,799,238	3,016,337	3,052,688	3,046,919	3,298,095	3,414,070	3,429,980	3,550,516
12/31/2008	2,282,797	2,499,125	2,972,871	3,089,883	2,883,559	2,941,865	3,108,757	3,196,896	3,207,092	3,127,305	3,234,304
12/31/2009	3,163,222	3,137,127	2,806,174	2,865,749	3,034,094	3,254,704	3,163,657	3,289,765	3,338,514	3,525,894	3,589,263
12/31/2010	1,807,548	2,646,790	2,717,236	2,510,106	2,430,373	2,468,903	2,453,913	2,390,847	2,440,860	2,675,760	2,555,598
12/31/2011	3,159,329	3,157,679	2,988,663	2,994,360	3,172,231	3,085,236	3,047,399	3,046,922	3,051,898	3,066,897	
12/31/2012	2,559,222	2,723,442	2,788,834	2,696,719	2,808,751	2,586,517	2,599,872	2,632,528	2,632,528		
12/31/2013	3,175,746	3,218,089	3,110,378	3,149,197	3,128,615	3,202,816	3,214,639	3,264,639			
12/31/2014	2,597,652	2,870,798	3,043,160	3,240,228	3,239,709	3,243,042	3,387,126				
12/31/2015	2,275,911	2,231,603	2,705,933	2,762,694	2,850,759	2,894,753					
12/31/2016	2,053,376	2,429,634	2,280,561	2,435,631	2,586,328						
12/31/2017	1,826,649	2,313,112	2,793,835	3,079,113							
12/31/2018	2,253,276	3,213,073	3,249,645								
12/31/2019	2,092,797	2,117,837									
12/31/2020	1,683,859										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2001	4,026,259	3,992,167	3,944,007	3,924,678	3,852,150	3,857,153	3,850,149	3,850,149	3,850,149
12/31/2002	2,960,936	2,926,145	2,875,045	2,865,045	2,867,379	2,865,543	2,865,443	2,850,443	
12/31/2003	2,131,790	2,160,027	2,102,480	2,100,604	2,099,102	2,099,102	2,099,102		
12/31/2004	1,278,002	1,330,003	1,325,002	1,324,902	1,332,902	1,339,570			
12/31/2005	2,974,038	3,012,402	3,071,870	3,032,870	3,032,870				
12/31/2006	4,897,461	4,880,058	4,772,674	4,774,173					
12/31/2007	3,429,477	3,404,756	3,404,728						
12/31/2008	3,200,204	3,191,204							
12/31/2009	3,608,683								

Products (Subline Code 336)
Deductible
Multistate

Property Damage - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

Link Ratios											
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/2001	1.226	1.369	1.109	0.971	1.127	1.154	1.176	1.055	1.012	1.036	0.964
12/31/2002	1.677	1.177	1.173	1.321	1.060	1.015	1.042	1.170	0.999	1.012	0.916
12/31/2003	1.007	0.924	1.155	1.035	1.122	1.273	1.007	1.018	1.097	1.116	1.041
12/31/2004	1.841	1.238	0.836	0.826	1.047	1.015	0.978	1.070	1.082	1.020	0.977
12/31/2005	1.664	0.980	1.080	0.961	0.952	1.137	1.004	1.025	0.976	0.985	1.003
12/31/2006	1.423	1.147	0.941	0.985	1.035	1.107	1.016	1.028	1.027	1.007	1.003
12/31/2007	0.931	0.951	1.037	1.078	1.012	0.998	1.082	1.035	1.005	1.035	0.966
12/31/2008	1.095	1.190	1.039	0.933	1.020	1.057	1.028	1.003	0.975	1.034	0.989
12/31/2009	0.992	0.895	1.021	1.059	1.073	0.972	1.040	1.015	1.056	1.018	1.005
12/31/2010	1.464	1.027	0.924	0.968	1.016	0.994	0.974	1.021	1.096	0.955	
12/31/2011	0.999	0.946	1.002	1.059	0.973	0.988	1.000	1.002	1.005		
12/31/2012	1.064	1.024	0.967	1.042	0.921	1.005	1.013	1.000			
12/31/2013	1.013	0.967	1.012	0.993	1.024	1.004	1.016				
12/31/2014	1.105	1.060	1.065	1.000	1.001	1.044					
12/31/2015	0.981	1.213	1.021	1.032	1.015						
12/31/2016	1.183	0.939	1.068	1.062							
12/31/2017	1.266	1.208	1.102								
12/31/2018	1.426	1.011									
12/31/2019	1.012										
3 Yr Mean	1.235	1.053	1.064	1.031	1.013	1.018	1.010	1.008	1.052	1.002	0.987
Best 3/5	1.154	1.093	1.051	1.025	0.996	1.001	1.010	1.007	1.022	1.020	0.998
A.Y.E.	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/2001	0.992	0.988	0.995	0.982	1.001	0.998	1.000	1.000			
12/31/2002	0.988	0.983	0.997	1.001	0.999	1.000	0.995	1.000			
12/31/2003	1.013	0.973	0.999	0.999	1.000	1.000	1.000	1.000			
12/31/2004	1.041	0.996	1.000	1.006	1.005	1.000	1.000	1.000			
12/31/2005	1.013	1.020	0.987	1.000	1.000	1.000	1.000	1.000			
12/31/2006	0.996	0.978	1.000								
12/31/2007	0.993	1.000									
12/31/2008	0.997										
3 Yr Mean	0.995	0.999	0.996	1.002	1.001	0.999	0.998	1.000			
Best 3/5	1.002	0.991	0.999	1.000	1.000	1.000	1.000	1.000			
Development From											
A.Y.E.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2016					0.996	1.001	1.010	1.007	1.022	1.020	0.998
12/31/2017				1.025	0.996	1.001	1.010	1.007	1.022	1.020	0.998
12/31/2018			1.051	1.025	0.996	1.001	1.010	1.007	1.022	1.020	0.998
12/31/2019		1.093	1.051	1.025	0.996	1.001	1.010	1.007	1.022	1.020	0.998
12/31/2020	1.154	1.093	1.051	1.025	0.996	1.001	1.010	1.007	1.022	1.020	0.998
A.Y.E	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	FACTORS	
12/31/2016	1.002	0.991	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.046	
12/31/2017	1.002	0.991	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.073	
12/31/2018	1.002	0.991	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.127	
12/31/2019	1.002	0.991	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.232	
12/31/2020	1.002	0.991	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.422	

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Products (Subline code 336)
Full Coverage
Multistate

Property Damage - Occurrence
Incurred Accident Year ALAE Development

Allocated Expenses as of:												
<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>	
12/31/2001	1,870,905	3,330,287	5,607,833	8,836,915	12,180,921	14,365,745	16,754,201	17,710,125	18,257,007	18,847,207	18,891,311	
12/31/2002	1,086,574	2,977,301	5,922,986	7,586,137	9,536,494	10,787,687	11,478,647	13,390,390	12,955,206	12,917,461	13,409,709	
12/31/2003	1,545,837	3,776,739	6,332,824	10,331,513	12,208,241	14,110,385	15,852,535	16,914,534	19,493,193	20,824,334	21,682,636	
12/31/2004	1,191,654	2,575,981	5,257,376	7,522,720	9,865,658	11,869,438	13,593,054	14,173,703	15,372,143	16,396,767	17,064,049	
12/31/2005	1,977,102	4,310,346	7,424,579	7,514,793	8,976,563	10,294,639	12,643,919	14,179,630	15,249,917	16,346,078	17,418,745	
12/31/2006	1,430,665	3,431,162	6,531,173	9,379,909	11,284,699	13,174,465	14,147,601	16,124,014	18,802,005	19,292,213	20,033,003	
12/31/2007	1,941,501	3,898,480	5,921,586	9,136,147	11,332,849	13,209,223	14,555,603	16,713,543	17,733,702	19,141,716	20,452,785	
12/31/2008	1,646,401	4,568,045	8,377,346	11,596,192	14,513,589	16,841,884	18,157,434	18,931,057	19,496,476	20,442,425	21,112,381	
12/31/2009	4,257,808	9,311,113	15,522,500	18,803,488	22,106,070	25,967,575	27,159,307	28,617,049	30,155,187	30,844,210	31,151,695	
12/31/2010	2,402,677	5,359,614	10,096,516	14,977,346	19,252,889	21,034,438	22,196,532	22,930,811	23,369,806	23,746,911	24,096,919	
12/31/2011	2,476,069	4,520,136	8,121,651	11,251,509	14,164,424	16,809,502	18,201,831	19,763,508	20,425,589	20,717,161		
12/31/2012	3,065,270	7,730,596	12,947,530	19,770,948	21,692,383	24,079,757	28,144,477	33,867,378	38,759,879			
12/31/2013	2,815,014	6,132,874	9,587,563	13,400,981	15,983,890	18,045,979	21,345,455	21,694,141				
12/31/2014	3,290,997	5,856,537	8,836,623	11,396,292	13,559,390	14,502,694	15,903,099					
12/31/2015	2,490,793	5,087,253	8,134,204	10,482,511	13,134,854	14,037,615						
12/31/2016	4,333,614	9,929,930	16,200,594	19,123,692	22,803,127							
12/31/2017	2,686,162	4,743,970	8,097,713	10,938,951								
12/31/2018	2,429,571	4,383,046	7,249,184									
12/31/2019	2,722,196	5,470,666										
12/31/2020	1,873,868											

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2001	19,088,440	19,467,141	19,979,790	20,012,421	19,996,754	20,009,920	20,013,111	20,018,065	20,031,776
12/31/2002	13,728,266	13,997,916	14,201,172	14,288,003	14,326,297	14,326,146	14,374,335	14,414,537	
12/31/2003	22,907,696	23,095,259	23,744,849	23,792,092	23,698,512	23,733,446	23,755,417		
12/31/2004	17,917,814	18,175,585	18,188,664	18,306,946	18,289,035				
12/31/2005	18,425,808	19,580,588	19,898,158	19,758,749	19,755,687				
12/31/2006	20,268,034	20,821,299	20,988,683	21,126,148					
12/31/2007	21,114,797	21,954,116	21,873,334						
12/31/2008	21,774,402	21,562,802							
12/31/2009	31,659,990								

Products (Subline code 336)

Full Coverage

Multistate

Property Damage - Occurrence

Incurred Accident Year Incremental ALAE Development

A.Y.E.	Increments												
	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135	159:147	171:159
12/31/2001	1,459,382	2,277,546	3,229,082	3,344,006	2,184,824	2,388,456	955,924	546,882	590,200	44,104	197,129	378,701	512,649
12/31/2002	1,890,727	2,945,685	1,663,151	1,950,357	1,251,193	690,960	1,911,743	-435,184	-37,745	492,248	318,557	269,650	203,256
12/31/2003	2,230,902	2,556,085	3,998,689	1,876,728	1,902,144	1,742,150	1,061,999	2,578,659	1,331,141	858,302	1,225,060	187,563	649,590
12/31/2004	1,384,327	2,681,395	2,265,344	2,342,938	2,003,780	1,723,616	580,649	1,198,440	1,024,624	667,282	853,765	257,771	13,079
12/31/2005	2,333,244	3,114,233	90,214	1,461,770	1,318,076	2,349,280	1,535,711	1,070,287	1,096,161	1,072,667	1,007,063	1,154,780	317,570
12/31/2006	2,000,497	3,100,011	2,848,736	1,904,790	1,889,766	973,136	1,976,413	438,995	490,208	740,790	235,031	553,265	167,384
12/31/2007	1,956,979	2,023,106	3,214,561	2,196,702	1,876,374	1,346,380	2,157,940	1,020,159	1,408,014	1,311,069	662,012	839,319	-80,782
12/31/2008	2,921,644	3,809,301	3,218,846	2,917,397	2,328,295	1,315,550	773,623	438,995	945,949	669,956	662,021	-211,600	
12/31/2009	5,053,305	6,211,387	3,280,988	3,302,582	3,861,505	1,191,732	1,457,742	1,538,138	689,023	307,485	508,295		
12/31/2010	2,956,937	4,736,902	4,880,830	4,275,543	1,781,549	1,162,094	734,279	438,995	377,105	350,008			
12/31/2011	2,044,067	3,601,515	3,129,858	2,912,915	2,645,078	1,392,329	1,561,677	662,081	291,572				
12/31/2012	4,665,326	5,216,934	6,823,418	1,921,435	2,387,374	4,064,720	5,722,901	4,892,501					
12/31/2013	3,317,860	3,454,689	3,813,418	2,582,909	2,062,089	3,299,476	348,686						
12/31/2014	2,565,540	2,980,086	2,559,669	2,163,098	943,304	1,400,405							
12/31/2015	2,596,460	3,046,951	2,348,307	2,652,343	902,761								
12/31/2016	5,596,316	6,270,664	2,923,098	3,679,435									
12/31/2017	2,057,808	3,353,743	2,841,238										
12/31/2018	1,953,475	2,866,138											
12/31/2019	2,748,470												

A.Y.E.	Incremental Percentages												
	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135	159:147	171:159
12/31/2001	0.0487	0.0761	0.1078	0.1117	0.0730	0.0798	0.0319	0.0183	0.0197	0.0015	0.0066	0.0126	0.0171
12/31/2002	0.0707	0.1101	0.0622	0.0729	0.0468	0.0258	0.0714	-0.0163	-0.0014	0.0184	0.0119	0.0101	0.0076
12/31/2003	0.0726	0.0832	0.1302	0.0611	0.0619	0.0567	0.0346	0.0840	0.0433	0.0279	0.0399	0.0061	0.0212
12/31/2004	0.0630	0.1220	0.1031	0.1066	0.0912	0.0784	0.0264	0.0545	0.0466	0.0304	0.0388	0.0117	0.0006
12/31/2005	0.0977	0.1304	0.0038	0.0612	0.0552	0.0983	0.0643	0.0448	0.0459	0.0449	0.0422	0.0483	0.0133
12/31/2006	0.0676	0.1047	0.0962	0.0643	0.0638	0.0329	0.0668	0.0905	0.0166	0.0250	0.0079	0.0187	0.0057
12/31/2007	0.0545	0.0563	0.0895	0.0611	0.0522	0.0375	0.0601	0.0284	0.0392	0.0365	0.0184	0.0234	-0.0022
12/31/2008	0.0716	0.0934	0.0789	0.0715	0.0571	0.0322	0.0190	0.0139	0.0232	0.0164	0.0162	-0.0052	
12/31/2009	0.1232	0.1514	0.0800	0.0805	0.0942	0.0291	0.0355	0.0375	0.0168	0.0075	0.0124		
12/31/2010	0.0818	0.1311	0.1351	0.1183	0.0493	0.0322	0.0203	0.0122	0.0104	0.0097			
12/31/2011	0.0634	0.1117	0.0971	0.0904	0.0821	0.0432	0.0485	0.0205	0.0090				
12/31/2012	0.1237	0.1383	0.1809	0.0509	0.0633	0.1078	0.1517	0.1297					
12/31/2013	0.1015	0.1057	0.1167	0.0791	0.0631	0.1010	0.0107						
12/31/2014	0.0744	0.0864	0.0742	0.0627	0.0274	0.0406							
12/31/2015	0.0928	0.1089	0.0840	0.0948	0.0323								
12/31/2016	0.1546	0.1732	0.0807	0.1016									
12/31/2017	0.0507	0.0826	0.0700										
12/31/2018	0.0675	0.0991											
12/31/2019	0.0779												

Best 3/5	0.0794	0.0981	0.0796	0.0789	0.0529	0.0616	0.0348	0.0240	0.0168	0.0170	0.0157	0.0179	0.0065
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Products (Subline code 336)

Full Coverage

Multistate

Property Damage - Occurrence
Incurred Accident Year ALAE Development

Link Ratios

<u>A.Y.E.</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>Ult:243</u>
12/31/2001	1.002	0.999	1.001	1.000	1.000	1.001	1.000
12/31/2002	1.006	1.003	1.000	1.003	1.003	1.000	1.000
12/31/2003	1.002	0.996	1.001	1.001	1.000	1.000	1.000
12/31/2004	1.007	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2005	0.993	1.000	0.999	1.000	1.000	1.000	1.000
12/31/2006	1.007						
Best 3/5	1.005	0.999	1.000	1.000	1.000	1.000	1.000
171 to Ultimate Factors :		1.004					

Cumulative Incremental Factors

<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.583	0.504	0.406	0.326	0.247	0.194	0.133
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>125</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.098	0.074	0.057	0.040	0.024	0.007	0.000

<u>A.Y.E.</u>	<u>Reported ALAE as of 3/31/2021</u>	<u>\$500,000 Ultimate Indemnity</u>	<u>ALAE Factor</u>	<u>Additional ALAE</u>	<u>ALAE at 171 Months</u>	<u>171-Ultimate Factor</u>	<u>Ultimate ALAE</u>
12/31/2018	8,300,798	31,148,492	0.406	12,636,943	20,937,741	1.004	21,021,492
12/31/2019	6,084,491	34,854,616	0.504	17,559,756	23,644,247	1.004	23,738,824
12/31/2020	2,190,934	24,685,203	0.583	14,396,410	16,587,344	1.004	16,653,694

Bold - Calculated Using Modified Bondy Method

PRODUCTS TREND SUMMARY

(1) <u>EXPOSURE TREND</u>		<u>PRODUCTS</u>	
Average Annual Percent Change			
a)	7/1/2018 to 7/1/2023 AYE 12/31/2018	+ 2.0%	
b)	7/1/2019 to 7/1/2023 AYE 12/31/2019	+ 2.2%	
c)	7/1/2020 to 7/1/2023 AYE 12/31/2020	+ 3.1%	
(2) <u>OCCURRENCE SEVERITY</u>		<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>
a)	Fitted		
	All Years	+ 5.5%	+ 3.3%
	Eight Years	+ 5.6%	+ 3.1%
	Six Years	+ 4.2%	+ 4.2%
b)	Selected	+ 3.0%	+ 4.5%
(3) <u>FREQUENCY TREND</u>			
	Selected	- 1.5%	

NOTE: The BI deductible trend is equal to the bodily injury trend. The PD deductible trend is equal to the property damage trend.

PRODUCTS
AVERAGE ANNUAL EXPOSURE TRENDS
FOR ACCIDENT YEARS ENDING 12/31/2018, 12/31/2019 & 12/31/2020

(1)			(2)			(1)			(2)		
YEAR ENDING			PRODUCTS			YEAR ENDING			PRODUCTS		
<u>QUARTER *</u>			CLASS GROUP			<u>QUARTER *</u>			CLASS GROUP		
			SALES EXPOSURE						SALES EXPOSURE		
			<u>INDICES</u>						<u>INDICES</u>		
2010	1		0.964			2017	1		1.032		
	2		0.962				2		1.034		
	3		0.962				3		1.037		
	4		0.965				4		1.040		
2011	1		0.969			2018	1		1.042		
	2		0.974				2		1.046		
	3		0.979				3		1.050		
	4		0.982				4		1.054		
2012	1		0.987			2019	1		1.058		
	2		0.990				2		1.061		
	3		0.995				3		1.063		
	4		1.000				4		1.065		
2013	1		1.004			2020	1		1.066		
	2		1.007				2		1.060		
	3		1.008				3		1.059		
	4		1.010				4		1.059		
2014	1		1.012			2021	1		1.063		
	2		1.016				2		1.079		
	3		1.019				3P		1.094		
	4		1.022				4P		1.108		
2015	1		1.023			2022	1P		1.121		
	2		1.026				2P		1.130		
	3		1.027				3P		1.136		
	4		1.029				4P		1.142		
2016	1		1.030			2023	1P		1.148		
	2		1.030				2P		1.153		
	3		1.029				3P		1.158		
	4		1.030				4P		1.162		
CHANGE IN EXPOSURES						PRODUCTS					
7/1/2018 to 7/1/2023			(2023:4/2018:4)			1.102					
7/1/2019 to 7/1/2023			(2023:4/2019:4)			1.091					
7/1/2020 to 7/1/2023			(2023:4/2020:4)			1.097					
AVERAGE ANNUAL TREND FACTOR											
7/1/2018 to 7/1/2023			(5.0 YEARS)			1.020					
7/1/2019 to 7/1/2023			(4.0 YEARS)			1.022					
7/1/2020 to 7/1/2023			(3.0 YEARS)			1.031					

* Projected values are identified by a 'P' in column (1).

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OCCURRENCE SEVERITY TREND
MULTISTATE
PRODUCTS
Calculation of Annual Trend Factor
Based on Average Occurrence Severity
Full Coverage Occurrence Data
Monoline and Multiline Combined
Bodily Injury

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Paid Occurrences	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2011	\$25,567,441	1,024	\$24,979	\$27,199		
12/31/2012	\$30,228,534	936	\$32,295	\$28,693		
12/31/2013	\$21,801,736	779	\$28,004	\$30,269	\$29,991	
12/31/2014	\$19,600,131	605	\$32,392	\$31,931	\$31,685	
12/31/2015	\$18,032,275	520	\$34,709	\$33,685	\$33,474	\$34,881
12/31/2016	\$19,207,980	543	\$35,380	\$35,535	\$35,364	\$36,363
12/31/2017	\$19,139,199	495	\$38,688	\$37,487	\$37,361	\$37,907
12/31/2018	\$16,614,720	428	\$38,814	\$39,546	\$39,471	\$39,517
12/31/2019	\$20,444,368	442	\$46,256	\$41,718	\$41,700	\$41,195
12/31/2020	\$14,208,971	360	\$39,448	\$44,009	\$44,055	\$42,944
Goodness of Fit Statistic, R-Squared:				0.818	0.804	0.579
Average Annual Severity Trend (10 yr)				+ 5.5%		
Average Annual Severity Trend (8 yr)				+ 5.6%		
Average Annual Severity Trend (6 yr)				+ 4.2%		
Selected Annual Severity Trend				+ 3.0%		

* Including basic indemnity and allocated loss adjustment expense developed separately to an ultimate settlement basis.

NOTE: Trends are based on reported paid full coverage data developed to ultimate using paid development factors (See Explanatory Pages C-11 to C-12- Explanation of Trend Calculation).

OCCURRENCE SEVERITY TREND
MULTISTATE
PRODUCTS
Calculation of Annual Trend Factor
Based on Average Occurrence Severity
Full Coverage Occurrence Data
Monoline and Multiline Combined
Property Damage

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Paid Occurrences	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2011	\$43,845,999	1,300	\$33,721	\$40,279		
12/31/2012	\$57,678,817	1,132	\$50,953	\$41,596		
12/31/2013	\$45,655,569	986	\$46,291	\$42,955	\$43,046	
12/31/2014	\$39,957,092	939	\$42,546	\$44,359	\$44,386	
12/31/2015	\$34,459,795	864	\$39,884	\$45,809	\$45,767	\$44,372
12/31/2016	\$47,960,734	925	\$51,849	\$47,306	\$47,192	\$46,229
12/31/2017	\$46,506,226	879	\$52,936	\$48,853	\$48,661	\$48,163
12/31/2018	\$36,479,557	825	\$44,227	\$50,449	\$50,176	\$50,177
12/31/2019	\$44,192,163	808	\$54,693	\$52,098	\$51,738	\$52,277
12/31/2020	\$32,698,009	613	\$53,337	\$53,801	\$53,348	\$54,464
Goodness of Fit Statistic, R-Squared:				0.389	0.393	0.362
Average Annual Severity Trend (10 yr)				+ 3.3%		
Average Annual Severity Trend (8 yr)				+ 3.1%		
Average Annual Severity Trend (6 yr)				+ 4.2%		
Selected Annual Severity Trend				+ 4.5%		

* Including basic indemnity and allocated loss adjustment expense developed separately to an ultimate settlement basis.

NOTE: Trends are based on reported paid full coverage data developed to ultimate using paid development factors (See Explanatory Pages C-11 to C-12 - Explanation of Trend Calculation).

PRODUCTS

FREQUENCY TREND

MULTISTATE

Manual Classes (Full and Deductible Coverage)
 Monoline and Multiline Combined
 CGL Policies Only

Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences at Ultimate ¹	(4) Occurrence Frequency <u>(3) / (2)²</u>
12/31/2007	\$ 92,380,295	3,254	35.23
12/31/2008	\$ 98,395,881	3,139	31.91
12/31/2009	\$ 108,116,496	3,587	33.18
12/31/2010	\$ 114,328,504	3,655	31.97
12/31/2011	\$ 115,607,217	3,381	29.25
12/31/2012	\$ 117,119,861	3,108	26.54
12/31/2013	\$ 116,622,163	2,959	25.37
12/31/2014	\$ 118,157,101	2,605	22.04
12/31/2015	\$ 124,823,644	2,368	18.97
12/31/2016	\$ 129,040,336	2,345	18.17
12/31/2017	\$ 133,262,962	2,272	17.05
12/31/2018	\$ 131,177,854	2,060	15.70
12/31/2019	\$ 134,297,739	2,107	15.69
12/31/2020	\$ 132,388,226	1,714	12.95

Selected Annual Frequency Trend: - 1.5%

¹ Occurrences are based on reported paid amounts developed to ultimate using paid development factors.

² Frequency is per \$1,000,000 Aggregate Loss Costs at Current Level.

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS
 CLASS GROUP : 03
 NUMBER OF YEARS OF DATA USED: 5
 CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.005 * 0.878

CLASS	AYE 2020	5 YEAR	5 YEAR	CRED.	FORMULA	INDEX	CHANGE	PRESENT	PROPOSED	STATE-	PRESENT	PROPOSED
	MONO/MULTI	MONO/MULTI	MONO/MULTI					MULTI-	MULTI-	WIDE		
	ALCCL	ALCCL	RATIO		ER		FACTOR	STATE	STATE	%	STATEWIDE	STATEWIDE
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
10140	312110	1507139	0.75710	0.1557	0.939	1.009	0.890	0.022	0.020	-9.1	0.022	0.020
10141	576933	3036695	0.94281	0.2308	0.966	1.038	0.915	0.023	0.021	-8.7	0.023	0.021
12361	1919646	10157475	1.02903	0.4587	0.999	1.073	0.946	0.070	0.066	-5.7	0.070	0.066
12373	55433	467650	1.24702	0.0942	0.999	1.073	0.946	0.023	0.022	-4.4	0.023	0.022
13049	214723	1177578	0.48375	0.1353	0.907	0.974	0.859	0.051	0.044	-13.7	0.051	0.044
13111	44054	258985	0.29043	0.0795	0.918	0.987	0.870	0.092	0.080	-13.0	0.092	0.080
13112	1814831	9582065	0.81592	0.4446	0.903	0.970	0.856	0.063	0.054	-14.3	0.063	0.054
13621	381736	1779698	1.57997	0.1765	1.080	1.160	1.023	0.330	0.340	3.0	0.330	0.340
13670	337783	2009916	1.67225	0.1804	1.099	1.181	1.041	0.017	0.018	5.9	0.017	0.018
15223	1228471	6779847	0.88645	0.3694	0.941	1.011	0.892	0.044	0.039	-11.4	0.044	0.039
15406	284552	1701380	1.79951	0.1645	1.109	1.191	1.051	0.053	0.056	5.7	0.053	0.056
16604	1101229	5785883	0.64008	0.3372	0.861	0.925	0.816	0.122	0.100	-18.0	0.122	0.100
51300	0	28609	0.00000	0.0649	0.910	0.977	0.862	0.147	0.127	-13.6	0.147	0.127
51305	15883	75266	0.04171	0.0676	0.910	0.977	0.862	0.880	0.760	-13.6	0.880	0.760
51315	806813	4163443	0.63008	0.2781	0.877	0.943	0.832	0.096	0.080	-16.7	0.096	0.080
51350	135131	839558	0.81286	0.1155	0.954	1.025	0.904	0.127	0.115	-9.5	0.127	0.115
51351	71314	234087	0.89136	0.0781	0.966	1.038	0.916	0.049	0.045	-8.2	0.049	0.045
51352	116492	540048	0.67935	0.0973	0.944	1.014	0.895	0.101	0.090	-10.9	0.101	0.090
51355	156365	847061	0.79866	0.1160	0.953	1.023	0.903	0.091	0.082	-9.9	0.091	0.082
51356	72297	343582	0.00586	0.0849	0.891	0.957	0.844	0.560	0.470	-16.1	0.560	0.470
51357	9031	39321	10.80000	0.0651	1.613	1.733	1.529	0.760	0.950	25.0	0.760	0.950
51358	30866	102917	0.00000	0.0694	0.905	0.973	0.858	0.129	0.111	-14.0	0.129	0.111
51359	82539	312270	0.27509	0.0829	0.915	0.983	0.867	0.710	0.620	-12.7	0.710	0.620
51752	419000	2822811	1.05191	0.2200	0.990	1.064	0.938	0.150	0.141	-6.0	0.150	0.141
52002	1377910	7629573	0.94254	0.3965	0.961	1.032	0.911	0.114	0.104	-8.8	0.114	0.104
53001	2200414	11105082	0.71795	0.4885	0.848	0.911	0.804	0.300	0.241	-19.7	0.300	0.241
53374	6177178	28087978	0.68675	0.6966	0.774	0.831	0.733	0.260	0.191	-26.5	0.260	0.191
53375	2699377	12564462	1.45204	0.5104	1.217	1.308	1.154	0.270	0.310	14.8	0.270	0.310
53376	624096	2813779	0.73164	0.2205	0.920	0.988	0.872	0.183	0.159	-13.1	0.183	0.159
53377	2509062	12024404	0.96231	0.4980	0.968	1.040	0.917	0.188	0.172	-8.5	0.188	0.172
53565	149513	798930	0.25386	0.1133	0.891	0.958	0.845	0.096	0.081	-15.6	0.096	0.081
55371	28065	162577	0.47689	0.0733	0.936	1.006	0.887	0.108	0.096	-11.1	0.108	0.096
56488	195518	494039	2.96849	0.0977	1.168	1.255	1.107	0.038	0.042	10.5	0.038	0.042
56758	110880	553090	0.48477	0.0983	0.925	0.994	0.876	0.140	0.123	-12.1	0.140	0.123
56759	683755	3770846	0.86936	0.2650	0.945	1.016	0.896	0.078	0.070	-10.3	0.078	0.070
56760	1529057	8292264	0.87150	0.4202	0.930	0.999	0.882	0.099	0.087	-12.1	0.099	0.087
57002	199130	989867	0.18477	0.1245	0.875	0.940	0.829	0.096	0.080	-16.7	0.096	0.080

U

X-TILDE: 0.897 X-TILDE (MONOLINE): 0.931 PI-TILDE 0.0038790
 TAU SQUARE: 0.03000 SIGMA SQUARED: 420436.541

L - CAPPED DOWN
 U - CAPPED UP
 N - NOT SUBJECT TO CAPPING
 E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS
 CLASS GROUP : 03
 NUMBER OF YEARS OF DATA USED: 5
 CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.005 * 0.878

CLASS	AYE 2020	5 YEAR	5 YEAR	CRED.	FORMULA	INDEX	CHANGE	PRESENT	PROPOSED	STATE-	PRESENT	PROPOSED
	MONO/MULTI	MONO/MULTI	MONO/MULTI					MULTI-	MULTI-	WIDE		
	ALCCL	ALCCL	RATIO					STATE	STATE	%		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
57651	149906	794401	1.10515	0.1173	0.988	1.062	0.937	0.039	0.037	-5.1	0.039	0.037
57913	663080	3629375	0.44518	0.2567	0.837	0.900	0.794	0.260	0.206	-20.8	0.260	0.206
59537	360426	1825497	1.11140	0.1718	0.997	1.071	0.944	0.232	0.219	-5.6	0.232	0.219
59647	67119	306195	0.56999	0.0826	0.939	1.009	0.890	0.158	0.141	-10.8	0.158	0.141
59904	12172	65670	4.66938	0.0672	1.221	1.312	1.157	0.076	0.088	15.8	0.076	0.088
59905	168317	754850	1.06987	0.1126	0.984	1.057	0.932	0.120	0.112	-6.7	0.120	0.112
59925	793	6534	1.66949	0.0629	1.017	1.092	0.963	1.190	1.150	-3.4	1.190	1.150
59926	270162	1405115	1.57717	0.1504	1.064	1.143	1.008	0.460	0.460	0.0	0.460	0.460
59927	18928	394051	0.04146	0.0881	0.891	0.957	0.844	1.300	1.100	-15.4	1.300	1.100
59963	55999	184022	0.00000	0.0747	0.900	0.967	0.853	0.370	0.320	-13.5	0.370	0.320
59964	226470	1092557	0.79463	0.1303	0.950	1.020	0.900	0.066	0.059	-10.6	0.066	0.059

X-TILDE: 0.897 X-TILDE (MONOLINE): 0.931 PI-TILDE 0.0038790
 TAU SQUAREI 0.03000 SIGMA SQUARED: 420436.541

L - CAPPED DOWN
 U - CAPPED UP
 N - NOT SUBJECT TO CAPPING
 E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS
 CLASS GROUP : 04
 NUMBER OF YEARS OF DATA USED: 5
 CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 0.999 * 0.878

CLASS	AYE 2020	5 YEAR	5 YEAR	CRED.	FORMULA	INDEX	CHANGE	PRESENT	PROPOSED	STATE-	PRESENT	PROPOSED
	MONO/MULTI	MONO/MULTI	MONO/MULTI					MULTI-	MULTI-	WIDE		
	ALCCL	ALCCL	RATIO		ER		FACTOR	STATE	STATE	%	STATEWIDE	STATEWIDE
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	OCCUR	OCCUR	CHANGE	OCCUR	OCCUR
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
10010	130380	791029	0.77583	0.1336	0.951	1.005	0.881	0.189	0.167	-11.6	0.189	0.167
10040	1062035	5550190	1.22462	0.3697	1.069	1.130	0.991	0.320	0.320	0.0	0.320	0.320
10070	2260544	10797201	0.93840	0.5147	0.957	1.012	0.888	0.151	0.134	-11.3	0.151	0.134
10101	318814	1510591	0.95226	0.1798	0.973	1.028	0.902	0.177	0.160	-9.6	0.177	0.160
10111	157210	779940	0.75996	0.1328	0.949	1.003	0.880	0.067	0.059	-11.9	0.067	0.059
10255	3356278	16436703	1.01096	0.6091	0.998	1.055	0.925	0.151	0.140	-7.3	0.151	0.140
10256	17610	77726	3.23485	0.0828	1.165	1.231	1.080	0.183	0.198	8.2	0.183	0.198
10257	3030608	15191370	1.12953	0.5920	1.068	1.128	0.990	0.148	0.146	-1.4	0.148	0.146
11126	186235	1173233	1.41026	0.1589	1.046	1.106	0.970	0.024	0.023	-4.2	0.024	0.023
11203	29893	60296	0.00000	0.0820	0.897	0.949	0.832	0.460	0.380	-17.4	0.460	0.380
11248	6163	38345	0.00000	0.0799	0.899	0.951	0.834	0.016	0.013	-18.8	0.016	0.013
12391	1480828	7238696	0.80444	0.4228	0.904	0.956	0.838	0.070	0.059	-15.7	0.070	0.059
12509	36831	205780	0.02367	0.0924	0.889	0.940	0.825	0.031	0.026	-16.1	0.031	0.026
12651	837935	4024097	0.91306	0.3081	0.958	1.012	0.888	0.510	0.450	-11.8	0.510	0.450
12707	396206	1481797	0.68546	0.1819	0.924	0.977	0.857	0.560	0.480	-14.3	0.560	0.480
12797	1253210	6525319	1.00005	0.4006	0.987	1.043	0.915	0.194	0.177	-8.8	0.194	0.177
13201	20484	118570	0.34633	0.0862	0.923	0.976	0.856	0.144	0.123	-14.6	0.144	0.123
13204	1194613	5458133	0.52061	0.3679	0.809	0.855	0.750	1.140	0.860	-24.6	1.140	0.860
13205	304763	1665235	0.38158	0.1896	0.865	0.914	0.802	0.420	0.340	-19.1	0.420	0.340
13314	246	1407	0.00000	0.0770	0.902	0.954	0.837	0.014	0.012	-14.3	0.014	0.012
13410	2613149	12235524	0.58201	0.5441	0.762	0.806	0.707	2.350	1.660	-29.4	2.350	1.660
13412	493960	2607647	1.30379	0.2460	1.058	1.118	0.981	1.210	1.190	-1.7	1.210	1.190
13590	4566221	22339993	0.98236	0.6765	0.981	1.037	0.909	0.670	0.610	-9.0	0.670	0.610
13715	1884487	9847413	0.66706	0.4914	0.825	0.872	0.765	0.145	0.111	-23.5	0.145	0.111
13930	1047825	5283930	0.78387	0.3578	0.908	0.960	0.842	0.174	0.147	-15.5	0.174	0.147
14068	2400	25444	0.00000	0.0789	0.900	0.952	0.835	0.012	0.010	-16.7	0.012	0.010
14527	452205	2128090	1.16555	0.2151	1.018	1.076	0.944	0.179	0.169	-5.6	0.179	0.169
14855	40171	192739	0.00702	0.0915	0.889	0.939	0.824	0.133	0.110	-17.3	0.133	0.110
16005	330806	1828308	1.36348	0.1982	1.054	1.114	0.977	0.031	0.030	-3.2	0.031	0.030
16009	40813	218404	2.59855	0.0933	1.129	1.193	1.047	0.106	0.111	4.7	0.106	0.111
16527	4543683	23998387	0.90035	0.6911	0.924	0.977	0.857	0.320	0.270	-15.6	0.320	0.270
16705	165141	1003665	0.64246	0.1479	0.928	0.981	0.860	0.131	0.113	-13.7	0.131	0.113
16750	385030	2211491	1.53423	0.2216	1.101	1.164	1.021	0.034	0.035	2.9	0.034	0.035
18205	728521	3476584	1.38066	0.2855	1.093	1.155	1.013	0.380	0.390	2.6	0.380	0.390
18616	3576905	16851369	0.84851	0.6159	0.898	0.949	0.833	0.590	0.490	-17.0	0.590	0.490
18707	18074	110393	8.35255	0.0853	1.606	1.698	1.489	0.005	0.006	20.0	0.005	0.006
45771	99782	648674	1.29724	0.1259	1.018	1.076	0.944	0.139	0.131	-5.8	0.139	0.131

U

X-TILDE: 0.928 X-TILDE (MONOLINE): 0.946 PI-TILDE 0.0048092
 TAU SQUARE: 0.03000 SIGMA SQUARED: 363142.008

L - CAPPED DOWN
 U - CAPPED UP
 N - NOT SUBJECT TO CAPPING
 E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP : 04

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 0.999 * 0.878

CLASS	AYE 2020	5 YEAR	5 YEAR	CRED.	FORMULA	INDEX	CHANGE	PRESENT	PROPOSED	STATE-	PRESENT	PROPOSED	
	MONO/MULTI	MONO/MULTI	MONO/MULTI					MULTI-	MULTI-	WIDE		STATEWIDE	STATEWIDE
	ALCCL	ALCCL	EXPERIENCE					STATE	STATE	%		OCCUR	OCCUR
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
45901	581550	2325471	0.74730	0.2258	0.926	0.978	0.858	0.045	0.039	-13.3	0.045	0.039	
53907	1365499	6884455	0.96694	0.4280	0.973	1.028	0.902	0.086	0.078	-9.3	0.086	0.078	

X-TILDE: 0.92816
 TAU SQUAREI 0.03

X-TILDE (MONOLINE): 0.94615
 SIGMA SQUARED: 363142.008

PI-TILDE 0.0048092

L - CAPPED DOWN
 U - CAPPED UP
 N - NOT SUBJECT TO CAPPING
 E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS
 CLASS GROUP : 05
 NUMBER OF YEARS OF DATA USED: 5
 CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.015 * 0.878

CLASS	AYE 2020	5 YEAR	5 YEAR	CRED.	FORMULA	INDEX	CHANGE	PRESENT	PROPOSED	STATE-	PRESENT	PROPOSED
	MONO/MULTI	MONO/MULTI	MONO/MULTI					MULTI-	MULTI-	WIDE		
	ALCCL	ALCCL	RATIO					STATE	STATE	%		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	OCCUR	OCCUR	CHANGE	OCCUR	OCCUR
51380	1397	7573	0.00000	0.1506	1.357	1.060	0.945	0.041	0.039	-4.9	0.041	0.039
51575	212282	1092698	1.48733	0.2318	1.572	1.228	1.095	0.021	0.023	9.5	0.021	0.023
51576	211580	1230943	1.15109	0.2410	1.490	1.164	1.038	0.097	0.101	4.1	0.097	0.101
51613	57680	393803	0.83600	0.1814	1.459	1.140	1.016	0.139	0.141	1.4	0.139	0.141
51666	36459	228862	0.27299	0.1687	1.374	1.074	0.957	0.089	0.085	-4.5	0.089	0.085
51767	501	2987	0.00000	0.1502	1.357	1.061	0.946	0.007	0.007	0.0	0.007	0.007
51833	925	7448	0.00000	0.1506	1.357	1.060	0.945	0.054	0.051	-5.6	0.054	0.051
51869	83202	680139	0.91638	0.2028	1.459	1.140	1.016	0.136	0.138	1.5	0.136	0.138
51889	738	3788	0.00000	0.1503	1.357	1.061	0.945	0.011	0.010	-9.1	0.011	0.010
51941	1827895	9225881	0.83065	0.5523	1.174	0.917	0.818	0.041	0.034	-17.1	0.041	0.034
52469	1782918	9763211	1.01802	0.5750	1.264	0.988	0.881	0.096	0.085	-11.5	0.096	0.085
55647	280405	1796873	1.01880	0.2778	1.437	1.123	1.001	0.065	0.065	0.0	0.065	0.065
55802	14040	123212	5.02913	0.1603	2.148	1.678	1.496	0.011	0.013	18.2	0.011	0.013
56040	352	2541	0.00000	0.1502	1.357	1.061	0.946	0.030	0.028	-6.7	0.030	0.028
57257	23175	136358	4.12941	0.1611	2.005	1.567	1.397	0.034	0.042	23.5	0.034	0.042
57410	14121	141282	0.13101	0.1615	1.360	1.063	0.948	0.173	0.164	-5.2	0.173	0.164
58503	37292	205593	0.96279	0.1668	1.491	1.166	1.039	0.077	0.080	3.9	0.077	0.080
58627	1454	9596	0.00000	0.1508	1.356	1.060	0.945	0.012	0.011	-8.3	0.012	0.011
59257	20	980	0.00000	0.1501	1.358	1.061	0.946	0.012	0.011	-8.3	0.012	0.011
59923	852	10374	18.93775	0.1509	4.213	3.293	2.935	0.005	0.006	20.0	0.005	0.006

U

U

U

X-TILDE: 1.002 X-TILDE (MONOLINE): 1.279 PI-TILDE 0.0070587
 TAU SQUARE: 0.03547 SIGMA SQUARED: 364751.651

L - CAPPED DOWN
 U - CAPPED UP
 N - NOT SUBJECT TO CAPPING
 E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP : 06

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 0.999 * 0.878

CLASS	AYE 2020	5 YEAR	5 YEAR	CRED.	FORMULA	INDEX	CHANGE	PRESENT	PROPOSED	STATE-	PRESENT	PROPOSED
	MONO/MULTI	MONO/MULTI	MONO/MULTI					MULTI-	MULTI-	WIDE		
	ALCCL	ALCCL	RATIO					STATE	STATE	%		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
15733	9163	48815	0.00000	0.0470	0.894	1.010	0.886	0.034	0.030	-11.8	0.034	0.030
51001	509	7344	0.00000	0.0293	0.910	1.028	0.902	0.420	0.380	-9.5	0.420	0.380
51116	1381676	5491568	0.93149	0.7202	0.933	1.054	0.925	0.690	0.640	-7.3	0.690	0.640
51240	46505	311305	2.08333	0.1462	1.105	1.249	1.095	0.196	0.215	9.7	0.196	0.215
51241	301128	1637002	1.33524	0.4411	1.113	1.258	1.103	0.218	0.240	10.1	0.218	0.240
51330	244085	1243777	3.90632	0.3780	2.060	2.327	2.042	0.660	0.820	24.2	0.660	0.820
51370	395627	623799	0.00000	0.2445	0.709	0.800	0.702	3.830	2.690	-29.8	3.830	2.690
51500	277651	1706924	1.66536	0.4517	1.266	1.431	1.255	0.116	0.145	25.0	0.116	0.145
51550	28518	107189	2.54528	0.0711	1.052	1.189	1.043	0.400	0.420	5.0	0.400	0.420
51551	2082	42809	1.03774	0.0445	0.942	1.065	0.934	0.890	0.830	-6.7	0.890	0.830
51552	0	11265	0.00000	0.0310	0.909	1.027	0.901	0.152	0.137	-9.9	0.152	0.137
51600	147737	683992	1.72690	0.2551	1.139	1.287	1.129	0.172	0.194	12.8	0.172	0.194
51734	17859	87294	9.21581	0.0643	1.470	1.661	1.457	0.350	0.430	22.9	0.350	0.430
51741	117301	641968	1.45449	0.2451	1.064	1.203	1.055	0.243	0.260	7.0	0.243	0.260
51777	175389	751993	0.28750	0.2723	0.761	0.859	0.754	0.077	0.058	-24.7	0.077	0.058
51808	215936	905930	0.46475	0.3080	0.792	0.895	0.785	0.680	0.530	-22.1	0.680	0.530
51809	37749	166439	3.59988	0.0974	1.197	1.352	1.186	0.146	0.173	18.5	0.146	0.173
51877	60594	389165	0.26473	0.1725	0.822	0.928	0.814	0.191	0.156	-18.3	0.191	0.156
51896	691530	3606004	1.07400	0.6285	1.023	1.156	1.014	0.017	0.017	0.0	0.017	0.017
51900	10566	62706	1.86914	0.0528	0.987	1.115	0.978	0.100	0.098	-2.0	0.100	0.098
51909	0	11	0.00000	0.0261	0.913	1.032	0.905	0.053	0.048	-9.4	0.053	0.048
51926	392964	1611315	0.94283	0.4361	0.940	1.062	0.932	0.044	0.041	-6.8	0.044	0.041
51927	337412	2148795	0.59952	0.5066	0.766	0.866	0.760	0.132	0.100	-24.2	0.132	0.100
51934	26593	495984	0.15017	0.2036	0.777	0.878	0.770	0.107	0.082	-23.4	0.107	0.082
51956	1593297	7913507	0.57710	0.7871	0.654	0.739	0.648	0.205	0.140	-31.7	0.205	0.140
51957	1678967	8539034	0.78110	0.7993	0.813	0.918	0.805	0.460	0.370	-19.6	0.460	0.370
51960	3899	23798	0.00000	0.0364	0.904	1.021	0.896	0.330	0.300	-9.1	0.330	0.300
51982	12658	60163	0.00000	0.0520	0.889	1.004	0.881	0.077	0.068	-11.7	0.077	0.068
51986	27978	223977	0.25047	0.1158	0.858	0.970	0.851	0.096	0.082	-14.6	0.096	0.082
51999	157931	694190	0.45828	0.2576	0.814	0.920	0.807	0.400	0.320	-20.0	0.400	0.320
52075	46881	269157	0.62499	0.1313	0.897	1.013	0.889	0.222	0.197	-11.3	0.222	0.197
52134	2221315	11536650	0.94286	0.8438	0.942	1.064	0.934	0.600	0.560	-6.7	0.600	0.560
52315	562855	2806920	1.08120	0.5694	1.019	1.152	1.010	0.270	0.270	0.0	0.270	0.270
52505	58650	238623	0.05885	0.1204	0.832	0.940	0.825	0.237	0.195	-17.7	0.237	0.195
52547	194289	1053406	0.64637	0.3392	0.839	0.948	0.831	0.070	0.058	-17.1	0.070	0.058
52911	790982	4805991	1.04053	0.6953	1.009	1.140	1.000	0.420	0.420	0.0	0.420	0.420
52967	19459	119497	0.52533	0.0769	0.906	1.024	0.898	0.058	0.052	-10.3	0.058	0.052

X-TILDE: 0.890

TAU SQUARE: 0.11174

X-TILDE (MONOLINE):

0.885

SIGMA SQUARED:

248731.944

PI-TILDE 0.0016742

L - CAPPED DOWN

U - CAPPED UP

N - NOT SUBJECT TO CAPPING

E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP : 06

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 0.999 * 0.878

CLASS	AYE 2020	5 YEAR	5 YEAR	CRED.	FORMULA	INDEX	CHANGE	PRESENT	PROPOSED	STATE-	PRESENT	PROPOSED
	MONO/MULTI	MONO/MULTI	MONO/MULTI					MULTI-	MULTI-	WIDE		
	ALCCL	ALCCL	RATIO					STATE	STATE	%		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	OCCUR	OCCUR	CHANGE	OCCUR	OCCUR
53121	47804	198244	3.04691	0.1059	1.161	1.312	1.151	0.400	0.460	15.0	0.400	0.460
53333	81793	423431	1.36248	0.1817	1.015	1.147	1.006	0.248	0.249	0.4	0.248	0.249
53631	402	1851	0.00000	0.0269	0.913	1.031	0.904	0.021	0.019	-9.5	0.021	0.019
53632	320	3694	0.00000	0.0278	0.912	1.030	0.904	0.032	0.029	-9.4	0.032	0.029
53732	1277691	7669937	0.96475	0.7835	0.959	1.083	0.950	0.470	0.450	-4.3	0.470	0.450
53733	3621355	20100024	0.76504	0.9035	0.782	0.883	0.775	0.228	0.177	-22.4	0.228	0.177
54077	707222	3606459	0.94390	0.6298	0.942	1.064	0.933	0.390	0.360	-7.7	0.390	0.360
55010	85373	392333	0.05700	0.1781	0.781	0.882	0.774	0.980	0.760	-22.5	0.980	0.760
55011	417923	2301748	1.35403	0.5245	1.156	1.306	1.146	1.750	2.010	14.9	1.750	2.010
55012	38256	252981	0.13777	0.1265	0.837	0.945	0.829	1.110	0.920	-17.1	1.110	0.920
55013	276003	1878821	1.09787	0.4751	1.014	1.145	1.005	1.120	1.130	0.9	1.120	1.130
55214	1260	6182	0.00000	0.0288	0.911	1.029	0.903	0.083	0.075	-9.6	0.083	0.075
55715	33096	219113	0.07974	0.1153	0.839	0.948	0.831	0.203	0.169	-16.8	0.203	0.169
55716	51505	207115	0.00000	0.1093	0.835	0.944	0.828	0.49	0.410	-16.3	0.490	0.410
56202	81073	681043	0.46795	0.2550	0.818	0.924	0.811	0.078	0.063	-19.2	0.078	0.063
56390	416863	1801255	0.89546	0.4758	0.918	1.037	0.909	0.7	0.640	-8.6	0.700	0.640
56391	480486	3389641	0.79204	0.6152	0.848	0.958	0.841	0.3	0.250	-16.7	0.300	0.250
56427	17636	81944	0.48283	0.0608	0.910	1.028	0.902	0.119	0.107	-10.1	0.119	0.107
56690	3387	15816	1.32303	0.0330	0.951	1.074	0.942	0.33	0.310	-6.1	0.330	0.310
56699	222572	1281046	1.55219	0.3827	1.173	1.325	1.162	0.067	0.078	16.4	0.067	0.078
56916	972476	4579633	1.50753	0.6828	1.327	1.499	1.315	0.215	0.260	20.9	0.215	0.260
57090	76540	526425	2.27643	0.2194	1.232	1.391	1.221	0.68	0.830	22.1	0.680	0.830
57401	15113	55341	0.00000	0.0497	0.891	1.007	0.883	0.089	0.079	-11.2	0.089	0.079
57403	729	3456	0.00000	0.0276	0.912	1.030	0.904	0.033	0.030	-9.1	0.033	0.030
57572	68350	388941	1.08464	0.1710	0.963	1.088	0.954	0.099	0.094	-5.1	0.099	0.094
57600	45993	261959	0.73191	0.1313	0.911	1.029	0.903	0.033	0.030	-9.1	0.033	0.030
57611	34620	243043	0.00000	0.1305	0.816	0.921	0.808	0.055	0.044	-20.0	0.055	0.044
57690	268315	1445629	0.71138	0.4111	0.845	0.954	0.837	0.45	0.380	-15.6	0.450	0.380
57716	244309	1207418	1.36697	0.3706	1.097	1.239	1.087	0.074	0.080	8.1	0.074	0.080
57725	909907	4075159	1.19867	0.6665	1.112	1.256	1.102	0.075	0.083	10.7	0.075	0.083
57726	68323	361745	1.98891	0.1635	1.110	1.254	1.100	0.023	0.025	8.7	0.023	0.025
57810	2888	20530	0.00000	0.0350	0.905	1.022	0.897	0.1	0.090	-10.0	0.100	0.090
57871	41402	392343	0.27697	0.1720	0.824	0.931	0.817	0.111	0.091	-18.0	0.111	0.091
57998	21102	128564	0.16824	0.0797	0.877	0.990	0.869	0.054	0.047	-13.0	0.054	0.047
57999	5627	27551	0.89633	0.0380	0.936	1.058	0.928	0.07	0.065	-7.1	0.070	0.065
58095	1412380	8082867	0.55211	0.7906	0.633	0.715	0.627	1.79	1.220	-31.8	1.790	1.220
58096	1328284	9531414	0.90684	0.8177	0.913	1.031	0.904	1.49	1.350	-9.4	1.490	1.350

U

L

X-TILDE: 0.890

TAU SQUARE| 0.11174

X-TILDE (MONOLINE):

SIGMA SQUARED: 248731.944

0.885

PI-TILDE 0.0016742

L - CAPPED DOWN

U - CAPPED UP

N - NOT SUBJECT TO CAPPING

E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP : 06

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 0.999 * 0.878

CLASS	AYE 2020	5 YEAR	5 YEAR	CRED.	FORMULA	INDEX	CHANGE	PRESENT	PROPOSED	STATE-	PRESENT	PROPOSED	
	MONO/MULTI	MONO/MULTI	MONO/MULTI					MULTI-	MULTI-	WIDE			
	ALCCL	ALCCL	RATIO					STATE	STATE	%			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
58301	94698	399713	2.01027	0.1788	1.130	1.276	1.119	0.077	0.086	11.7	0.077	0.086	
58302	61125	256087	0.15876	0.1271	0.839	0.948	0.831	0.051	0.042	-17.7	0.051	0.042	
58397	1423747	6399704	0.49736	0.7494	0.608	0.687	0.602	0.65	0.450	-30.8	0.650	0.450	L
58575	5128	55967	0.00000	0.0501	0.891	1.006	0.883	0.111	0.098	-11.7	0.111	0.098	
58663	1084205	5239044	0.26262	0.7100	0.458	0.518	0.454	0.95	0.650	-31.6	0.950	0.650	L
58802	51278	222628	0.00000	0.1162	0.829	0.936	0.821	0.48	0.390	-18.8	0.480	0.390	
58837	6151	40015	1.66158	0.0435	0.969	1.095	0.961	0.161	0.155	-3.7	0.161	0.155	
58840	3596	21377	0.33755	0.0354	0.917	1.036	0.908	0.121	0.110	-9.1	0.121	0.110	
58873	283673	1166829	0.54671	0.3658	0.795	0.898	0.788	0.027	0.021	-22.2	0.027	0.021	
58904	2	15336	0.00000	0.0327	0.907	1.025	0.899	0.12	0.108	-10.0	0.120	0.108	
58922	1422175	6529067	1.11047	0.7528	1.068	1.206	1.058	0.179	0.189	5.6	0.179	0.189	
59005	207136	1353897	0.38515	0.3948	0.720	0.813	0.713	0.089	0.063	-29.2	0.089	0.063	
59188	277	1225	0.00000	0.0266	0.913	1.031	0.905	0.052	0.047	-9.6	0.052	0.047	
59189	4460	19243	0.00000	0.0344	0.906	1.023	0.897	0.28	0.250	-10.7	0.280	0.250	
59223	152906	876089	3.23378	0.3016	1.630	1.842	1.616	0.103	0.128	24.3	0.103	0.128	U
59378	0	0	0.00000	0.0000	0.938	1.000	0.877	0.141	0.124	-12.1	0.141	0.124	
59481	77791	460371	1.32865	0.1951	1.014	1.146	1.005	0.096	0.096	0.0	0.096	0.096	
59701	705	51829	5.57456	0.0482	1.162	1.312	1.151	0.33	0.380	15.2	0.330	0.380	
59713	379216	1923900	0.88118	0.4784	0.911	1.029	0.903	0.33	0.300	-9.1	0.330	0.300	
59722	46195	275150	0.18758	0.1332	0.838	0.947	0.830	0.028	0.023	-17.9	0.028	0.023	
59723	10000	71962	0.00000	0.0568	0.885	0.999	0.877	0.034	0.030	-11.8	0.034	0.030	
59726	77580	549257	1.34202	0.2189	1.026	1.159	1.017	0.023	0.023	0.0	0.023	0.023	
59738	15426	75447	0.00000	0.0582	0.883	0.998	0.875	0.059	0.052	-11.9	0.059	0.052	
59773	0	0	0.00000	0.0000	0.938	1.000	0.877	0.026	0.023	-11.5	0.026	0.023	
59774	524	2526	0.00000	0.0272	0.912	1.031	0.904	0.141	0.127	-9.9	0.141	0.127	
59775	0	0	0.00000	0.0000	0.938	1.000	0.877	0.178	0.156	-12.4	0.178	0.156	
59798	1027219	4257536	0.61905	0.6679	0.725	0.819	0.718	0.46	0.330	-28.3	0.460	0.330	
59886	13102	91407	0.00000	0.0645	0.877	0.991	0.870	0.1	0.087	-13.0	0.100	0.087	
59889	16463	96961	2.38815	0.0667	1.035	1.169	1.025	0.187	0.192	2.7	0.187	0.192	
59914	936170	4860879	0.95504	0.6945	0.950	1.073	0.941	0.69	0.650	-5.8	0.690	0.650	
59915	171484	804416	0.49300	0.2870	0.810	0.915	0.803	0.66	0.530	-19.7	0.660	0.530	
59917	124344	588018	1.05464	0.2300	0.965	1.090	0.956	0.232	0.222	-4.3	0.232	0.222	
59931	146048	740763	0.37382	0.2694	0.786	0.888	0.779	0.48	0.370	-22.9	0.480	0.370	
59932	2725	125369	0.00000	0.0780	0.865	0.977	0.857	0.8	0.690	-13.8	0.800	0.690	
59947	13568	77515	0.00000	0.0589	0.883	0.997	0.875	0.3	0.260	-13.3	0.300	0.260	
59955	22118	111506	0.00794	0.0725	0.870	0.983	0.863	0.132	0.114	-13.6	0.132	0.114	
59970	16046	95806	0.00000	0.0663	0.876	0.989	0.868	0.169	0.147	-13.0	0.169	0.147	

X-TILDE: 0.890

TAU SQUARE: 0.11174

X-TILDE (MONOLINE):

0.885

SIGMA SQUARED:

248731.944

PI-TILDE 0.0016742

L - CAPPED DOWN

U - CAPPED UP

N - NOT SUBJECT TO CAPPING

E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS
 CLASS GROUP : 06
 NUMBER OF YEARS OF DATA USED: 5
 CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 0.999 * 0.878

CLASS	AYE 2020	5 YEAR	5 YEAR	CRED.	FORMULA	INDEX	CHANGE	PRESENT	PROPOSED	STATE-	PRESENT	PROPOSED	L	
	MONO/MULTI	MONO/MULTI	MONO/MULTI					MULTI-	MULTI-	WIDE		STATEWIDE		STATEWIDE
	ALCCL	ALCCL	EXPERIENCE					STATE	STATE	%		OCCUR		OCCUR
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)		
59975	473789	2618905	0.37365	0.5533	0.626	0.707	0.620	0.19	0.130	-31.6	0.190	0.130	L	
59984	61212	184642	0.00000	0.1024	0.842	0.951	0.834	0.049	0.041	-16.3	0.049	0.041		
59988	1130	7576	0.00000	0.0294	0.910	1.028	0.902	0.055	0.050	-9.1	0.055	0.050		
59989	14	86	0.00000	0.0261	0.913	1.032	0.905	0.041	0.037	-9.8	0.041	0.037		

X-TILDE: 0.890 X-TILDE (MONOLINE): 0.885 PI-TILDE 0.0016742
 TAU SQUARE: 0.11174 SIGMA SQUARED: 248731.944

L - CAPPED DOWN
 U - CAPPED UP
 N - NOT SUBJECT TO CAPPING
 E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS
 CLASS GROUP : 07
 NUMBER OF YEARS OF DATA USED: 5
 CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 0.982 * 0.878

CLASS	AYE 2020	5 YEAR	5 YEAR	CRED.	FORMULA	INDEX	CHANGE	PRESENT	PROPOSED	STATE-	PRESENT	PROPOSED
	MONO/MULTI	MONO/MULTI	MONO/MULTI					MULTI-	MULTI-	WIDE		
	ALCCL	ALCCL	RATIO					STATE	STATE	%		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
49239	54348	310465	0.25033	0.1442	0.710	0.905	0.781	0.460	0.360	-21.7	0.460	0.360
50010	40963	188418	0.74807	0.1259	0.782	0.998	0.861	0.380	0.330	-13.2	0.380	0.330
51205	1759	7466	0.00000	0.0980	0.710	0.906	0.781	0.059	0.046	-22.0	0.059	0.046
51206	1843	18981	3.44852	0.0999	1.053	1.343	1.159	0.320	0.370	15.6	0.320	0.370
51220	63410	397315	0.28890	0.1568	0.709	0.904	0.780	1.900	1.480	-22.1	1.900	1.480
51221	562129	3035908	0.72388	0.4138	0.761	0.971	0.837	1.760	1.470	-16.5	1.760	1.470
51222	240707	1339403	1.40386	0.2719	0.955	1.218	1.051	4.530	4.760	5.1	4.530	4.760
51224	1435348	7707686	0.66595	0.6238	0.712	0.908	0.783	1.490	1.170	-21.5	1.490	1.170
51230	0	0	0.00000	0.0000	0.787	1.000	0.863	0.740	0.640	-13.5	0.740	0.640
51252	910124	5433184	0.71106	0.5454	0.746	0.951	0.820	0.074	0.061	-17.6	0.074	0.061
51254	14804	41685	0.00000	0.1035	0.706	0.900	0.777	0.032	0.025	-21.9	0.032	0.025
51333	40824	452350	0.88354	0.1799	0.805	1.026	0.885	0.320	0.280	-12.5	0.320	0.280
51958	257314	1477204	0.69544	0.2850	0.761	0.971	0.837	0.370	0.310	-16.2	0.370	0.310
51970	767997	3342438	0.60740	0.4339	0.709	0.905	0.780	0.177	0.138	-22.0	0.177	0.138
52433	32802	242525	0.43999	0.1341	0.741	0.945	0.815	0.800	0.650	-18.8	0.800	0.650
52581	0	303303	0.50983	0.1429	0.748	0.954	0.823	2.190	1.800	-17.8	2.190	1.800
52744	1465	5618	0.00000	0.0977	0.710	0.906	0.782	0.066	0.052	-21.2	0.066	0.052
53077	148612	937637	1.04265	0.2279	0.845	1.078	0.930	0.219	0.204	-6.9	0.219	0.204
55597	0	0	0.00000	0.0000	0.787	1.000	0.863	1.680	1.450	-13.7	1.680	1.450
55918	2556	10515	0.00000	0.0985	0.710	0.905	0.781	2.260	1.760	-22.1	2.260	1.760
55919	0	0	0.00000	0.0000	0.787	1.000	0.863	3.420	2.950	-13.7	3.420	2.950
56912	833290	4115746	1.16396	0.4788	0.968	1.234	1.065	0.084	0.089	6.0	0.084	0.089
57146	486048	2154340	0.76003	0.3472	0.778	0.992	0.856	0.750	0.640	-14.7	0.750	0.640
58737	20369	201075	0.99740	0.1281	0.814	1.038	0.896	0.550	0.490	-10.9	0.550	0.490
59601	211389	854947	0.54462	0.2204	0.734	0.936	0.807	2.230	1.800	-19.3	2.230	1.800
59660	533534	2570058	0.58513	0.3797	0.711	0.906	0.782	1.060	0.830	-21.7	1.060	0.830
59724	24858	130212	2.33417	0.1175	0.969	1.236	1.066	0.015	0.016	6.7	0.015	0.016
59725	902401	4101320	0.78899	0.4773	0.788	1.005	0.867	0.145	0.126	-13.1	0.145	0.126
59750	5938	27421	0.00000	0.1011	0.708	0.903	0.779	0.181	0.141	-22.1	0.181	0.141
59781	411695	2782419	0.55589	0.3953	0.696	0.887	0.766	0.085	0.065	-23.5	0.085	0.065
59782	465282	2289374	1.39564	0.3607	1.007	1.284	1.108	0.560	0.620	10.7	0.560	0.620

X-TILDE: 0.788 X-TILDE (MONOLINE): 0.784 PI-TILDE 0.0059227
 TAU SQUARE: 0.03000 SIGMA SQUARED: 169355.831

L - CAPPED DOWN
 U - CAPPED UP
 N - NOT SUBJECT TO CAPPING
 E - SUBJECT TO CAPPING EXCEPTION

MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS
CALCULATION OF AGGREGATE LOSS COSTS
AT CURRENT LEVEL
COMBINED SINGLE LIMIT

		\$100,000							TRENDED \$100,000
TYPE OF	ACCIDENT	BASIC LIMIT		EXPOSURE				BASIC LIMIT	
<u>POLICY</u>	<u>YEAR</u>	AGGREGATE LOSS COSTS		DEVELOPMENT		EXPOSURE	AVERAGE	AGGREGATE LOSS COSTS	
	<u>ENDING</u>	<u>AT CURRENT LEVEL</u>	X	<u>FACTOR +@</u>	X	<u>TREND #</u>	X	<u>IPMF *</u>	=
									<u>AT CURRENT LEVEL</u>
MONOLINE	12/31/2017	\$104,100,214		1.000		1.182			\$123,046,453
	12/31/2018	\$122,730,073		1.000		1.144			\$140,403,203
	12/31/2019	\$129,329,062		1.000		1.114			\$144,072,575
	12/31/2020	\$130,228,896		0.970		1.088			\$137,438,368
MULTILINE	12/31/2017	\$237,285,396		1.000		1.180	0.989		\$276,916,803
	12/31/2018	\$261,791,771		1.000		1.144	0.992		\$297,093,868
	12/31/2019	\$267,141,050		1.000		1.114	0.994		\$295,809,559
	12/31/2020	\$259,957,505		0.970		1.090	0.994		\$273,203,952
TOTAL	12/31/2017								\$399,963,256
	12/31/2018								\$437,497,071
	12/31/2019								\$439,882,134
	12/31/2020								\$410,642,320

+ THE DERIVATION OF THE EXPOSURE DEVELOPMENT FACTOR IS SHOWN IN SECTION C, EXHIBIT C18 - CALCULATION OF EXPOSURE DEVELOPMENT FACTORS.

@ THE EXPOSURE DEVELOPMENT FACTOR FOR THE LATEST YEAR HAS BEEN ADJUSTED BY APPLYING A FACTOR OF 0.950 TO REFLECT THE REDUCED EXPECTED EXPOSURE FOR LPCO DUE TO THE COVID-19 PANDEMIC AND THE ECONOMIC RECESSION IN 2020. THE DERIVATION OF THE ADJUSTMENT IS EXPLAINED IN SECTION D.

AGGREGATE LOSS COSTS AT CURRENT LEVEL HAVE BEEN TRENDED FROM AN AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 07/01/2022 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION C, EXHIBIT C21 - AVERAGE ANNUAL EXPOSURE TRENDS.

* THE IMPLICIT PACKAGE MODIFICATION FACTORS APPLIED TO THE DATA FOR INDIVIDUAL PROGRAMS ARE SHOWN IN SECTION C, EXHIBIT C17 - IMPLICIT PACKAGE MODIFICATION FACTORS BY TYPE OF POLICY.

NOTE: THE FACTORS SHOWN ABOVE ARE WEIGHTED AVERAGES OVER ALL STATES.

MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS
OCCURRENCE
FULL COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000	\$100,000					\$100,000
			BASIC LIMIT LOSSES AND ALAE *	BASIC LIMIT INDEMNITY DEVELOPMENT FACTOR #	UNALLOCATED LOSS ADJUSTMENT FACTOR	SEVERITY TREND	FREQUENCY TREND	=	BASIC LIMIT DEVELOPED & TRENDED LOSSES AND ALAE
			X	X	X	X			
BI	B/L INDEMNITY	12/31/2017	\$21,078,162	0.981	1.080	1.379	0.970	\$29,863,335	
		12/31/2018	\$23,036,907	1.063	1.080	1.307	0.975	\$33,711,154	
		12/31/2019	\$19,028,324	1.469	1.080	1.239	0.980	\$36,658,043	
		12/31/2020	\$10,378,387	2.597	1.080	1.174	0.985	\$33,664,491	
BI	ALAE	12/31/2017	\$17,315,074		1.080	1.379	0.970	\$25,014,056	
		12/31/2018	\$19,011,983		1.080	1.307	0.975	\$26,165,640	
		12/31/2019	\$21,123,802		1.080	1.239	0.980	\$27,700,859	
		12/31/2020	\$20,082,424		1.080	1.174	0.985	\$25,080,963	
PD	B/L INDEMNITY	12/31/2017	\$74,379,789	1.357	1.080	1.265	0.970	\$133,745,273	
		12/31/2018	\$77,511,216	1.403	1.080	1.217	0.975	\$139,351,937	
		12/31/2019	\$72,770,543	1.610	1.080	1.170	0.980	\$145,061,453	
		12/31/2020	\$56,956,984	1.877	1.080	1.125	0.985	\$127,933,808	
PD	ALAE	12/31/2017	\$74,827,527		1.080	1.265	0.970	\$99,162,487	
		12/31/2018	\$83,868,774		1.080	1.217	0.975	\$107,477,918	
		12/31/2019	\$86,759,119		1.080	1.170	0.980	\$107,436,246	
		12/31/2020	\$75,799,258		1.080	1.125	0.985	\$90,714,657	
TOTAL FULL COVERAGE		12/31/2017						\$287,785,151	
		12/31/2018						\$306,706,649	
		12/31/2019						\$316,856,601	
		12/31/2020						\$277,393,919	

* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Explanatory Pages C-6 to C-8.

The indemnity development factors shown are weighted averages over all states and all Local Products/Completed Operations class groups.

MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS
OCCURRENCE
DED COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE *	X	\$100,000 BASIC LIMIT INDEMNITY DEVELOPMENT FACTOR #	X	UNALLOCATED LOSS ADJUSTMENT FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSSES AND ALAE
BI	B/L INDEMNITY	12/31/2017	\$3,645,547		1.029		1.080		1.379		0.970		\$5,420,277
		12/31/2018	\$3,158,864		1.146		1.080		1.307		0.975		\$4,983,852
		12/31/2019	\$2,770,839		1.332		1.080		1.239		0.980		\$4,839,504
		12/31/2020	\$1,073,470		2.496		1.080		1.174		0.985		\$3,346,193
BI	ALAE	12/31/2017	\$3,405,079				1.080		1.379		0.970		\$4,919,115
		12/31/2018	\$2,827,876				1.080		1.307		0.975		\$3,891,924
		12/31/2019	\$3,437,030				1.080		1.239		0.980		\$4,507,175
		12/31/2020	\$2,219,410				1.080		1.174		0.985		\$2,771,823
PD	B/L INDEMNITY	12/31/2017	\$22,298,594		1.323		1.080		1.265		0.970		\$39,081,385
		12/31/2018	\$23,648,670		1.429		1.080		1.217		0.975		\$43,298,322
		12/31/2019	\$18,121,530		1.654		1.080		1.170		0.980		\$37,122,494
		12/31/2020	\$13,179,811		2.020		1.080		1.125		0.985		\$31,868,752
PD	ALAE	12/31/2017	\$22,586,904				1.080		1.265		0.970		\$29,932,481
		12/31/2018	\$25,579,666				1.080		1.217		0.975		\$32,780,367
		12/31/2019	\$24,336,416				1.080		1.170		0.980		\$30,136,466
		12/31/2020	\$18,099,556				1.080		1.125		0.985		\$21,661,096
	TOTAL DED COVERAGE	12/31/2017											\$79,353,258
		12/31/2018											\$84,954,465
		12/31/2019											\$76,605,639
		12/31/2020											\$59,647,864
	TOTAL OCCURRENCE	12/31/2017											\$367,138,410
		12/31/2018											\$391,661,116
		12/31/2019											\$393,462,239
		12/31/2020											\$337,041,785

* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Explanatory Pages C-6 to C-8.

The indemnity development factors shown are weighted averages over all states and all Local Products/Completed Operations class groups.

Minnesota

Local Products / Completed Operations

Subline Code 336

Combined Single Limit

Implicit Package Modification Factors (A) by Type of Policy

<u>Type of Policy (B)</u>	<u>Description</u>	<u>Implicit Package Modification Factors</u>
31	Not Applicable	--
32	Not Applicable	--
33	Not Applicable	--
34	Mercantile Policy	1.256
35	Not Applicable	--
36	Service Policy	1.179
37	Industrial / Processing Policy	1.210
38	Contractors Policy	0.952

- (A) Implicit Package Modification Factors shown above reflect the package modifications currently in the ISO manual for Local Product / Completed Operations for each type of package policy. More specifically, the G.L. and Property Implicit Package Modification Factors are calculated so that they average to the current manual CPP modification factors that apply to both property and liability.
- (B) Combined data for risks written under the ISO CPP Program and individual insurer CMP programs have been used. These Implicit Package Modification Factors were applied to the aggregate loss costs at current level in each accident year. The average implicit package modification factor for each accident year is shown in Section C, Exhibit C16, page 1 - Calculation of Aggregate Loss Costs at Current Level. The difference in average implicit package modification factor results from varying aggregate loss-costs-at-current-level distributions by Type of Policy in each year.

MINNESOTA

LOCAL PRODUCTS/COMPLETED OPERATIONS

FULL & DEDUCTIBLE COMBINED
TOTAL LIMITS PREMIUM

CALCULATION OF EXPOSURE DEVELOPMENT FACTORS

(1) Evaluation Period	(2) Multistate Ratio (a)	(3) State Ratio (b)	(4) Credibility (c)	(5) Weighted Ratio (d)	(6) Credibility Constant (Ki)
15 to 27 Months	1.020	1.028	0.9506	1.028	3,000,000
27 to 39 Months	1.000	1.000	0.6142	1.000	35,000,000
Accident Year Ending	Exposure Development From 27:15	39:27	ULT:39		Factor @
12/31/2018			1.000		1.000
12/31/2019		1.000	1.000		1.000
12/31/2020	1.028	1.000	1.000		1.028

(a) See Section C - Multistate Premium Development.

(b) See Section C - Statewide Premium Development.

(c) Credibility is based upon the statewide premium for each evaluation period.
Exposures are assumed to be mature at 39 months.

(d) $\{(3) \times (4)\} + \{(2) \times [1.000 - (4)]\}$

@ An adjustment of 0.950 has been subsequently applied to the exposure development factor for the latest year to reflect the reduced expected exposure for LPCO due to the COVID-19 pandemic and economic recession in 2020. The resulting exposure development factor is displayed on Exhibit C16, page 1 and is reflected in the calculation of the ALCL for the latest year. The derivation of this adjustment is explained in Section D.

MINNESOTA
LOCAL PRODUCTS/COMPLETED OPERATIONS

COMBINED SINGLE LIMIT
TOTAL LIMITS PREMIUM DEVELOPMENT
SUBLINE 336
FULL & DEDUCTIBLE
ACCIDENT YEAR DATA

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
12/31/2013	11,323,138	11,666,964	11,734,110	11,747,741	11,747,405	11,748,194	11,748,194	11,748,194
12/31/2014	13,551,286	13,816,835	13,794,598	13,800,442	13,800,121	13,799,895	13,799,895	
12/31/2015	15,225,102	15,681,989	15,693,663	15,700,919	15,700,246	15,700,246		
12/31/2016	16,011,769	16,973,930	16,966,257	16,954,372	16,954,109			
12/31/2017	18,098,880	18,583,526	18,565,054	18,568,199				
12/31/2018	19,649,166	20,153,641	20,156,975					
12/31/2019	19,926,552	20,193,231						
12/31/2020	18,216,651							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
12/31/2013	1.030	1.006	1.001	1.000	1.000	1.000	1.000
12/31/2014	1.020	0.998	1.000	1.000	1.000	1.000	
12/31/2015	1.030	1.001	1.000	1.000	1.000		
12/31/2016	1.060	1.000	0.999	1.000			
12/31/2017	1.027	0.999	1.000				
12/31/2018	1.026	1.000					
12/31/2019	1.013						

Average Best 3 of 5

27:15	39:27
1.028	1.000

MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS

COMBINED SINGLE LIMIT
TOTAL LIMITS PREMIUM DEVELOPMENT
SUBLINE 336
FULL & DEDUCTIBLE
ACCIDENT YEAR DATA

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
12/31/2013	569,620,424	582,769,479	581,838,886	581,761,292	581,778,229	581,773,854	581,787,617	581,787,927
12/31/2014	633,661,240	650,236,924	649,732,134	649,829,615	649,745,518	649,730,829	649,734,929	
12/31/2015	672,293,788	688,502,113	688,234,176	688,247,008	688,205,780	688,201,994		
12/31/2016	695,664,736	713,882,174	713,920,075	714,386,398	714,385,307			
12/31/2017	711,436,924	724,832,761	724,611,925	724,563,433				
12/31/2018	735,694,108	747,778,860	747,276,949					
12/31/2019	746,494,743	757,723,412						
12/31/2020	732,713,772							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
12/31/2013	1.023	0.998	1.000	1.000	1.000	1.000	1.000
12/31/2014	1.026	0.999	1.000	1.000	1.000	1.000	
12/31/2015	1.024	1.000	1.000	1.000	1.000		
12/31/2016	1.026	1.000	1.001	1.000			
12/31/2017	1.019	1.000	1.000				
12/31/2018	1.016	0.999					
12/31/2019	1.015						

Average Best 3 of 5
27:15
 1.020 39:27
 1.000

MINNESOTA

Completed Operations

Bodily Injury
Full Coverage
Incurred Losses Excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
Evaluation Period	Multistate Ratio (A)	State Ratio (B)	Credibility (C)	Weighted Ratio (D)	Credibility Constant (K _i)
15 to 27 Months	1.937	1.116	0.6065	1.439	310,000
27 to 39 Months	1.483	1.190	0.5664	1.317	350,000
39 to 51 Months	1.096	0.936	0.5374	1.010	380,000
51 to 63 Months	1.006	1.253	0.2897	1.078	420,000
63 to 75 Months	0.976	0.796	0.2702	0.927	470,000
75 to 87 Months	1.000	1.000	0.2346	1.000	520,000
87 to 99 Months	0.996	1.000	0.1050	0.996	580,000
99 to 111 Months	0.997	1.000	0.1049	0.997	640,000
111 to 123 Months	0.991	1.000	0.1672	0.993	710,000
123 to 135 Months	0.997	1.000	0.1490	0.997	790,000
135 to 147 Months	0.998	1.000	0.2337	0.998	880,000
147 to 159 Months	0.999	1.000	0.2137	0.999	980,000
159 to 171 Months	0.998	1.000	0.1975	0.998	1,100,000
171 to 183 Months	1.000	1.000	0.1429	1.000	1,200,000
183 to 195 Months	0.999	1.000	0.1037	0.999	1,400,000
195 to 207 Months	0.998	1.000	0.2006	0.998	1,500,000
207 to 219 Months	0.999	1.000	0.1967	0.999	1,700,000
219 to 231 Months	1.000	1.000	0.1532	1.000	1,900,000
231 to 243 Months	1.000	1.000	0.0549	1.000	2,100,000
243 to Ultimate	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2018			1.010	1.078	0.927	1.000	0.996	0.997	0.993	0.997	0.998
12/31/2019		1.317	1.010	1.078	0.927	1.000	0.996	0.997	0.993	0.997	0.998
12/31/2020	1.439	1.317	1.010	1.078	0.927	1.000	0.996	0.997	0.993	0.997	0.998
	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>ULT:243</u>		<u>Factor</u>
12/31/2018	0.999	0.998	1.000	0.999	0.998	0.999	1.000	1.000	1.000		0.986
12/31/2019	0.999	0.998	1.000	0.999	0.998	0.999	1.000	1.000	1.000		1.298
12/31/2020	0.999	0.998	1.000	0.999	0.998	0.999	1.000	1.000	1.000		1.868

(A) See Exhibit C19 - Multistate Loss Development.

(B) See Exhibit C19 - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

(D) $\{(3) \times (4)\} + \{(2) \times \{1.000 - (4)\}\}$

MINNESOTA

Completed Operations
 Bodily Injury
 Full Coverage
 ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
Evaluation Period	Multistate Ratio (A)
15 to 27 Months	0.0607
27 to 39 Months	0.1355
39 to 51 Months	0.1029
51 to 63 Months	0.0794
63 to 75 Months	0.0445
75 to 87 Months	0.0332
87 to 99 Months	0.0053
99 to 111 Months	0.0073
111 to 123 Months	0.0112
123 to 135 Months	0.0003
135 to 147 Months	0.0041
147 to 159 Months	0.0030
159 to 171 Months	0.0020
171 to Ultimate	A multistate ratio of 1.009 has been used.

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.489	0.429	0.293	0.190	0.111	0.066	0.033
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.028	0.021	0.009	0.009	0.005	0.002	0.000

<u>Full coverage</u>	Reported	\$500,000					
	ALAE as of	Ultimate	ALAE	Additional	ALAE at	171-Ultimate	Ultimate
<u>A.Y.E</u>	<u>3/31/2021</u>	<u>Indemnity</u>	<u>Factor</u>	<u>ALAE</u>	<u>171 Months</u>	<u>Factor</u>	<u>ALAE</u>
12/31/2018	58,604	185,154	0.293	54,287	112,891	1.009	113,907
12/31/2019	4,484	269,335	0.429	115,464	119,948	1.009	121,027
12/31/2020	15,699	944,274	0.489	462,128	477,827	1.009	482,127

(A) See Exhibit C19 - Multistate Loss Development.

Note : Completed Operations Incremental ALAE Factors are calculated using multistate data.

MINNESOTA

Completed Operations

Property Damage
Full Coverage
Incurred Losses Excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
Evaluation Period	Multistate Ratio (A)	State Ratio (B)	Credibility (C)	Weighted Ratio (D)	Credibility Constant (Ki)
15 to 27 Months	1.235	1.212	0.7524	1.218	860,000
27 to 39 Months	1.117	1.091	0.7613	1.097	940,000
39 to 51 Months	1.076	1.027	0.7879	1.037	980,000
51 to 63 Months	1.051	0.954	0.8027	0.973	1,100,000
63 to 75 Months	1.044	1.016	0.7586	1.023	1,200,000
75 to 87 Months	1.040	0.951	0.7261	0.975	1,300,000
87 to 99 Months	1.026	0.997	0.6923	1.006	1,400,000
99 to 111 Months	1.047	0.999	0.7092	1.013	1,500,000
111 to 123 Months	1.017	1.004	0.7396	1.007	1,600,000
123 to 135 Months	1.014	0.994	0.7544	0.999	1,700,000
135 to 147 Months	1.004	1.000	0.7709	1.001	1,900,000
147 to 159 Months	1.008	0.999	0.7569	1.001	2,000,000
159 to 171 Months	1.008	1.000	0.7374	1.002	2,200,000
171 to 183 Months	1.006	1.000	0.6861	1.002	2,400,000
183 to 195 Months	1.005	1.000	0.6712	1.002	2,600,000
195 to 207 Months	1.002	1.000	0.7483	1.001	2,800,000
207 to 219 Months	1.003	1.000	0.7514	1.001	3,000,000
219 to 231 Months	1.002	1.000	0.6942	1.001	3,200,000
231 to 243 Months	1.001	1.000	0.4330	1.001	3,400,000
243 to Ultimate	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2018			1.037	0.973	1.023	0.975	1.006	1.013	1.007	0.999	1.001
12/31/2019		1.097	1.037	0.973	1.023	0.975	1.006	1.013	1.007	0.999	1.001
12/31/2020	1.218	1.097	1.037	0.973	1.023	0.975	1.006	1.013	1.007	0.999	1.001
	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>ULT:243</u>		<u>Factor</u>
12/31/2018	1.001	1.002	1.002	1.002	1.001	1.001	1.001	1.001	1.002		1.045
12/31/2019	1.001	1.002	1.002	1.002	1.001	1.001	1.001	1.001	1.002		1.147
12/31/2020	1.001	1.002	1.002	1.002	1.001	1.001	1.001	1.001	1.002		1.397

(A) See Exhibit C19 - Multistate Loss Development.

(B) See Exhibit C19 - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

(D) $\{(3) \times (4)\} + \{(2) \times \{1.000 - (4)\}\}$

MINNESOTA

Completed Operations
Property Damage
Full Coverage
ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
Evaluation Period	Multistate Ratio (A)
15 to 27 Months	0.0603
27 to 39 Months	0.0814
39 to 51 Months	0.0781
51 to 63 Months	0.0610
63 to 75 Months	0.0466
75 to 87 Months	0.0338
87 to 99 Months	0.0242
99 to 111 Months	0.0292
111 to 123 Months	0.0270
123 to 135 Months	0.0266
135 to 147 Months	0.0180
147 to 159 Months	0.0161
159 to 171 Months	0.0084
171 to Ultimate	A multistate ratio of 1.045 has been used.

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.511	0.450	0.369	0.291	0.230	0.183	0.150
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.125	0.096	0.069	0.043	0.025	0.008	0.000

<u>Full coverage</u>	Reported	\$500,000					
	ALAE as of	Ultimate	ALAE	Additional	ALAE at	171-Ultimate	Ultimate
<u>A.Y.E</u>	<u>3/31/2021</u>	<u>Indemnity</u>	<u>Factor</u>	<u>ALAE</u>	<u>171 Months</u>	<u>Factor</u>	<u>ALAE</u>
12/31/2018	136,042	1,693,399	0.369	624,864	760,906	1.045	795,147
12/31/2019	487,085	2,528,948	0.450	1,139,038	1,626,123	1.045	1,699,299
12/31/2020	255,716	2,020,895	0.511	1,032,071	1,287,787	1.045	1,345,737

(A) See Exhibit C19 - Multistate Loss Development.

Note : Completed Operations Incremental ALAE Factors are calculated using multistate data.

Completed Operations (Subline Code 336)
Full Coverage
MINNESOTA
Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :											
<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2001	172,693	169,693	180,329	160,554	180,592	146,909	121,909	121,909	121,909	121,909	121,909
12/31/2002	128,500	450,000	259,555	219,455	219,455	221,956	221,955	221,955	221,955	221,955	221,955
12/31/2003	1,000	24,730	103,992	79,445	96,445	72,695	72,695	72,695	69,752	69,752	69,752
12/31/2004	174,963	239,724	79,919	130,244	90,425	91,222	92,003	82,003	82,003	82,003	82,003
12/31/2005	0	43,968	45,968	85,200	107,000	7,001	7,631	17,631	7,631	7,631	7,631
12/31/2006	60,510	92,509	185,509	110,509	110,509	110,509	110,509	110,509	110,509	110,509	110,509
12/31/2007	56,468	55,320	130,669	77,081	82,703	80,013	147,513	152,513	152,513	152,513	152,513
12/31/2008	25,606	10,606	606	13,102	3,314	3,314	3,314	3,314	3,314	3,314	3,314
12/31/2009	23,003	1,000	119,811	112,500	112,500	112,500	112,500	112,500	112,500	112,500	112,500
12/31/2010	51,000	41,000	71,010	71,000	20,000	20,000	44,059	22,500	22,500	22,500	22,500
12/31/2011	35,000	10,000	32,500	49,821	50,989	7,500	7,500	7,500	7,500	7,500	
12/31/2012	57,000	20,000	57,500	10,000	110,000	45,000	45,000	45,000	45,000		
12/31/2013	8,597	11,497	115,533	40,533	15,533	15,533	15,533	15,533			
12/31/2014	52,149	43,918	112,028	90,368	100,868	98,868	98,868				
12/31/2015	84,000	62,605	57,605	57,605	57,605	57,605					
12/31/2016	61,000	76,165	23,332	23,332	38,332						
12/31/2017	236,500	320,099	360,579	402,500							
12/31/2018	96,100	61,000	92,909								
12/31/2019	145,169	206,000									
12/31/2020	5,500										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2001	121,909	121,909	121,909	121,909	121,909	121,909	121,909	121,909	121,909
12/31/2002	221,955	221,955	221,955	221,955	221,955	221,955	221,955	221,955	
12/31/2003	69,752	72,399	72,399	72,399	72,399	72,399	72,399		
12/31/2004	82,003	82,003	82,003	82,003	82,003	82,003			
12/31/2005	7,631	7,631	7,631	7,631	7,631				
12/31/2006	110,509	110,509	110,509	110,509					
12/31/2007	152,513	152,513	152,513						
12/31/2008	3,314	3,314							
12/31/2009	112,500								

Completed Operations (Subline Code 336)
Full Coverage
MINNESOTA
Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

	Link Ratios										
<u>A.Y.E.</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/2001	0.983	1.063	0.890	1.125	0.813	0.830	1.000	1.000	1.000	1.000	1.000
12/31/2002	3.502	0.577	0.846	1.000	1.011	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	24.730	4.205	0.764	1.214	0.754	1.000	1.000	0.960	1.000	1.000	1.000
12/31/2004	1.370	0.333	1.630	0.694	1.009	1.009	0.891	1.000	1.000	1.000	1.000
12/31/2005		1.045	1.853	1.256	0.065	1.090	2.310	0.433	1.000	1.000	1.000
12/31/2006	1.529	2.005	0.596	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007	0.980	2.362	0.590	1.073	0.967	1.844	1.034	1.000	1.000	1.000	1.000
12/31/2008	0.414	0.057	21.620	0.253	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2009	0.043	119.811	0.939	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2010	0.804	1.732	1.000	0.282	1.000	2.203	0.511	1.000	1.000	1.000	
12/31/2011	0.286	3.250	1.533	1.023	0.147	1.000	1.000	1.000	1.000		
12/31/2012	0.351	2.875	0.174	11.000	0.409	1.000	1.000	1.000			
12/31/2013	1.337	10.049	0.351	0.383	1.000	1.000	1.000				
12/31/2014	0.842	2.551	0.807	1.116	0.980	1.000					
12/31/2015	0.745	0.920	1.000	1.000	1.000						
12/31/2016	1.249	0.306	1.000	1.643							
12/31/2017	1.353	1.126	1.116								
12/31/2018	0.635	1.523									
12/31/2019	1.419										
3 Yr Mean	1.136	0.985	1.039	1.253	0.993	1.000	1.000	1.000	1.000	1.000	1.000
Best 3/5	1.116	1.190	0.936	1.253	0.796	1.000	1.000	1.000	1.000	1.000	1.000

<u>A.Y.E.</u>	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2003	1.038	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2004	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2005	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2006	1.000	1.000	1.000								
12/31/2007	1.000	1.000									
12/31/2008	1.000										
3 Yr Mean	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
Best 3/5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			

	Development From										
<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2016					0.796	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2017				1.253	0.796	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2018			0.936	1.253	0.796	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2019		1.190	0.936	1.253	0.796	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2020	1.116	1.190	0.936	1.253	0.796	1.000	1.000	1.000	1.000	1.000	1.000

<u>A.Y.E.</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>	
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.796	
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.997	
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.934	
12/31/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.111	
12/31/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.240	

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Completed Operations (Subline Code 336)
Full Coverage
MINNESOTA
Bodily Injury - Occurrence
Incurred Accident Year ALAE Development

Allocated Expenses as of:											
<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2001	1,797	9,366	24,175	40,962	59,145	89,220	70,129	70,129	70,129	70,129	60,812
12/31/2002	3,500	221,751	268,641	282,093	282,093	282,093	281,716	281,716	281,716	281,716	281,716
12/31/2003	106	7,217	25,178	37,648	52,702	39,444	39,444	39,444	37,172	37,172	37,172
12/31/2004	2,917	1,472	36,423	124,320	114,946	144,530	167,758	174,800	175,633	175,633	175,633
12/31/2005	0	6,670	27,224	115,347	145,206	65,207	65,207	73,290	73,290	73,290	73,290
12/31/2006	234	1,283	33,610	248,655	258,486	258,486	258,486	258,486	258,486	258,486	258,486
12/31/2007	6,225	11,190	38,062	54,298	54,508	54,508	58,373	70,977	70,977	70,977	70,977
12/31/2008	0	0	0	31,310	31,477	31,477	31,477	31,477	31,477	31,477	31,477
12/31/2009	1,657	5,557	13,027	13,027	13,027	13,027	13,027	13,027	13,027	13,027	13,027
12/31/2010	27,500	35,915	29,535	65,986	68,377	68,376	74,318	96,010	96,010	96,010	96,010
12/31/2011	0	8,001	12,290	57,114	68,124	68,483	68,483	68,483	68,483	68,483	
12/31/2012	1,974	5,178	42,682	47,352	97,839	193,144	152,366	152,366	152,366		
12/31/2013	13,536	19,115	103,942	77,194	57,014	57,014	57,014	57,014			
12/31/2014	0	14,800	64,801	134,107	99,434	109,433	109,433				
12/31/2015	0	20	20	20	20	20					
12/31/2016	1,130	8,927	7,594	15,094	15,094						
12/31/2017	51,607	25,100	38,438	158,647							
12/31/2018	2,663	28,715	54,211								
12/31/2019	300	3,984									
12/31/2020	0										

<u>A.Y.E</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2001	60,812	60,812	60,812	60,812	60,812	60,812	60,812	60,812	60,812
12/31/2002	281,716	281,716	281,716	281,716	281,716	281,716	281,716	281,716	
12/31/2003	37,172	45,019	45,019	45,019	45,019	45,019	45,019		
12/31/2004	175,633	175,633	175,633	175,633	175,633	175,633			
12/31/2005	73,290	73,290	73,290	73,290	73,290				
12/31/2006	258,486	258,486	258,486	258,486					
12/31/2007	70,977	70,977	70,977						
12/31/2008	31,477	31,477							
12/31/2009	13,027								

Completed Operations (Subline Code 336)
Full Coverage
MINNESOTA
Property Damage - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :											
A.Y.E.	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2001	911,606	1,161,320	1,606,621	1,886,274	2,093,882	2,216,561	2,400,021	2,488,000	2,624,772	2,721,335	2,761,468
12/31/2002	1,525,194	2,633,568	3,114,240	3,953,308	4,204,032	4,295,077	4,510,395	4,574,392	4,731,597	4,721,142	4,682,976
12/31/2003	942,585	1,178,629	1,302,390	1,211,646	1,389,158	1,586,597	1,484,241	1,584,130	1,712,454	1,822,616	1,802,617
12/31/2004	775,971	914,460	1,130,846	1,293,619	1,304,899	1,563,610	1,722,467	1,821,172	1,929,955	1,843,791	1,911,867
12/31/2005	411,515	539,297	707,708	735,884	897,572	1,116,755	1,368,743	1,477,157	1,656,052	1,712,481	1,697,381
12/31/2006	773,957	1,234,502	1,381,607	1,454,295	1,472,231	1,511,557	1,678,975	1,666,832	1,619,643	1,671,742	1,672,907
12/31/2007	995,101	1,380,258	1,593,568	1,463,773	1,713,914	2,221,283	2,606,506	2,753,337	2,845,078	2,843,602	2,787,160
12/31/2008	1,581,500	1,702,246	1,785,972	1,795,057	1,648,880	1,740,349	1,706,647	1,756,507	1,674,855	1,755,801	1,697,213
12/31/2009	1,691,817	1,655,595	2,028,573	2,251,690	2,052,959	1,998,263	1,833,539	1,904,679	1,851,405	1,860,305	1,908,305
12/31/2010	1,159,500	1,357,657	1,580,676	1,790,532	1,779,677	1,718,638	1,634,749	1,561,349	1,593,357	1,605,349	1,605,349
12/31/2011	1,115,044	951,162	1,121,604	1,049,578	1,172,389	1,247,548	1,120,192	1,089,393	1,099,501	1,059,501	
12/31/2012	1,074,109	909,799	871,674	1,048,818	1,116,638	1,098,701	1,007,218	1,007,418	1,022,318		
12/31/2013	1,123,102	899,543	834,901	792,907	849,924	910,030	1,022,660	1,042,559			
12/31/2014	1,590,504	1,800,372	1,639,860	1,675,661	1,455,353	1,437,862	1,414,948				
12/31/2015	1,063,564	1,338,243	1,325,213	1,578,425	1,465,343	1,458,798					
12/31/2016	681,780	1,117,496	1,277,507	1,220,712	1,048,851						
12/31/2017	864,219	911,529	1,038,721	1,145,361							
12/31/2018	891,971	968,727	1,249,791								
12/31/2019	856,695	1,106,124									
12/31/2020	755,807										

A.Y.E.	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2001	2,861,543	2,615,349	2,596,238	2,596,238	2,596,238	2,596,238	2,596,238	2,596,238	2,596,238
12/31/2002	4,668,478	4,695,965	4,695,965	4,695,965	4,695,965	4,668,558	4,668,558	4,668,558	
12/31/2003	1,822,091	1,802,091	1,802,436	1,802,436	1,802,436	1,802,436	1,802,436		
12/31/2004	1,820,302	1,820,302	1,850,302	1,850,302	1,826,363	1,826,363			
12/31/2005	1,669,361	1,660,486	1,655,486	1,655,486	1,655,486				
12/31/2006	1,739,311	1,739,211	1,739,211	1,739,211					
12/31/2007	2,787,160	2,777,660	2,777,660						
12/31/2008	1,699,643	1,699,643							
12/31/2009	1,908,305								

Completed Operations (Subline Code 336)
Full Coverage
MINNESOTA
Property Damage - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

Link Ratios											
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/2001	1.274	1.383	1.174	1.110	1.059	1.083	1.037	1.055	1.037	1.015	1.036
12/31/2002	1.727	1.183	1.269	1.063	1.022	1.050	1.014	1.034	0.998	0.992	0.997
12/31/2003	1.250	1.105	0.930	1.147	1.142	0.935	1.067	1.081	1.064	0.989	1.011
12/31/2004	1.178	1.237	1.144	1.009	1.198	1.102	1.057	1.060	0.955	1.037	0.952
12/31/2005	1.311	1.312	1.040	1.220	1.244	1.226	1.079	1.121	1.034	0.991	0.983
12/31/2006	1.595	1.119	1.053	1.012	1.027	1.111	0.993	0.972	1.032	1.001	1.040
12/31/2007	1.387	1.155	0.919	1.171	1.296	1.173	1.056	1.033	0.999	0.980	1.000
12/31/2008	1.076	1.049	1.005	0.919	1.055	0.981	1.029	0.954	1.048	0.967	1.001
12/31/2009	0.979	1.225	1.110	0.912	0.973	0.918	1.039	0.972	1.005	1.026	1.000
12/31/2010	1.171	1.164	1.133	0.994	0.966	0.951	0.955	1.021	1.008	1.000	
12/31/2011	0.853	1.179	0.936	1.117	1.064	0.898	0.973	1.009	0.964		
12/31/2012	0.847	0.958	1.203	1.065	0.984	0.917	1.000	1.015			
12/31/2013	0.801	0.928	0.950	1.072	1.071	1.124	1.019				
12/31/2014	1.132	0.911	1.022	0.869	0.988	0.984					
12/31/2015	1.258	0.990	1.191	0.928	0.996						
12/31/2016	1.639	1.143	0.956	0.859							
12/31/2017	1.055	1.140	1.103								
12/31/2018	1.086	1.290									
12/31/2019	1.291										
3 Yr Mean	1.144	1.191	1.083	0.885	1.018	1.008	0.997	1.015	0.992	0.998	1.000
Best 3/5	1.212	1.091	1.027	0.954	1.016	0.951	0.997	0.999	1.004	0.994	1.000
	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/2001	0.914	0.993	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2002	1.006	1.000	1.000	1.000	0.994	1.000	1.000	1.000			
12/31/2003	0.989	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2004	1.000	1.016	1.000	0.987	1.000	1.000	1.000	1.000			
12/31/2005	0.995	0.997	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2006	1.000	1.000	1.000								
12/31/2007	0.997	1.000									
12/31/2008	1.000										
3 Yr Mean	0.999	0.999	1.000	0.996	0.998	1.000	1.000	1.000			
Best 3/5	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
Development From											
A.Y.E.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2016					1.016	0.951	0.997	0.999	1.004	0.994	1.000
12/31/2017				0.954	1.016	0.951	0.997	0.999	1.004	0.994	1.000
12/31/2018			1.027	0.954	1.016	0.951	0.997	0.999	1.004	0.994	1.000
12/31/2019		1.091	1.027	0.954	1.016	0.951	0.997	0.999	1.004	0.994	1.000
12/31/2020	1.212	1.091	1.027	0.954	1.016	0.951	0.997	0.999	1.004	0.994	1.000
A.Y.E.	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>		<u>FACTORS</u>
12/31/2016	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		0.959
12/31/2017	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		0.915
12/31/2018	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		0.940
12/31/2019	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.026
12/31/2020	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.243

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Completed Operations (Subline Code 336)
Full Coverage
MINNESOTA
Property Damage - Occurrence
Incurred Accident Year ALAE Development

Allocated Expenses as of:											
<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2001	68,830	148,828	356,941	600,896	793,063	952,751	1,068,994	1,265,855	1,383,891	1,419,440	1,497,860
12/31/2002	107,466	478,947	1,090,565	1,565,478	1,979,549	2,417,626	2,584,304	2,716,471	2,898,460	3,054,117	3,157,858
12/31/2003	50,594	272,592	476,786	639,574	709,730	803,634	874,702	939,223	1,113,844	1,298,714	1,352,013
12/31/2004	127,183	217,796	488,626	736,586	896,141	1,447,604	1,751,341	1,936,719	2,079,749	2,162,934	2,233,258
12/31/2005	71,041	203,740	549,429	614,671	791,216	1,027,126	1,219,217	1,409,740	1,812,879	1,894,871	1,904,846
12/31/2006	67,098	237,379	724,617	990,528	1,190,271	1,291,618	1,491,748	1,653,410	1,675,743	1,678,145	1,785,285
12/31/2007	55,164	551,731	833,538	987,552	1,094,135	1,343,827	1,577,303	1,630,343	1,703,640	1,860,316	1,853,611
12/31/2008	136,909	449,326	1,019,950	1,972,813	2,112,688	2,142,506	2,179,384	2,204,273	2,231,039	2,268,971	2,314,116
12/31/2009	138,740	493,184	758,275	1,139,200	1,504,284	1,571,010	1,726,868	1,742,352	1,769,123	1,769,247	1,808,251
12/31/2010	233,470	583,840	940,229	1,342,015	1,540,098	1,638,966	1,687,652	1,671,450	1,688,108	1,711,943	1,770,832
12/31/2011	223,886	396,842	647,747	709,760	820,316	873,543	950,564	1,017,180	1,056,977	1,057,564	
12/31/2012	437,160	630,644	679,747	739,693	787,846	819,587	846,844	846,852	847,428		
12/31/2013	88,180	180,030	601,148	1,037,310	1,224,474	1,267,761	1,437,502	1,532,622			
12/31/2014	299,255	667,764	968,212	1,215,236	1,307,039	1,323,067	1,333,513				
12/31/2015	221,793	447,580	689,473	928,738	1,013,659	1,045,068					
12/31/2016	221,689	392,346	462,603	596,340	627,818						
12/31/2017	97,129	252,640	387,562	532,861							
12/31/2018	34,183	39,356	157,596								
12/31/2019	245,945	356,746									
12/31/2020	207,024										

<u>A.Y.E</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2001	1,656,075	1,722,541	1,731,482	1,732,794	1,732,794	1,732,794	1,732,794	1,732,794	1,732,794
12/31/2002	3,174,567	3,178,346	3,178,346	3,178,346	3,178,346	3,178,346	3,178,346	3,178,346	
12/31/2003	1,438,036	1,404,538	1,406,512	1,406,512	1,406,512	1,406,512	1,406,512		
12/31/2004	2,260,498	2,290,278	2,321,360	2,321,359	2,307,918	2,307,918			
12/31/2005	1,904,846	1,882,167	1,886,522	1,886,522	1,886,522				
12/31/2006	1,995,286	1,961,127	1,961,127	1,961,127					
12/31/2007	1,865,276	1,865,276	1,865,276						
12/31/2008	2,314,119	2,314,119							
12/31/2009	1,808,251								

Completed Operations (Subline Code 336)
 Full Coverage
 Multistate
 Bodily Injury - Occurrence
 Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2001	3,147,078	6,896,988	8,875,281	10,046,243	10,620,531	10,703,951	10,537,468	10,264,845	10,160,243	10,055,790	10,073,660
12/31/2002	3,349,953	7,504,472	9,980,311	10,739,114	11,413,833	11,434,178	11,751,055	11,912,776	12,182,408	12,243,705	12,289,423
12/31/2003	3,649,739	6,374,007	9,855,117	10,643,030	10,242,425	10,113,158	9,882,735	9,868,429	9,834,268	9,874,169	9,925,179
12/31/2004	4,757,435	7,076,456	10,018,649	11,038,981	10,911,750	10,393,111	10,691,625	10,728,349	10,632,689	10,647,852	10,752,710
12/31/2005	4,388,186	7,349,450	10,380,236	11,465,857	11,224,487	11,436,013	11,806,649	11,841,938	11,764,344	11,856,280	11,811,195
12/31/2006	4,372,298	8,089,789	12,492,545	12,978,217	13,081,177	13,131,237	13,054,276	13,267,905	13,295,194	13,209,873	13,136,763
12/31/2007	4,250,969	8,135,511	11,041,182	12,209,314	12,449,290	12,387,300	12,262,055	12,457,694	12,654,602	12,440,127	12,420,714
12/31/2008	4,477,051	8,264,530	11,488,937	12,110,190	11,987,286	11,962,581	12,556,381	12,168,790	12,203,692	12,176,916	12,347,240
12/31/2009	4,907,998	7,752,213	10,808,572	11,576,578	11,824,807	12,292,444	11,997,164	11,984,581	11,870,178	11,711,846	11,647,048
12/31/2010	4,721,679	9,336,500	11,545,716	13,188,578	14,357,791	14,498,891	14,053,221	14,009,560	13,901,793	13,754,381	13,741,641
12/31/2011	4,620,940	7,448,310	11,185,270	13,258,681	13,188,819	12,167,277	12,217,175	12,158,853	12,121,262	12,249,695	
12/31/2012	3,302,219	7,262,096	12,634,510	12,536,192	12,812,144	12,943,715	12,617,561	12,462,532	12,485,530		
12/31/2013	4,009,181	9,369,084	11,434,028	12,651,725	13,042,877	12,917,785	13,175,334	13,140,939			
12/31/2014	5,251,712	8,139,870	11,970,780	12,429,496	12,296,522	11,667,914	12,184,968				
12/31/2015	4,203,829	7,522,589	11,691,801	12,434,112	12,525,633	12,383,350					
12/31/2016	2,785,029	7,659,646	11,294,119	12,635,136	12,508,438						
12/31/2017	3,924,898	7,829,465	11,188,746	12,973,593							
12/31/2018	4,458,937	8,768,380	13,200,319								
12/31/2019	5,322,602	9,847,022									
12/31/2020	4,903,960										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2001	10,144,561	10,148,345	10,185,387	10,228,594	10,205,230	10,175,029	10,270,074	10,275,530	10,275,531
12/31/2002	12,227,628	12,258,161	12,402,395	12,403,105	12,390,567	12,434,695	12,434,695	12,405,696	
12/31/2003	9,960,683	9,973,730	10,012,480	9,992,481	9,992,981	9,965,981	9,961,119		
12/31/2004	10,813,480	11,009,940	10,949,224	10,956,225	10,982,059	10,953,548			
12/31/2005	11,704,456	11,661,548	11,600,207	11,585,072	11,571,475				
12/31/2006	13,138,757	13,131,204	13,128,204	13,156,954					
12/31/2007	12,445,209	12,358,881	12,354,882						
12/31/2008	12,269,716	12,290,022							
12/31/2009	11,646,625								

Completed Operations (Subline Code 336)
Full Coverage
Multistate
Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

Link Ratios											
A.Y.E.	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2001	2.192	1.287	1.132	1.057	1.008	0.984	0.974	0.990	0.990	1.002	1.007
12/31/2002	2.240	1.330	1.076	1.063	1.002	1.028	1.014	1.023	1.005	1.004	0.995
12/31/2003	1.746	1.546	1.080	0.962	0.987	0.977	0.999	0.997	1.004	1.005	1.004
12/31/2004	1.487	1.416	1.102	0.988	0.952	1.029	1.003	0.991	1.001	1.010	1.006
12/31/2005	1.675	1.412	1.105	0.979	1.019	1.032	1.003	0.993	1.008	0.996	0.991
12/31/2006	1.850	1.544	1.039	1.008	1.004	0.994	1.016	1.002	0.994	0.994	1.000
12/31/2007	1.914	1.357	1.106	1.020	0.995	0.990	1.016	1.016	0.983	0.998	1.002
12/31/2008	1.846	1.390	1.054	0.990	0.998	1.050	0.969	1.003	0.998	1.014	0.994
12/31/2009	1.580	1.394	1.071	1.021	1.040	0.976	0.999	0.990	0.987	0.994	1.000
12/31/2010	1.977	1.237	1.142	1.089	1.010	0.969	0.997	0.992	0.989	0.999	
12/31/2011	1.612	1.502	1.185	0.995	0.923	1.004	0.995	0.997	1.011		
12/31/2012	2.199	1.740	0.992	1.022	1.010	0.975	0.988	1.002			
12/31/2013	2.337	1.220	1.106	1.031	0.990	1.020	0.997				
12/31/2014	1.550	1.471	1.038	0.989	0.949	1.044					
12/31/2015	1.789	1.554	1.063	1.007	0.989						
12/31/2016	2.750	1.474	1.119	0.990							
12/31/2017	1.995	1.429	1.160								
12/31/2018	1.966	1.505									
12/31/2019	1.850										
3 Yr Mean	1.937	1.469	1.114	0.995	0.976	1.013	0.993	0.997	0.996	1.002	0.999
Best 3/5	1.937	1.483	1.096	1.006	0.976	1.000	0.996	0.997	0.991	0.997	0.998
A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/2001	1.000	1.004	1.004	0.998	0.997	1.009	1.001	1.000			
12/31/2002	1.002	1.012	1.000	0.999	1.004	1.000	0.998	1.000			
12/31/2003	1.001	1.004	0.998	1.000	0.997	1.000	1.000	1.000			
12/31/2004	1.018	0.994	1.001	1.002	0.997	0.998	1.000	1.000			
12/31/2005	0.996	0.995	0.999	0.999	0.999	0.998	1.000	1.000			
12/31/2006	0.999	1.000	1.002								
12/31/2007	0.993	1.000									
12/31/2008	1.002										
3 Yr Mean	0.998	0.998	1.001	1.000	0.999	1.003	1.000	1.000			
Best 3/5	0.999	0.998	1.000	0.999	0.998	0.999	1.000	1.000			
Development From											
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2016					0.976	1.000	0.996	0.997	0.991	0.997	0.998
12/31/2017				1.006	0.976	1.000	0.996	0.997	0.991	0.997	0.998
12/31/2018			1.096	1.006	0.976	1.000	0.996	0.997	0.991	0.997	0.998
12/31/2019		1.483	1.096	1.006	0.976	1.000	0.996	0.997	0.991	0.997	0.998
12/31/2020	1.937	1.483	1.096	1.006	0.976	1.000	0.996	0.997	0.991	0.997	0.998
A.Y.E	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS	
12/31/2016	0.999	0.998	1.000	0.999	0.998	0.999	1.000	1.000	1.000	0.949	
12/31/2017	0.999	0.998	1.000	0.999	0.998	0.999	1.000	1.000	1.000	0.955	
12/31/2018	0.999	0.998	1.000	0.999	0.998	0.999	1.000	1.000	1.000	1.046	
12/31/2019	0.999	0.998	1.000	0.999	0.998	0.999	1.000	1.000	1.000	1.552	
12/31/2020	0.999	0.998	1.000	0.999	0.998	0.999	1.000	1.000	1.000	3.006	

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Completed Operations (Subline Code 336)
Deductible
Multistate
Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :											
<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2001	331,894	642,993	891,446	943,561	882,283	963,065	1,220,418	1,318,635	1,270,385	1,257,585	1,164,385
12/31/2002	225,354	646,851	1,121,880	1,161,679	1,371,028	1,358,582	1,669,785	1,719,785	1,543,703	1,465,428	1,394,929
12/31/2003	319,688	867,685	1,374,084	1,263,628	1,219,547	1,322,289	1,324,395	1,348,895	1,328,895	1,328,895	1,352,495
12/31/2004	284,812	636,773	1,044,764	1,067,600	1,106,950	1,026,146	861,035	872,832	906,232	884,332	837,232
12/31/2005	665,915	1,017,993	968,996	915,985	1,102,338	946,460	1,048,014	1,050,014	1,013,114	1,152,023	1,097,448
12/31/2006	817,591	1,004,431	1,254,396	1,371,221	1,366,873	1,198,455	1,173,454	1,394,054	1,533,505	1,479,003	1,380,004
12/31/2007	288,668	836,360	809,251	945,480	1,038,731	1,151,931	1,091,573	1,084,398	1,060,094	1,059,595	1,107,645
12/31/2008	265,445	613,754	655,194	751,041	790,573	969,521	1,005,477	1,143,224	1,156,271	1,093,813	1,092,813
12/31/2009	469,799	950,400	1,066,692	1,261,251	1,154,740	1,304,076	1,245,109	1,194,244	1,135,243	1,250,243	1,234,992
12/31/2010	605,422	724,803	1,278,524	1,684,083	1,425,178	1,358,704	1,283,414	1,329,915	1,424,986	1,424,976	1,424,876
12/31/2011	269,705	719,252	1,177,704	1,637,063	1,670,108	1,554,490	1,554,490	1,553,490	1,553,490	1,553,490	
12/31/2012	375,511	1,139,347	1,248,916	1,495,270	1,496,600	1,542,453	1,539,953	1,559,951	1,559,953		
12/31/2013	1,675,399	2,417,513	2,509,315	2,520,332	2,566,081	2,666,580	2,780,580	2,744,447			
12/31/2014	1,846,961	2,365,649	2,733,796	3,042,055	3,126,374	3,079,274	3,024,274				
12/31/2015	979,370	1,452,033	1,836,642	2,324,453	2,231,757	2,134,218					
12/31/2016	1,105,680	2,275,257	2,744,185	2,914,915	3,438,469						
12/31/2017	576,754	1,929,511	2,434,708	2,835,370							
12/31/2018	867,279	1,817,140	2,006,443								
12/31/2019	1,145,940	1,987,525									
12/31/2020	675,886										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2001	1,164,386	1,164,389	1,207,386	1,167,385	1,167,386	1,192,386	1,192,385	1,192,385	1,250,225
12/31/2002	1,354,028	1,358,930	1,357,862	1,357,861	1,357,861	1,457,860	1,457,860	1,457,860	
12/31/2003	1,350,395	1,327,895	1,327,396	1,327,396	1,427,395	1,427,395	1,427,395		
12/31/2004	836,133	836,034	836,033	936,032	936,032	936,032			
12/31/2005	1,137,449	1,137,448	1,197,697	1,197,447	1,197,447				
12/31/2006	1,338,754	1,438,751	1,438,751	1,438,751					
12/31/2007	1,316,644	1,216,644	1,316,183						
12/31/2008	1,087,813	1,087,902							
12/31/2009	1,234,992								

Completed Operations (Subline Code 336)
Deductible
Multistate
Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

Link Ratios											
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/2001	1.937	1.386	1.058	0.935	1.092	1.267	1.080	0.963	0.990	0.926	1.000
12/31/2002	2.870	1.734	1.035	1.180	0.991	1.229	1.030	0.898	0.949	0.952	0.971
12/31/2003	2.714	1.584	0.920	0.965	1.084	1.002	1.018	0.985	1.000	1.018	0.998
12/31/2004	2.236	1.641	1.022	1.037	0.927	0.839	1.014	1.038	0.976	0.947	0.999
12/31/2005	1.529	0.952	0.945	1.203	0.859	1.107	1.002	0.965	1.137	0.953	1.036
12/31/2006	1.229	1.249	1.093	0.997	0.877	0.979	1.188	1.100	0.964	0.933	0.970
12/31/2007	2.897	0.968	1.168	1.099	1.109	0.948	0.993	0.978	1.000	1.045	1.189
12/31/2008	2.312	1.068	1.146	1.053	1.226	1.037	1.137	1.011	0.946	0.999	0.995
12/31/2009	2.023	1.122	1.182	0.916	1.129	0.955	0.959	0.951	1.101	0.988	1.000
12/31/2010	1.197	1.764	1.317	0.846	0.953	0.945	1.036	1.071	1.000	1.000	
12/31/2011	2.667	1.637	1.390	1.020	0.931	1.000	0.999	1.000	1.000		
12/31/2012	3.034	1.096	1.197	1.001	1.031	0.998	1.013	1.000			
12/31/2013	1.443	1.038	1.004	1.018	1.039	1.043	0.987				
12/31/2014	1.281	1.156	1.113	1.028	0.985	0.982					
12/31/2015	1.483	1.265	1.266	0.960	0.956						
12/31/2016	2.058	1.206	1.062	1.180							
12/31/2017	3.345	1.262	1.165								
12/31/2018	2.095	1.104									
12/31/2019	1.734										
3 Yr Mean	2.391	1.191	1.164	1.056	0.993	1.008	1.000	1.024	1.034	0.996	1.061
Best 3/5	1.962	1.208	1.113	1.016	0.991	0.993	1.000	1.004	1.000	0.996	1.010
A.Y.E.	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/2001	1.000	1.037	0.967	1.000	1.021	1.000	1.000	1.049			
12/31/2002	1.004	0.999	1.000	1.000	1.074	1.000	1.000	1.000			
12/31/2003	0.983	1.000	1.000	1.075	1.000	1.000	1.001	1.000			
12/31/2004	1.000	1.000	1.120	1.000	1.000	1.007	1.001	1.000			
12/31/2005	1.000	1.053	1.000	1.000	1.000	1.007	1.001	1.000			
12/31/2006	1.075	1.000	1.000								
12/31/2007	0.924	1.082									
12/31/2008	1.000										
3 Yr Mean	1.000	1.045	1.040	1.025	1.025	1.000	1.000	1.049			
Best 3/5	1.000	1.018	1.000	1.000	1.007	1.002	1.001	1.000			
Development From											
A.Y.E.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2016					0.991	0.993	1.000	1.004	1.000	0.996	1.010
12/31/2017				1.016	0.991	0.993	1.000	1.004	1.000	0.996	1.010
12/31/2018			1.113	1.016	0.991	0.993	1.000	1.004	1.000	0.996	1.010
12/31/2019		1.208	1.113	1.016	0.991	0.993	1.000	1.004	1.000	0.996	1.010
12/31/2020	1.962	1.208	1.113	1.016	0.991	0.993	1.000	1.004	1.000	0.996	1.010
A.Y.E	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	FACTORS	
12/31/2016	1.000	1.018	1.000	1.000	1.007	1.002	1.001	1.000	1.000	1.022	
12/31/2017	1.000	1.018	1.000	1.000	1.007	1.002	1.001	1.000	1.000	1.038	
12/31/2018	1.000	1.018	1.000	1.000	1.007	1.002	1.001	1.000	1.000	1.156	
12/31/2019	1.000	1.018	1.000	1.000	1.007	1.002	1.001	1.000	1.000	1.396	
12/31/2020	1.000	1.018	1.000	1.000	1.007	1.002	1.001	1.000	1.000	2.739	

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Completed Operations (Subline Code 336)
Full Coverage
Multistate
Bodily Injury - Occurrence
Incurred Accident Year ALAE Development

Allocated Expenses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/2001	587,008	1,889,146	3,550,668	5,856,381	7,168,728	7,903,785	8,368,970	8,430,480	8,476,824	8,486,021	8,455,250
12/31/2002	1,169,551	2,994,987	5,043,148	8,627,618	9,206,538	10,741,552	11,085,391	11,348,295	11,550,940	11,510,641	11,589,123
12/31/2003	978,713	1,670,549	4,225,724	7,429,308	8,065,784	8,930,285	9,513,063	9,515,524	9,374,718	9,429,364	9,477,574
12/31/2004	605,893	1,765,678	4,948,425	7,044,470	8,755,722	9,738,470	10,829,488	10,640,917	10,721,914	10,765,369	11,088,647
12/31/2005	795,291	1,453,009	4,113,092	6,629,594	7,613,765	8,253,091	8,823,310	9,056,687	9,374,800	9,666,002	9,836,541
12/31/2006	753,264	3,271,051	6,642,171	8,422,745	10,008,218	11,121,786	11,745,290	12,140,359	12,550,559	12,481,640	12,461,226
12/31/2007	892,664	2,555,953	5,739,182	9,440,489	10,542,338	11,144,031	11,497,744	11,758,365	11,936,352	12,049,063	12,077,817
12/31/2008	905,373	2,341,590	4,945,922	6,895,236	8,759,533	9,970,868	10,696,605	11,106,782	11,817,706	15,072,696	14,865,306
12/31/2009	791,142	1,992,556	4,472,318	6,773,904	9,080,901	9,746,049	9,978,384	10,200,048	10,211,487	10,329,205	10,368,802
12/31/2010	828,815	2,796,424	5,490,319	8,295,620	10,683,400	11,725,172	12,584,338	12,717,929	13,101,614	13,166,352	13,173,837
12/31/2011	716,332	2,098,880	4,612,803	7,645,738	9,949,610	11,147,764	11,875,095	11,958,145	12,066,049	12,572,129	
12/31/2012	407,386	1,642,911	5,104,377	7,590,458	9,544,260	11,433,682	12,294,249	11,621,812			
12/31/2013	524,675	2,161,161	4,864,877	7,745,661	9,704,425	10,461,433	10,796,101				
12/31/2014	687,276	2,414,313	5,632,907	7,184,609	8,199,932	9,181,840	9,857,251				
12/31/2015	423,936	1,637,552	4,856,165	6,758,926	8,613,541	9,190,026					
12/31/2016	343,497	1,789,881	3,829,589	7,637,296	9,333,591						
12/31/2017	767,321	2,286,794	5,082,918	7,343,880							
12/31/2018	499,146	2,128,982	5,902,446								
12/31/2019	343,873	1,974,215									
12/31/2020	787,916										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2001	8,490,025	8,506,709	8,518,640	8,589,087	8,595,632	8,606,713	8,610,431	8,611,204	8,613,030
12/31/2002	11,658,074	11,845,145	11,933,595	12,047,508	12,061,447	12,320,222	12,365,952	12,400,714	
12/31/2003	9,588,860	9,626,494	9,703,795	9,677,192	9,692,609	9,707,134	9,707,260		
12/31/2004	11,269,026	11,378,607	11,423,036	11,467,881	11,422,482	11,439,868			
12/31/2005	9,976,851	10,204,331	10,281,292	10,156,135	10,131,900				
12/31/2006	12,568,087	12,556,168	12,565,616	12,581,947					
12/31/2007	12,075,337	12,131,961	12,119,116						
12/31/2008	15,085,073	15,099,176							
12/31/2009	10,413,826								

Link Ratios: 171 to Ultimate							
A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243
12/31/2001	1.008	1.001	1.001	1.000	1.000	1.000	1.004
12/31/2002	1.010	1.001	1.021	1.004	1.003	1.001	1.004
12/31/2003	0.997	1.002	1.001	1.000	1.001	1.001	1.004
12/31/2004	1.004	0.996	1.002	1.001	1.001	1.001	1.004
12/31/2005	0.988	0.998	1.000	1.001	1.001	1.001	1.004
12/31/2006	1.001						

Best 3/5	1.001	1.000	1.001	1.001	1.001	1.001	1.004
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171 to Ultimate Factor:	1.009
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Bold - Calculated Using Modified Bondy Method

Completed Operations (Subline Code 336)
Full Coverage
Multistate
Bodily Injury - Occurrence
Incurred Accident Year Incremental ALAE Development

Increments													
A.Y.E.	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135	159:147	171:159
12/31/2001	1,302,138	1,661,522	2,305,713	1,312,347	735,057	465,185	61,510	46,344	9,197	-30,771	34,775	16,684	11,931
12/31/2002	1,825,436	2,048,161	3,584,470	578,920	1,535,014	343,839	262,904	202,645	-40,299	78,482	68,951	187,071	88,450
12/31/2003	691,836	2,555,175	3,203,584	636,476	864,501	582,778	2,461	-140,806	54,646	48,210	111,286	37,634	77,301
12/31/2004	1,159,785	3,182,747	2,096,045	1,711,252	982,748	1,091,018	-188,571	80,997	43,455	323,278	180,379	109,581	44,429
12/31/2005	657,718	2,660,083	2,516,502	984,171	639,326	570,219	233,377	318,113	291,202	170,539	140,310	227,480	76,961
12/31/2006	2,517,787	3,371,120	1,780,574	1,585,473	1,113,568	623,504	395,069	410,200	-68,919	-20,414	106,861	-11,919	9,448
12/31/2007	1,663,289	3,183,229	3,701,307	1,101,849	601,693	353,713	260,621	177,987	112,711	28,754	-2,480	56,624	-12,845
12/31/2008	1,436,217	2,604,332	1,949,314	1,864,297	1,211,335	725,737	410,177	710,924	3,254,990	-207,390	219,767	14,103	
12/31/2009	1,201,414	2,479,762	2,301,586	2,306,997	665,148	232,335	221,664	11,439	117,718	39,597	45,024		
12/31/2010	1,967,609	2,693,895	2,805,301	2,387,780	1,041,772	859,166	133,591	383,685	64,738	7,485			
12/31/2011	1,382,548	2,513,923	3,032,935	2,303,872	1,198,154	727,331	83,050	107,904	506,080				
12/31/2012	1,235,525	3,461,466	2,486,081	1,953,802	1,889,422	860,567	-672,437	29,209					
12/31/2013	1,636,486	2,703,716	2,880,784	1,958,764	757,008	334,668	152,866						
12/31/2014	1,727,037	3,218,594	1,551,702	1,015,323	981,908	675,411							
12/31/2015	1,213,616	3,218,613	1,902,761	1,854,615	576,485								
12/31/2016	1,446,384	2,039,708	3,807,707	1,696,295									
12/31/2017	1,519,473	2,796,124	2,260,962										
12/31/2018	1,629,836	3,773,464											
12/31/2019	1,630,342												

Incremental Percentages													
A.Y.E.	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135	159:147	171:159
12/31/2001	0.0731	0.0932	0.1294	0.0736	0.0412	0.0261	0.0035	0.0026	0.0005	-0.0017	0.0020	0.0009	0.0007
12/31/2002	0.0765	0.0858	0.1501	0.0243	0.0643	0.0144	0.0110	0.0085	-0.0017	0.0033	0.0029	0.0078	0.0037
12/31/2003	0.0401	0.1481	0.1857	0.0369	0.0501	0.0338	0.0001	-0.0082	0.0032	0.0028	0.0065	0.0022	0.0045
12/31/2004	0.0618	0.1695	0.1117	0.0912	0.0523	0.0581	-0.0100	0.0043	0.0023	0.0172	0.0096	0.0058	0.0024
12/31/2005	0.0280	0.1131	0.1070	0.0418	0.0272	0.0242	0.0099	0.0135	0.0124	0.0072	0.0060	0.0097	0.0033
12/31/2006	0.0978	0.1310	0.0692	0.0616	0.0433	0.0242	0.0154	0.0159	-0.0027	-0.0008	0.0042	-0.0005	0.0004
12/31/2007	0.0742	0.1421	0.1652	0.0492	0.0269	0.0158	0.0116	0.0079	0.0050	0.0013	-0.0001	0.0025	-0.0006
12/31/2008	0.0628	0.1138	0.0852	0.0815	0.0530	0.0317	0.0179	0.0311	0.1423	-0.0091	0.0096	0.0006	
12/31/2009	0.0528	0.1089	0.1011	0.1014	0.0292	0.0102	0.0097	0.0005	0.0052	0.0017	0.0020		
12/31/2010	0.0812	0.1112	0.1158	0.0986	0.0430	0.0355	0.0055	0.0158	0.0027	0.0003			
12/31/2011	0.0639	0.1162	0.1402	0.1065	0.0554	0.0336	0.0038	0.0050	0.0234				
12/31/2012	0.0502	0.1405	0.1009	0.0793	0.0767	0.0349	-0.0273	0.0012					
12/31/2013	0.0715	0.1181	0.1258	0.0855	0.0331	0.0146	0.0067						
12/31/2014	0.0794	0.1479	0.0713	0.0467	0.0451	0.0310							
12/31/2015	0.0575	0.1525	0.0902	0.0879	0.0273								
12/31/2016	0.0625	0.0882	0.1646	0.0733									
12/31/2017	0.0624	0.1148	0.0928										
12/31/2018	0.0621	0.1437											
12/31/2019	0.0551												

Best 3/5	0.0607	0.1355	0.1029	0.0794	0.0445	0.0332	0.0053	0.0073	0.0112	0.0003	0.0041	0.0030	0.0020
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Completed Operations (Subline Code 336)
 Full Coverage
 Multistate
 Property Damage - Occurrence
 Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2001	21,694,271	29,470,592	35,236,486	38,919,728	42,004,485	43,339,835	44,204,722	46,355,777	47,816,254	48,364,736	48,426,101
12/31/2002	23,637,624	31,121,739	34,846,238	39,483,093	40,004,694	40,604,716	42,862,894	44,983,999	45,975,996	45,795,168	46,214,900
12/31/2003	26,201,749	31,695,126	35,906,881	36,030,601	38,652,969	39,606,598	40,014,622	41,241,749	42,269,864	42,637,585	43,070,463
12/31/2004	27,384,419	33,738,819	37,142,156	40,712,115	42,675,406	44,996,525	47,198,175	48,323,145	50,022,357	50,869,911	52,212,795
12/31/2005	24,750,857	29,764,556	33,684,105	37,339,202	39,880,547	42,171,213	45,096,318	46,184,771	47,668,344	47,673,908	48,812,846
12/31/2006	31,546,804	37,542,733	43,522,899	48,436,290	53,685,739	55,079,412	56,352,523	56,074,945	56,975,101	57,885,315	59,807,457
12/31/2007	34,852,740	41,736,363	49,917,455	52,387,923	55,073,863	57,285,043	58,383,743	60,435,706	62,257,231	64,140,055	67,147,406
12/31/2008	45,367,350	52,451,927	58,241,620	61,200,600	62,466,988	64,159,032	66,160,860	67,542,596	75,790,432	84,138,435	79,183,267
12/31/2009	48,758,220	57,024,859	63,452,548	64,767,967	66,272,838	67,400,228	68,380,876	71,749,869	77,981,450	78,797,706	78,948,264
12/31/2010	48,144,654	57,184,103	60,770,797	62,719,875	64,866,587	66,667,089	68,576,409	71,159,136	72,652,956	73,266,775	73,711,795
12/31/2011	48,360,698	53,356,466	55,497,542	56,267,929	57,487,719	59,939,140	62,597,155	64,013,113	65,302,529	65,956,455	
12/31/2012	39,575,034	45,103,656	46,491,558	48,858,633	51,816,439	54,523,145	56,449,585	57,263,744	59,145,290		
12/31/2013	35,885,245	40,447,891	44,841,820	47,022,728	49,463,451	51,223,050	53,468,764	54,350,519			
12/31/2014	35,905,762	41,845,234	45,136,747	47,915,694	48,657,190	50,905,721	52,973,437				
12/31/2015	32,673,673	39,066,658	44,551,269	47,868,519	49,826,505	51,938,569					
12/31/2016	32,257,687	42,147,782	46,544,758	50,881,422	54,194,979						
12/31/2017	35,719,050	42,993,798	50,008,075	54,888,152							
12/31/2018	39,011,214	50,179,084	55,600,475								
12/31/2019	42,523,369	51,685,638									
12/31/2020	37,637,809										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2001	48,861,292	48,755,670	49,055,620	49,278,862	49,245,437	49,384,046	49,682,439	49,569,521	49,586,742
12/31/2002	46,568,881	46,707,132	46,781,057	46,842,730	47,238,597	47,357,134	47,630,469	47,625,009	
12/31/2003	43,278,514	43,760,313	44,221,706	44,770,694	45,192,045	45,257,900	45,240,498		
12/31/2004	53,128,127	53,710,667	53,910,379	54,181,082	54,345,726	54,083,231			
12/31/2005	49,457,752	49,856,737	50,410,412	51,274,391	51,526,944				
12/31/2006	61,227,274	61,847,664	62,489,873	62,480,134					
12/31/2007	67,772,935	68,272,115	68,533,834						
12/31/2008	77,409,921	77,410,597							
12/31/2009	78,221,590								

Completed Operations (Subline Code 336)
Full Coverage
Multistate
Property Damage - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

Link Ratios											
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/2001	1.358	1.196	1.105	1.079	1.032	1.020	1.049	1.032	1.011	1.001	1.009
12/31/2002	1.317	1.120	1.133	1.013	1.015	1.056	1.049	1.022	0.996	1.009	1.008
12/31/2003	1.210	1.133	1.003	1.073	1.025	1.010	1.031	1.025	1.009	1.010	1.005
12/31/2004	1.232	1.101	1.096	1.048	1.054	1.049	1.024	1.035	1.017	1.026	1.018
12/31/2005	1.203	1.132	1.109	1.068	1.057	1.069	1.024	1.032	1.000	1.024	1.013
12/31/2006	1.190	1.159	1.113	1.108	1.026	1.023	0.995	1.016	1.016	1.033	1.024
12/31/2007	1.198	1.196	1.049	1.051	1.040	1.019	1.035	1.030	1.030	1.047	1.009
12/31/2008	1.156	1.110	1.051	1.021	1.027	1.031	1.021	1.122	1.110	0.941	0.978
12/31/2009	1.170	1.113	1.021	1.023	1.017	1.015	1.049	1.087	1.010	1.002	0.991
12/31/2010	1.188	1.063	1.032	1.034	1.028	1.029	1.038	1.021	1.008	1.006	
12/31/2011	1.103	1.040	1.014	1.022	1.043	1.044	1.023	1.020	1.010		
12/31/2012	1.140	1.031	1.051	1.061	1.052	1.035	1.014	1.033			
12/31/2013	1.127	1.109	1.049	1.052	1.036	1.044	1.016				
12/31/2014	1.165	1.079	1.062	1.015	1.046	1.041					
12/31/2015	1.196	1.140	1.074	1.041	1.042						
12/31/2016	1.307	1.104	1.093	1.065							
12/31/2017	1.204	1.163	1.098								
12/31/2018	1.286	1.108									
12/31/2019	1.215										
3 Yr Mean	1.235	1.125	1.088	1.040	1.041	1.040	1.018	1.025	1.009	0.983	0.993
Best 3/5	1.235	1.117	1.076	1.051	1.044	1.040	1.026	1.047	1.017	1.014	1.004
Development From											
A.Y.E.	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/2001	0.998	1.006	1.005	0.999	1.003	1.006	0.998	1.000			
12/31/2002	1.003	1.002	1.001	1.008	1.003	1.006	1.000	1.001			
12/31/2003	1.011	1.011	1.012	1.009	1.001	1.000	1.003	1.001			
12/31/2004	1.011	1.004	1.005	1.003	0.995	1.001	1.003	1.001			
12/31/2005	1.008	1.011	1.017	1.005	1.005	1.001	1.003	1.001			
12/31/2006	1.010	1.010	1.000								
12/31/2007	1.007	1.004									
12/31/2008	1.000										
3 Yr Mean	1.006	1.008	1.007	1.006	1.000	1.004	0.999	1.000			
Best 3/5	1.008	1.008	1.006	1.005	1.002	1.003	1.002	1.001			
Development From											
A.Y.E.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2016				1.051	1.044	1.040	1.026	1.047	1.017	1.014	1.004
12/31/2017				1.051	1.044	1.040	1.026	1.047	1.017	1.014	1.004
12/31/2018			1.076	1.051	1.044	1.040	1.026	1.047	1.017	1.014	1.004
12/31/2019		1.117	1.076	1.051	1.044	1.040	1.026	1.047	1.017	1.014	1.004
12/31/2020	1.235	1.117	1.076	1.051	1.044	1.040	1.026	1.047	1.017	1.014	1.004
A.Y.E	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>		FACTORS
12/31/2016	1.008	1.008	1.006	1.005	1.002	1.003	1.002	1.001	1.002		1.253
12/31/2017	1.008	1.008	1.006	1.005	1.002	1.003	1.002	1.001	1.002		1.317
12/31/2018	1.008	1.008	1.006	1.005	1.002	1.003	1.002	1.001	1.002		1.417
12/31/2019	1.008	1.008	1.006	1.005	1.002	1.003	1.002	1.001	1.002		1.583
12/31/2020	1.008	1.008	1.006	1.005	1.002	1.003	1.002	1.001	1.002		1.955

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Completed Operations (Subline Code 336)
Deductible
Multistate
Property Damage - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2001	3,365,915	5,389,121	7,367,580	10,071,047	13,342,921	16,562,164	21,295,801	22,675,702	25,144,800	25,215,873	26,734,003
12/31/2002	3,676,805	5,032,831	7,393,673	9,199,457	10,894,346	13,406,561	15,135,132	16,998,291	19,222,603	19,163,282	19,141,988
12/31/2003	4,139,071	5,996,345	7,577,894	8,315,101	9,628,599	10,242,686	11,222,184	11,909,571	12,610,424	13,475,443	13,403,727
12/31/2004	5,531,945	7,013,325	8,822,457	9,339,923	10,129,281	11,139,148	11,675,449	12,825,957	13,186,713	13,600,259	13,619,149
12/31/2005	6,243,231	8,613,646	9,251,326	9,862,337	11,167,316	11,601,076	11,990,413	12,660,562	13,269,106	13,033,195	13,352,821
12/31/2006	7,443,038	8,885,680	9,852,037	10,388,774	10,467,206	11,301,333	12,002,709	12,471,128	12,732,558	13,524,428	14,174,454
12/31/2007	9,263,565	11,325,441	11,711,109	12,118,200	12,546,034	13,040,706	14,141,714	14,836,898	15,490,285	16,738,878	16,796,707
12/31/2008	8,630,846	11,474,394	13,627,323	13,769,236	14,623,105	15,468,541	16,438,727	16,929,475	17,818,799	17,869,591	18,405,339
12/31/2009	7,758,903	10,000,228	11,347,289	12,076,299	13,034,983	14,275,279	15,206,568	15,642,102	16,209,001	16,760,269	17,111,924
12/31/2010	8,667,708	10,215,270	10,497,232	11,355,205	12,108,370	12,322,170	12,737,910	13,609,270	13,866,609	14,054,347	14,156,797
12/31/2011	8,161,142	9,986,059	10,967,778	11,060,068	11,803,259	12,498,410	12,978,802	13,419,266	13,331,522	13,434,913	
12/31/2012	7,642,572	8,989,149	9,728,923	10,152,337	11,548,065	12,207,963	12,478,795	13,541,902	13,590,252		
12/31/2013	10,233,846	12,061,338	12,734,079	13,564,759	14,180,554	14,855,246	15,535,915	15,831,738			
12/31/2014	10,258,090	12,071,350	13,798,425	15,331,225	16,104,533	16,992,936	17,777,822				
12/31/2015	12,325,124	15,287,294	16,231,829	16,887,946	18,285,651	19,501,878					
12/31/2016	13,135,079	15,174,420	17,563,956	19,010,219	20,767,980						
12/31/2017	11,835,384	14,246,477	17,148,263	19,197,866							
12/31/2018	12,949,411	15,971,064	19,287,764								
12/31/2019	10,437,734	14,018,654									
12/31/2020	8,747,976										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2001	26,893,100	27,001,945	26,614,387	26,523,762	26,350,855	26,414,102	26,346,552	26,328,552	26,328,552
12/31/2002	19,451,097	19,252,890	18,957,054	18,726,926	18,805,818	18,801,614	18,836,615	18,816,614	
12/31/2003	13,250,211	13,450,781	13,104,289	13,055,595	13,000,589	13,000,589	13,001,589		
12/31/2004	13,544,652	13,714,136	13,719,381	13,707,775	13,638,848	13,627,849			
12/31/2005	13,901,423	14,105,739	14,284,371	14,317,252	14,312,150				
12/31/2006	14,272,138	14,398,165	14,677,540	14,498,537					
12/31/2007	16,943,918	17,173,941	17,355,676						
12/31/2008	18,602,924	19,107,648							
12/31/2009	17,335,779								

Completed Operations (Subline Code 336)
Deductible
Multistate
Property Damage - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

Link Ratios											
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/2001	1.601	1.367	1.367	1.325	1.241	1.286	1.065	1.109	1.003	1.060	1.006
12/31/2002	1.369	1.469	1.244	1.184	1.231	1.129	1.123	1.131	0.997	0.999	1.016
12/31/2003	1.449	1.264	1.097	1.158	1.064	1.096	1.061	1.059	1.069	0.995	0.989
12/31/2004	1.268	1.258	1.059	1.085	1.100	1.048	1.099	1.028	1.031	1.001	0.995
12/31/2005	1.380	1.074	1.066	1.132	1.039	1.034	1.056	1.048	0.982	1.025	1.041
12/31/2006	1.194	1.109	1.054	1.008	1.080	1.062	1.039	1.021	1.062	1.048	1.007
12/31/2007	1.223	1.034	1.035	1.035	1.039	1.084	1.049	1.044	1.081	1.003	1.009
12/31/2008	1.329	1.188	1.010	1.062	1.058	1.063	1.030	1.053	1.003	1.030	1.011
12/31/2009	1.289	1.135	1.064	1.079	1.095	1.065	1.029	1.036	1.034	1.021	1.013
12/31/2010	1.179	1.028	1.082	1.066	1.018	1.034	1.068	1.019	1.014	1.007	
12/31/2011	1.224	1.098	1.008	1.067	1.059	1.038	1.034	0.993	1.008		
12/31/2012	1.176	1.082	1.044	1.137	1.057	1.022	1.085	1.004			
12/31/2013	1.179	1.056	1.065	1.045	1.048	1.046	1.019				
12/31/2014	1.177	1.143	1.111	1.050	1.055	1.046					
12/31/2015	1.240	1.062	1.040	1.083	1.067						
12/31/2016	1.155	1.157	1.082	1.092							
12/31/2017	1.204	1.204	1.120								
12/31/2018	1.233	1.208									
12/31/2019	1.343										
3 Yr Mean	1.260	1.190	1.081	1.075	1.057	1.038	1.046	1.005	1.019	1.019	1.011
Best 3/5	1.226	1.168	1.086	1.075	1.057	1.039	1.044	1.020	1.019	1.019	1.011
A.Y.E.	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/2001	1.004	0.986	0.997	0.993	1.002	0.997	0.999	1.000			
12/31/2002	0.990	0.985	0.988	1.004	1.000	1.002	0.999	1.000			
12/31/2003	1.015	0.974	0.996	0.996	1.000	1.000	1.000	1.000			
12/31/2004	1.013	1.000	0.999	0.995	0.999	1.000	1.000	1.000			
12/31/2005	1.015	1.013	1.002	1.000	0.998	1.000	1.000	1.000			
12/31/2006	1.009	1.019	0.988								
12/31/2007	1.014	1.011									
12/31/2008	1.027										
3 Yr Mean	1.017	1.014	0.996	0.997	1.000	1.000	0.999	1.000			
Best 3/5	1.014	1.008	0.994	0.997	1.000	1.000	1.000	1.000			
A.Y.E.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	Development From		<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
					<u>63/ 75</u>	<u>75/ 87</u>					
12/31/2016					1.057	1.039	1.044	1.020	1.019	1.019	1.011
12/31/2017				1.075	1.057	1.039	1.044	1.020	1.019	1.019	1.011
12/31/2018			1.086	1.075	1.057	1.039	1.044	1.020	1.019	1.019	1.011
12/31/2019		1.168	1.086	1.075	1.057	1.039	1.044	1.020	1.019	1.019	1.011
12/31/2020	1.226	1.168	1.086	1.075	1.057	1.039	1.044	1.020	1.019	1.019	1.011
A.Y.E	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	FACTORS	
12/31/2016	1.014	1.008	0.994	0.997	1.000	1.000	1.000	1.000	0.999	1.242	
12/31/2017	1.014	1.008	0.994	0.997	1.000	1.000	1.000	1.000	0.999	1.336	
12/31/2018	1.014	1.008	0.994	0.997	1.000	1.000	1.000	1.000	0.999	1.450	
12/31/2019	1.014	1.008	0.994	0.997	1.000	1.000	1.000	1.000	0.999	1.694	
12/31/2020	1.014	1.008	0.994	0.997	1.000	1.000	1.000	1.000	0.999	2.077	

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Completed Operations (Subline Code 336)
Full Coverage
Multistate
Property Damage - Occurrence
Incurred Accident Year ALAE Development

Allocated Expenses as of:											
A.Y.E.	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2001	3,358,272	6,842,015	12,409,962	17,980,219	22,940,217	28,964,795	35,159,431	40,176,934	44,084,558	46,131,926	47,113,008
12/31/2002	2,740,834	6,154,695	12,229,276	17,426,828	21,139,242	24,115,543	27,844,067	31,235,814	34,335,555	36,046,222	36,974,365
12/31/2003	3,498,017	6,923,098	12,164,508	17,399,135	21,429,416	25,804,680	28,273,383	30,835,977	32,623,350	35,660,042	37,692,746
12/31/2004	3,029,219	6,333,761	12,520,261	18,602,924	23,016,177	27,492,211	33,448,727	38,061,920	43,116,631	46,698,138	50,993,158
12/31/2005	2,444,392	6,068,023	11,219,125	16,653,435	22,256,770	27,131,926	30,956,398	34,894,580	39,450,349	43,066,192	45,318,169
12/31/2006	3,863,618	7,449,616	15,067,535	22,125,041	29,068,461	34,483,990	40,204,674	43,927,237	50,818,935	53,344,031	56,637,205
12/31/2007	4,345,760	8,083,121	15,612,865	21,825,564	28,417,270	33,813,253	38,788,325	44,301,583	48,469,786	52,366,708	56,068,254
12/31/2008	5,277,458	11,397,571	19,661,879	30,229,882	38,556,829	44,836,185	49,092,882	51,734,763	55,758,315	58,957,119	61,671,419
12/31/2009	7,580,084	15,252,231	26,653,980	38,212,715	47,209,324	53,011,656	58,010,648	63,538,476	66,403,078	69,804,607	72,264,249
12/31/2010	6,070,744	14,022,386	24,820,620	36,089,197	42,774,677	48,465,486	53,417,248	55,784,234	58,885,237	59,869,341	60,859,047
12/31/2011	7,259,141	13,891,235	21,042,175	27,473,801	32,420,121	38,078,534	42,940,120	45,034,698	46,694,116	49,091,903	
12/31/2012	5,244,975	11,171,285	18,998,518	26,381,576	34,735,065	38,021,420	40,218,621	42,275,437	45,790,079		
12/31/2013	4,893,341	11,191,326	17,729,264	26,629,535	32,971,771	35,629,039	37,422,274	39,912,605			
12/31/2014	4,583,108	10,427,938	17,747,916	24,166,611	28,358,941	32,775,569	35,592,315				
12/31/2015	4,779,698	10,624,401	18,013,602	24,379,436	30,160,736	35,200,721					
12/31/2016	5,400,779	11,947,730	19,954,768	28,992,199	33,772,660						
12/31/2017	4,108,367	9,553,084	18,203,467	25,018,989							
12/31/2018	3,937,503	11,419,148	19,891,427								
12/31/2019	5,481,368	12,301,948									
12/31/2020	4,815,908										

	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2001	48,001,672	48,503,740	48,690,052	49,127,955	49,674,292	49,832,670	50,138,006	49,925,176	49,990,675
12/31/2002	38,273,601	39,660,495	40,194,432	40,942,575	41,623,025	42,006,578	41,945,441	41,963,322	
12/31/2003	39,045,666	39,642,150	40,566,310	41,334,714	41,524,852	42,137,734	42,384,458		
12/31/2004	54,920,521	57,348,604	58,476,094	58,787,152	59,050,230	59,202,988			
12/31/2005	46,566,782	47,867,350	48,638,840	49,383,047	50,021,227				
12/31/2006	58,655,373	60,233,394	60,189,787	60,657,851					
12/31/2007	57,654,066	59,002,386	59,080,465						
12/31/2008	64,085,245	65,665,913							
12/31/2009	73,744,161								

Link Ratios: 171 to Ultimate							
A.Y.E	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>Ult:243</u>
12/31/2001	1.009	1.011	1.003	1.006	0.996	1.001	1.004
12/31/2002	1.019	1.017	1.009	0.999	1.000	1.002	1.004
12/31/2003	1.019	1.005	1.015	1.006	1.004	1.002	1.004
12/31/2004	1.005	1.004	1.003	1.004	1.004	1.002	1.004
12/31/2005	1.015	1.013	1.007	1.004	1.004	1.002	1.004
12/31/2006	1.008						
Best 3/5	1.014	1.010	1.006	1.005	1.003	1.002	1.004
171 to Ultimate Factor:			1.045				

Bold - Calculated Using Modified Bondy Method

Completed Operations (Subline Code 336)
 Full Coverage
 Multistate
 Property Damage - Occurrence
 Incurred Accident Year Incremental ALAE Development

		Increments											
A.Y.E.	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135	159:147	171:159
12/31/2001	3,483,743	5,567,947	5,570,257	4,959,998	6,024,578	6,194,636	5,017,503	3,907,624	2,047,368	981,082	888,664	502,068	186,312
12/31/2002	3,413,861	6,074,581	5,197,552	3,712,414	2,976,301	3,728,524	3,391,747	3,099,741	1,710,667	928,143	1,299,236	1,386,894	533,937
12/31/2003	3,425,081	5,241,410	5,234,627	4,030,281	4,375,264	2,468,703	2,562,594	1,787,373	3,036,692	2,032,704	1,352,920	596,484	924,160
12/31/2004	3,304,542	6,186,500	6,082,663	4,413,253	4,476,034	5,956,516	4,613,193	5,054,711	3,581,507	4,295,020	3,927,363	2,428,083	1,127,490
12/31/2005	3,623,631	5,151,102	5,434,310	5,603,335	4,875,156	3,824,472	3,938,182	4,555,769	3,615,843	2,251,977	1,248,613	1,300,568	771,490
12/31/2006	3,585,998	7,617,919	7,057,506	6,943,420	5,415,529	5,720,684	3,722,563	6,891,698	2,525,096	3,293,174	2,018,168	1,578,021	-43,607
12/31/2007	3,737,361	7,529,744	6,212,699	6,591,706	5,395,983	4,975,072	5,513,258	4,168,203	3,896,922	3,701,546	1,585,812	1,348,320	78,079
12/31/2008	6,120,113	8,264,308	10,568,003	8,326,947	6,279,356	4,256,697	2,641,881	4,023,552	3,198,804	2,714,300	2,413,826	1,580,668	
12/31/2009	7,672,147	11,401,749	11,558,735	8,996,609	5,802,332	4,998,992	5,527,828	2,864,602	3,401,529	2,459,642	1,479,912		
12/31/2010	7,951,642	10,798,234	11,268,577	6,685,480	5,690,809	4,951,762	2,366,986		984,104				
12/31/2011	6,632,094	7,150,940	6,431,626	4,946,320	5,658,413	4,861,586	2,094,578	1,659,418	2,397,787				
12/31/2012	5,926,310	7,827,233	7,383,058	8,353,489	3,286,355	2,197,201	2,056,816	3,514,642					
12/31/2013	6,297,985	6,537,938	8,900,271	6,342,236	2,657,268	1,793,235	2,490,331						
12/31/2014	5,844,830	7,319,978	6,418,695	4,192,330	4,416,628	2,816,746							
12/31/2015	5,844,703	7,389,201	6,365,834	5,781,300	5,039,985								
12/31/2016	6,546,951	8,007,038	9,037,431	4,780,461									
12/31/2017	5,444,717	8,650,383	6,815,522										
12/31/2018	7,481,645	8,472,279											
12/31/2019	6,820,580												

		Incremental Percentages											
A.Y.E.	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135	159:147	171:159
12/31/2001	0.0488	0.0779	0.0780	0.0694	0.0843	0.0867	0.0702	0.0547	0.0287	0.0137	0.0124	0.0070	0.0026
12/31/2002	0.0490	0.0872	0.0746	0.0533	0.0427	0.0535	0.0487	0.0445	0.0246	0.0133	0.0186	0.0199	0.0077
12/31/2003	0.0529	0.0810	0.0809	0.0623	0.0676	0.0381	0.0396	0.0276	0.0469	0.0314	0.0209	0.0092	0.0143
12/31/2004	0.0407	0.0761	0.0748	0.0543	0.0551	0.0733	0.0568	0.0622	0.0441	0.0528	0.0483	0.0299	0.0139
12/31/2005	0.0489	0.0695	0.0733	0.0756	0.0658	0.0516	0.0531	0.0615	0.0488	0.0304	0.0168	0.0175	0.0104
12/31/2006	0.0388	0.0823	0.0763	0.0750	0.0585	0.0618	0.0402	0.0745	0.0273	0.0356	0.0218	0.0171	-0.0005
12/31/2007	0.0381	0.0767	0.0633	0.0671	0.0550	0.0507	0.0562	0.0425	0.0397	0.0377	0.0162	0.0137	0.0008
12/31/2008	0.0532	0.0718	0.0918	0.0724	0.0546	0.0370	0.0230	0.0350	0.0278	0.0236	0.0210	0.0137	
12/31/2009	0.0647	0.0961	0.0975	0.0759	0.0489	0.0422	0.0466	0.0242	0.0287	0.0207	0.0125		
12/31/2010	0.0727	0.0988	0.1031	0.0612	0.0521	0.0453	0.0217	0.0284	0.0090	0.0091			
12/31/2011	0.0678	0.0731	0.0657	0.0506	0.0578	0.0497	0.0214	0.0170	0.0245				
12/31/2012	0.0663	0.0875	0.0826	0.0934	0.0368	0.0246	0.0230	0.0393					
12/31/2013	0.0706	0.0733	0.0997	0.0711	0.0298	0.0201	0.0279						
12/31/2014	0.0651	0.0815	0.0715	0.0467	0.0492	0.0314							
12/31/2015	0.0624	0.0788	0.0679	0.0617	0.0538								
12/31/2016	0.0687	0.0840	0.0948	0.0501									
12/31/2017	0.0541	0.0859	0.0677										
12/31/2018	0.0635	0.0720											
12/31/2019	0.0551												

Best 3/5	0.0603	0.0814	0.0781	0.0610	0.0466	0.0338	0.0242	0.0292	0.0270	0.0266	0.0180	0.0161	0.0084
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Local Products (Subline Code 336)
Full Coverage
Multistate
Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :											
<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2001	5,941,987	7,466,431	8,490,025	8,885,440	8,770,733	8,941,854	9,042,228	8,986,841	9,031,902	8,960,082	9,008,502
12/31/2002	6,310,455	7,659,113	9,148,926	10,254,755	10,358,149	10,260,676	10,057,780	10,027,762	10,027,962	10,027,640	10,130,141
12/31/2003	4,443,504	6,565,451	9,083,895	9,493,087	9,855,636	9,887,887	9,671,288	9,565,105	9,578,282	9,663,319	9,545,309
12/31/2004	5,198,797	6,553,459	7,915,913	8,542,668	8,341,018	8,090,404	8,156,566	7,999,394	8,047,361	8,068,362	8,039,797
12/31/2005	5,886,133	6,328,061	7,715,091	7,995,950	7,802,764	7,744,478	7,731,992	7,777,443	7,670,006	7,649,005	7,649,005
12/31/2006	5,109,004	6,178,644	7,561,117	7,492,478	7,376,246	7,252,189	7,065,367	7,091,205	7,152,705	7,152,705	7,152,705
12/31/2007	5,010,776	5,619,278	6,952,699	6,944,328	7,180,763	7,066,252	6,913,796	6,691,408	6,581,799	6,596,796	6,596,796
12/31/2008	5,733,899	6,843,792	7,697,791	7,577,473	7,318,031	7,334,850	7,357,767	7,239,016	7,239,016	7,233,016	7,233,016
12/31/2009	6,324,048	7,014,552	8,582,260	8,590,031	8,488,017	8,494,867	8,423,270	8,447,026	8,450,585	8,450,585	8,445,585
12/31/2010	7,034,396	8,333,938	10,024,444	10,144,631	10,436,273	10,272,827	10,227,461	10,225,517	10,225,517	10,220,127	10,224,630
12/31/2011	6,646,493	7,634,335	8,472,635	8,978,314	8,811,831	8,664,823	8,603,014	8,475,341	8,513,345	8,513,245	
12/31/2012	4,732,181	6,064,887	7,176,443	7,427,762	7,482,435	7,432,895	7,380,278	7,330,878	7,330,778		
12/31/2013	5,249,928	6,275,250	7,003,759	6,998,239	6,916,994	6,929,068	7,070,328	7,173,690			
12/31/2014	4,801,456	5,730,169	6,090,861	6,414,414	6,471,973	6,602,122	6,605,394				
12/31/2015	4,993,029	5,243,324	5,973,401	6,441,985	6,369,134	6,220,192					
12/31/2016	3,896,131	5,088,211	6,711,414	6,624,154	6,648,189						
12/31/2017	4,151,898	5,703,872	6,635,165	6,969,710							
12/31/2018	3,939,756	5,412,405	5,997,568								
12/31/2019	4,342,373	5,445,609									
12/31/2020	3,499,361										
<u>A.Y.E</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>		
12/31/2001	9,004,261	9,003,261	9,025,161	8,983,661	8,964,026	8,939,786	8,946,786	8,942,926	8,976,534		
12/31/2002	10,090,203	10,094,202	10,084,202	10,104,201	10,104,202	10,104,202	10,104,202	10,104,203			
12/31/2003	9,534,309	9,524,309	9,524,309	9,534,309	9,527,114	9,527,114	9,527,115				
12/31/2004	8,041,296	8,039,796	8,039,796	8,039,796	8,039,796	8,039,798					
12/31/2005	7,656,795	7,649,005	7,651,005	7,651,445	7,654,824						
12/31/2006	7,152,705	7,152,705	7,152,705	7,152,705							
12/31/2007	6,596,796	6,596,795	6,596,795								
12/31/2008	7,233,016	7,253,003									
12/31/2009	8,445,585										

Local Products (Subline Code 336)
Full Coverage
Multistate
Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

Link Ratios											
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/2001	1.257	1.137	1.047	0.987	1.020	1.011	0.994	1.005	0.992	1.005	1.000
12/31/2002	1.214	1.195	1.121	1.010	0.991	0.980	0.997	1.000	1.000	1.010	0.996
12/31/2003	1.478	1.384	1.045	1.038	1.003	0.978	0.989	1.001	1.009	0.988	0.999
12/31/2004	1.261	1.208	1.079	0.976	0.970	1.008	0.981	1.006	1.003	0.996	1.000
12/31/2005	1.075	1.219	1.036	0.976	0.993	0.998	1.006	0.986	0.997	1.000	1.001
12/31/2006	1.209	1.224	0.991	0.984	0.983	0.974	1.004	1.009	1.000	1.000	1.000
12/31/2007	1.121	1.237	0.999	1.034	0.984	0.978	0.968	0.984	1.002	1.000	1.000
12/31/2008	1.194	1.125	0.984	0.966	1.002	1.003	0.984	1.000	0.999	1.000	1.000
12/31/2009	1.109	1.223	1.001	0.988	1.001	0.992	1.003	1.000	1.000	0.999	1.000
12/31/2010	1.185	1.203	1.012	1.029	0.984	0.996	1.000	1.000	0.999	1.000	
12/31/2011	1.149	1.110	1.060	0.981	0.983	0.993	0.985	1.004	1.000		
12/31/2012	1.282	1.183	1.035	1.007	0.993	0.993	0.993	1.000			
12/31/2013	1.195	1.116	0.999	0.988	1.002	1.020	1.015				
12/31/2014	1.193	1.063	1.053	1.009	1.020	1.000					
12/31/2015	1.050	1.139	1.078	0.989	0.977						
12/31/2016	1.306	1.319	0.987	1.004							
12/31/2017	1.374	1.163	1.050								
12/31/2018	1.374	1.108									
12/31/2019	1.254										
3 Yr Mean	1.334	1.197	1.038	1.001	1.000	1.004	0.998	1.001	1.000	1.000	1.000
Best 3/5	1.311	1.137	1.034	1.000	0.993	0.996	0.999	1.000	1.000	1.000	1.000
	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/2001	1.000	1.002	0.995	0.998	0.997	1.001	1.000	1.004			
12/31/2002	1.000	0.999	1.002	1.000	1.000	1.000	1.000	1.000			
12/31/2003	0.999	1.000	1.001	0.999	1.000	1.000	1.000	1.000			
12/31/2004	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2005	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2006	1.000	1.000	1.000								
12/31/2007	1.000	1.000									
12/31/2008	1.003										
3 Yr Mean	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.004			
Best 3/5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
	Development From										
A.Y.E.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2016					0.993	0.996	0.999	1.000	1.000	1.000	1.000
12/31/2017				1.000	0.993	0.996	0.999	1.000	1.000	1.000	1.000
12/31/2018			1.034	1.000	0.993	0.996	0.999	1.000	1.000	1.000	1.000
12/31/2019		1.137	1.034	1.000	0.993	0.996	0.999	1.000	1.000	1.000	1.000
12/31/2020	1.311	1.137	1.034	1.000	0.993	0.996	0.999	1.000	1.000	1.000	1.000
	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>		FACTORS
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		0.988
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		0.988
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.022
12/31/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.162
12/31/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.523

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Local Products (Subline Code 336)
Deductible
Multistate
Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :

A.Y.E.	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2001	223,397	250,386	321,536	394,928	360,928	360,928	350,928	350,928	350,928	364,332	364,332
12/31/2002	338,196	409,774	364,366	472,857	463,103	424,364	424,363	424,363	424,363	424,363	424,363
12/31/2003	116,528	244,915	205,040	259,754	177,361	111,576	110,076	84,975	84,975	84,975	84,975
12/31/2004	697,843	657,590	1,063,635	1,241,071	845,010	846,290	823,891	823,890	823,890	823,890	823,890
12/31/2005	641,903	761,351	1,110,820	1,006,327	901,359	984,776	984,775	984,825	984,825	985,454	985,454
12/31/2006	419,639	866,466	845,510	721,656	744,439	743,882	743,882	743,882	743,882	743,882	743,882
12/31/2007	356,556	468,073	750,142	791,851	741,682	731,782	731,782	762,782	762,782	762,782	756,782
12/31/2008	526,684	424,649	539,111	421,590	352,812	346,242	345,742	345,742	345,742	345,742	345,742
12/31/2009	280,949	292,020	305,963	243,979	437,219	438,219	438,219	438,219	438,219	438,219	438,219
12/31/2010	430,140	332,606	294,229	281,729	287,729	287,729	287,729	281,729	281,729	281,729	281,729
12/31/2011	423,952	633,662	867,478	857,128	864,628	848,229	934,729	934,729	934,774	949,774	
12/31/2012	326,481	435,311	376,201	400,369	485,565	489,369	489,369	489,369	489,369		
12/31/2013	380,760	640,789	672,182	828,320	844,087	843,635	843,635	843,635			
12/31/2014	912,269	926,758	881,910	1,152,673	1,102,673	1,086,673	1,086,673				
12/31/2015	406,162	569,654	628,440	741,804	724,134	740,840					
12/31/2016	303,321	438,584	584,760	572,780	548,305						
12/31/2017	371,004	930,605	852,221	802,692							
12/31/2018	382,102	499,796	463,354								
12/31/2019	326,583	527,796									
12/31/2020	224,494										

A.Y.E.	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2001	364,332	349,933	396,275	396,275	371,275	367,074	450,928	505,828	506,828
12/31/2002	424,363	424,363	424,363	416,863	416,863	416,863	416,863	416,863	
12/31/2003	84,975	84,975	84,975	84,975	84,975	84,975	84,975		
12/31/2004	823,890	823,890	823,890	823,890	823,890	823,890			
12/31/2005	985,454	985,454	985,454	985,454	985,454				
12/31/2006	743,882	743,882	743,882	743,882					
12/31/2007	756,782	756,782	756,782						
12/31/2008	345,742	345,742							
12/31/2009	438,219								

Local Products (Subline Code 336)
Deductible
Multistate
Bodily Injury - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

Link Ratios											
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/2001	1.121	1.284	1.228	0.914	1.000	0.972	1.000	1.000	1.038	1.000	1.000
12/31/2002	1.212	0.889	1.298	0.979	0.916	0.974	1.000	1.000	1.000	1.000	1.000
12/31/2003	2.102	0.837	1.267	0.683	0.629	0.987	0.772	1.000	1.000	1.000	1.000
12/31/2004	0.942	1.617	1.167	0.681	1.002	0.974	1.000	1.000	1.000	1.000	1.000
12/31/2005	1.186	1.459	0.906	0.896	1.093	1.000	1.000	1.000	1.001	1.000	1.000
12/31/2006	2.065	0.976	0.854	1.032	0.999	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007	1.313	1.603	1.056	0.937	0.987	1.000	1.042	1.000	1.000	0.992	1.000
12/31/2008	0.806	1.270	0.782	0.837	0.981	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2009	1.039	1.048	0.797	1.792	1.002	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2010	0.773	0.885	0.958	1.021	1.000	1.000	0.979	1.000	1.000	1.000	
12/31/2011	1.495	1.369	0.988	1.009	0.981	1.102	1.000	1.000	1.016		
12/31/2012	1.333	0.864	1.064	1.213	1.008	1.000	1.000	1.000			
12/31/2013	1.683	1.049	1.232	1.019	0.999	1.000	1.000				
12/31/2014	1.016	0.952	1.307	0.957	0.985	1.000					
12/31/2015	1.403	1.103	1.180	0.976	1.023						
12/31/2016	1.446	1.333	0.980	0.957							
12/31/2017	2.508	0.916	0.942								
12/31/2018	1.308	0.927									
12/31/2019	1.616										
3 Yr Mean	1.811	1.059	1.034	0.963	1.002	1.000	1.000	1.000	1.005	1.000	1.000
Best 3/5	1.488	0.994	1.131	0.984	0.997	1.000	1.000	1.000	1.000	1.000	1.000
A.Y.E.	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/2001	0.960	1.132	1.000	0.937	0.989	1.228	1.122	1.002			
12/31/2002	1.000	1.000	0.982	1.000	1.000	1.000	1.000	1.000			
12/31/2003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2004	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2005	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2006	1.000	1.000	1.000								
12/31/2007	1.000	1.000									
12/31/2008	1.000										
3 Yr Mean	1.000	1.000	1.000	1.000	1.000	1.076	1.061	1.002			
Best 3/5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
Development From											
A.Y.E.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2016					0.997	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2017				0.984	0.997	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2018			1.131	0.984	0.997	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2019		0.994	1.131	0.984	0.997	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2020	1.488	0.994	1.131	0.984	0.997	1.000	1.000	1.000	1.000	1.000	1.000
A.Y.E.	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	FACTORS	
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.997	
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.981	
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.110	
12/31/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.103	
12/31/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.641	

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Local Products (Subline Code 336)
Full Coverage
Multistate
Bodily Injury - Occurrence
Incurred Accident Year ALAE Development

Allocated Expenses as of:											
A.Y.E.	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2001	984,954	1,833,027	2,622,276	3,159,998	3,625,803	3,980,315	4,611,013	4,680,495	4,797,709	5,081,833	5,162,970
12/31/2002	1,616,219	2,417,425	3,764,901	4,488,428	5,499,743	5,822,779	5,918,429	6,054,363	6,110,418	6,122,105	6,216,055
12/31/2003	666,695	1,367,098	2,212,168	3,049,688	3,561,468	3,894,150	4,036,684	4,014,340	4,023,588	4,058,835	4,132,802
12/31/2004	660,629	1,335,789	2,271,675	2,902,071	3,426,898	3,646,486	3,784,653	3,926,261	3,936,468	3,935,683	3,936,428
12/31/2005	530,908	1,194,618	2,011,984	2,593,208	3,082,284	2,991,913	3,073,264	3,066,565	3,057,751	3,038,564	3,038,594
12/31/2006	586,774	1,486,848	2,471,427	3,670,163	4,531,814	4,846,914	4,991,766	4,963,139	4,996,262	4,991,583	4,991,583
12/31/2007	645,707	1,136,513	2,336,138	2,867,571	3,583,612	3,839,549	4,062,726	3,901,779	3,939,707	3,935,586	3,937,722
12/31/2008	639,311	1,309,090	2,425,710	3,183,749	3,482,394	3,546,322	3,588,086	3,599,248	3,599,248	3,598,591	3,598,591
12/31/2009	614,946	1,375,840	2,491,774	3,194,169	3,705,947	4,445,876	3,896,747	3,907,956	3,906,111	3,916,441	3,915,767
12/31/2010	842,247	1,807,794	3,180,116	4,517,573	5,675,957	5,789,305	5,720,332	5,724,589	5,728,478	5,739,565	5,740,616
12/31/2011	604,720	1,262,901	2,529,891	3,702,579	4,264,560	4,609,256	4,760,119	4,772,195	4,801,903	4,838,376	
12/31/2012	576,488	1,512,489	3,354,987	4,281,751	4,794,028	5,229,437	5,352,856	5,397,090	5,472,176		
12/31/2013	951,080	2,045,103	3,368,442	4,429,543	5,092,149	5,524,340	5,815,908	5,961,238			
12/31/2014	699,459	1,408,333	2,230,038	2,780,019	3,079,402	3,232,507	3,267,117				
12/31/2015	436,442	899,384	1,693,602	2,448,815	2,711,905	2,799,126					
12/31/2016	459,112	1,176,860	2,187,418	2,448,698	2,864,676						
12/31/2017	530,916	1,525,971	2,588,261	3,652,791							
12/31/2018	655,910	986,835	1,924,225								
12/31/2019	496,154	2,367,516									
12/31/2020	495,783										

A.Y.E	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2001	5,183,472	5,183,162	5,201,810	5,237,899	5,270,715	5,303,322	5,350,522	5,344,228	5,390,254
12/31/2002	6,266,999	6,323,000	6,318,607	6,332,778	6,354,225	6,363,875	6,366,324	6,366,356	
12/31/2003	4,113,092	4,113,092	4,110,985	4,160,985	4,153,222	4,149,552	4,149,594		
12/31/2004	3,933,628	3,933,617	3,930,478	3,930,806	3,930,806	3,931,277			
12/31/2005	3,038,594	3,069,041	3,069,176	3,069,564	3,071,235				
12/31/2006	4,991,583	4,991,583	4,991,583	4,992,054					
12/31/2007	3,936,789	3,941,128	3,941,767						
12/31/2008	3,598,591	3,599,075							
12/31/2009	3,916,902								

Local Products (Subline Code 336)
Full Coverage
Multistate
Bodily Injury - Occurrence
Incurred Accident Year Incremental ALAE Development

	Increments												
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>	<u>159:147</u>	<u>171:159</u>
12/31/2001	848,073	789,249	537,722	465,805	354,512	630,698	69,482	117,214	284,124	81,137	20,502	-310	18,648
12/31/2002	801,206	1,347,476	723,527	1,011,315	323,036	95,650	135,934	56,055	11,687	93,950	50,944	56,001	-4,393
12/31/2003	700,403	845,070	837,520	511,780	332,682	142,534	-22,344	9,248	35,247	73,967	-19,710	0	-2,107
12/31/2004	675,160	935,886	630,396	524,827	219,588	138,167	141,608	10,207	-785	745	-2,800	-11	-3,139
12/31/2005	663,710	817,366	581,224	489,076	-90,371	81,351	-6,699	-8,814	-19,187	30	0	30,447	135
12/31/2006	900,074	984,579	1,198,736	861,651	315,100	144,852	-28,627	33,123	-4,679	0	0	0	0
12/31/2007	490,806	1,199,625	531,433	716,041	255,937	223,177	-160,947	37,928	-4,121	2,136	-933	4,339	639
12/31/2008	669,779	1,116,620	758,039	298,645	63,928	41,764	11,162	0	-657	0	0	484	
12/31/2009	760,894	1,115,934	702,395	511,778	739,929	-549,129	11,209	-1,845	10,330	-674	1,135		
12/31/2010	965,547	1,372,322	1,337,457	1,158,384	113,348	-68,973	4,257	3,889	11,087	1,051			
12/31/2011	658,181	1,266,990	1,172,688	561,981	344,696	150,863	12,076	29,708	36,473				
12/31/2012	936,001	1,842,498	926,764	512,277	435,409	123,419	44,234	75,086					
12/31/2013	1,094,023	1,323,339	1,061,101	662,606	432,191	291,568	145,330						
12/31/2014	708,874	821,705	549,981	299,383	153,105	34,610							
12/31/2015	462,942	794,218	755,213	263,090	87,221								
12/31/2016	717,748	1,010,558	261,280	415,978									
12/31/2017	995,055	1,062,290	1,064,530										
12/31/2018	330,925	937,390											
12/31/2019	1,871,362												

	Incremental Percentages												
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>	<u>159:147</u>	<u>171:159</u>
12/31/2001	0.0664	0.0618	0.0421	0.0365	0.0278	0.0494	0.0054	0.0092	0.0222	0.0064	0.0016	0.0000	0.0015
12/31/2002	0.0482	0.0810	0.0435	0.0608	0.0194	0.0057	0.0082	0.0034	0.0007	0.0056	0.0031	0.0034	-0.0003
12/31/2003	0.0446	0.0539	0.0534	0.0326	0.0212	0.0091	-0.0014	0.0006	0.0022	0.0047	-0.0013	0.0000	-0.0001
12/31/2004	0.0587	0.0814	0.0548	0.0456	0.0191	0.0120	0.0123	0.0009	-0.0001	0.0001	-0.0002	0.0000	-0.0003
12/31/2005	0.0559	0.0688	0.0489	0.0412	-0.0076	0.0069	-0.0006	-0.0007	-0.0016	0.0000	0.0000	0.0026	0.0000
12/31/2006	0.0791	0.0865	0.1053	0.0757	0.0277	0.0127	-0.0025	0.0029	-0.0004	0.0000	0.0000	0.0000	0.0000
12/31/2007	0.0424	0.1036	0.0459	0.0618	0.0221	0.0193	-0.0139	0.0033	-0.0004	0.0002	-0.0001	0.0004	0.0001
12/31/2008	0.0550	0.0916	0.0622	0.0245	0.0052	0.0034	0.0009	0.0000	-0.0001	0.0000	0.0000	0.0000	
12/31/2009	0.0604	0.0885	0.0557	0.0406	0.0587	-0.0436	0.0009	-0.0001	0.0008	-0.0001	0.0001		
12/31/2010	0.0646	0.0919	0.0895	0.0775	0.0076	-0.0046	0.0003	0.0003	0.0007	0.0001			
12/31/2011	0.0482	0.0928	0.0859	0.0412	0.0253	0.0111	0.0009	0.0022	0.0027				
12/31/2012	0.0783	0.1541	0.0775	0.0429	0.0364	0.0103	0.0037	0.0063					
12/31/2013	0.0983	0.1189	0.0954	0.0595	0.0388	0.0262	0.0131						
12/31/2014	0.0662	0.0767	0.0514	0.0280	0.0143	0.0032							
12/31/2015	0.0426	0.0731	0.0695	0.0242	0.0080								
12/31/2016	0.0629	0.0886	0.0229	0.0365									
12/31/2017	0.0688	0.0734	0.0736										
12/31/2018	0.0347	0.0982											
12/31/2019	0.1381												

Best 3/5	0.0581	0.0796	0.0648	0.0358	0.0253	0.0082	0.0018	0.0008	0.0005	0.0000	0.0000	0.0001	0.0000
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Local Products (Subline Code 336)
 Full Coverage
 Multistate
 Bodily Injury - Occurrence
 Incurred Accident Year Incremental ALAE Development

	Link Ratios						
A.Y.E	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>Ult:243</u>
12/31/2001	1.007	1.006	1.006	1.009	0.999	1.009	1.004
12/31/2002	1.002	1.003	1.002	1.000	1.000	1.001	1.004
12/31/2003	1.012	0.998	0.999	1.000	1.001	1.001	1.004
12/31/2004	1.000	1.000	1.000	1.001	1.001	1.001	1.004
12/31/2005	1.000	1.001	1.001	1.001	1.001	1.001	1.004
12/31/2006	1.000						
Best 3/5	1.001	1.001	1.001	1.001	1.001	1.001	1.004
171 to Ultimate Factor:			1.010				

	Cumulative Incremental Factors						
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.275	0.217	0.137	0.073	0.037	0.011	0.003
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.001	0.001	0.000	0.000	0.000	0.000	0.000

	Reported	\$500,000					
A.Y.E	ALAE as of	Ultimate	ALAE	Additional	ALAE at	171-Ultimate	Ultimate
	<u>3/31/2021</u>	<u>Indemnity</u>	<u>Factor</u>	<u>ALAE</u>	<u>171 Months</u>	<u>Factor</u>	<u>ALAE</u>
12/31/2018	2,071,920	9,884,781	0.137	1,357,180	3,429,100	1.010	3,463,391
12/31/2019	2,517,493	13,224,597	0.217	2,868,415	5,385,908	1.010	5,439,767
12/31/2020	514,346	9,357,697	0.275	2,573,367	3,087,713	1.010	3,118,590

Bold - Calculated Using Modified Bondy Method

Local Products (Subline Code 336)
 Full Coverage
 Multistate
 Property Damage - Occurrence
 Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/2001	1,592,860	1,597,199	1,737,732	1,690,682	1,681,289	1,758,546	1,920,196	2,093,397	2,104,195	2,156,851	2,164,997
12/31/2002	1,472,673	1,694,278	1,819,003	1,838,645	1,778,709	1,802,483	1,861,231	1,884,170	1,934,789	1,944,911	2,012,796
12/31/2003	1,253,460	1,803,588	2,044,920	2,059,131	2,260,776	2,269,368	2,301,177	2,301,847	2,316,619	2,358,120	2,366,975
12/31/2004	2,109,668	2,210,766	2,238,026	2,243,550	2,301,111	2,277,677	2,229,367	2,260,827	2,281,134	2,284,384	2,277,584
12/31/2005	2,786,493	3,039,401	3,227,095	3,289,649	3,338,926	3,224,776	3,241,236	3,287,182	3,293,341	3,284,562	3,283,340
12/31/2006	2,889,218	3,259,528	3,306,883	3,459,688	3,478,076	3,630,651	3,640,676	3,815,159	3,862,032	3,927,958	3,942,958
12/31/2007	2,726,424	2,586,857	2,596,824	2,994,186	3,270,105	3,239,408	3,454,653	3,432,254	3,424,514	3,397,725	3,406,437
12/31/2008	3,271,365	3,521,307	3,437,631	3,595,105	3,797,295	4,039,344	4,295,300	4,575,038	4,817,180	4,873,872	4,841,370
12/31/2009	3,401,672	3,553,586	3,551,508	3,608,321	3,571,793	3,798,270	3,786,550	3,872,172	3,919,672	3,949,763	3,983,524
12/31/2010	4,372,489	4,511,725	4,778,304	4,754,114	4,357,754	4,599,972	4,568,936	4,503,896	4,522,915	4,453,773	4,463,461
12/31/2011	4,116,392	4,327,505	4,630,185	4,574,977	4,682,787	4,732,854	4,689,955	4,766,672	4,776,090	4,785,609	
12/31/2012	3,826,706	3,862,687	3,743,528	3,661,355	3,818,719	3,835,951	3,867,566	3,908,321	3,857,818		
12/31/2013	3,447,028	3,466,423	4,018,282	3,882,067	3,908,055	3,987,695	4,004,783	3,979,783			
12/31/2014	3,253,297	3,557,714	3,462,660	3,563,501	3,552,575	3,616,569	3,593,069				
12/31/2015	4,429,545	4,617,731	5,350,006	5,370,123	5,322,025	5,438,583					
12/31/2016	4,244,676	4,278,361	4,630,900	4,768,001	4,720,219						
12/31/2017	4,142,942	4,292,664	4,567,592	4,430,938							
12/31/2018	4,794,221	4,581,023	4,499,677								
12/31/2019	4,718,099	4,818,384									
12/31/2020	5,690,901										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2001	2,152,386	2,109,715	2,115,209	2,116,388	2,128,395	2,128,395	2,128,394	2,128,394	2,128,394
12/31/2002	1,994,692	2,060,334	2,067,209	2,075,809	2,093,102	2,091,852	2,091,852	2,091,852	
12/31/2003	2,405,309	2,387,595	2,373,845	2,396,340	2,396,340	2,396,340	2,396,340		
12/31/2004	2,257,584	2,264,584	2,377,076	2,362,076	2,462,076	2,387,076			
12/31/2005	3,283,740	3,269,499	3,269,499	3,369,499	3,387,499				
12/31/2006	3,996,090	3,950,114	4,043,622	4,062,765					
12/31/2007	3,404,272	3,416,772	3,416,770						
12/31/2008	4,889,697	4,794,311							
12/31/2009	3,895,092								

Local Products (Subline Code 336)
 Full Coverage
 Multistate
 Property Damage - Occurrence
 Incurred Accident Year Basic Limits Loss Development Excluding ALAE

Link Ratios											
<u>A.Y.E.</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/2001	1.003	1.088	0.973	0.994	1.046	1.092	1.090	1.005	1.025	1.004	0.994
12/31/2002	1.150	1.074	1.011	0.967	1.013	1.033	1.012	1.027	1.005	1.035	0.991
12/31/2003	1.439	1.134	1.007	1.098	1.004	1.014	1.000	1.006	1.018	1.004	1.016
12/31/2004	1.048	1.012	1.002	1.026	0.990	0.979	1.014	1.009	1.001	0.997	0.991
12/31/2005	1.091	1.062	1.019	1.015	0.966	1.005	1.014	1.002	0.997	1.000	1.000
12/31/2006	1.128	1.015	1.046	1.005	1.044	1.003	1.048	1.012	1.017	1.004	1.013
12/31/2007	0.949	1.004	1.153	1.092	0.991	1.066	0.994	0.998	0.992	1.003	0.999
12/31/2008	1.076	0.976	1.046	1.056	1.064	1.063	1.065	1.053	1.012	0.993	1.010
12/31/2009	1.045	0.999	1.016	0.990	1.063	0.997	1.023	1.012	1.008	1.009	0.978
12/31/2010	1.032	1.059	0.995	0.917	1.056	0.993	0.986	1.004	0.985	1.002	
12/31/2011	1.051	1.070	0.988	1.024	1.011	0.991	1.016	1.002	1.002		
12/31/2012	1.009	0.969	0.978	1.043	1.005	1.008	1.011	0.987			
12/31/2013	1.006	1.159	0.966	1.007	1.020	1.004	0.994				
12/31/2014	1.094	0.973	1.029	0.997	1.018	0.994					
12/31/2015	1.042	1.159	1.004	0.991	1.022						
12/31/2016	1.008	1.082	1.030	0.990							
12/31/2017	1.036	1.064	0.970								
12/31/2018	0.956	0.982									
12/31/2019	1.021										
3 Yr Mean	1.004	1.043	1.001	0.993	1.020	1.002	1.007	0.998	0.998	1.001	0.996
Best 3/5	1.022	1.043	1.001	0.998	1.016	0.997	1.007	1.006	1.001	1.003	1.003
<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>				
12/31/2001	0.980	1.003	1.001	1.006	1.000	1.000	1.000	1.000			
12/31/2002	1.033	1.003	1.004	1.008	0.999	1.000	1.000	1.000			
12/31/2003	0.993	0.994	1.009	1.000	1.000	1.000	1.000	1.000			
12/31/2004	1.003	1.050	0.994	1.042	0.970	1.000	1.000	1.000			
12/31/2005	0.996	1.000	1.031	1.005	1.006	1.000	1.000	1.000			
12/31/2006	0.988	1.024	1.005								
12/31/2007	1.004	1.000									
12/31/2008	0.980										
3 Yr Mean	0.991	1.008	1.010	1.016	0.990	1.000	1.000	1.000			
Best 3/5	0.996	1.008	1.006	1.006	1.000	1.000	1.000	1.000			
Development From											
<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2016					1.016	0.997	1.007	1.006	1.001	1.003	1.003
12/31/2017				0.998	1.016	0.997	1.007	1.006	1.001	1.003	1.003
12/31/2018			1.001	0.998	1.016	0.997	1.007	1.006	1.001	1.003	1.003
12/31/2019		1.043	1.001	0.998	1.016	0.997	1.007	1.006	1.001	1.003	1.003
12/31/2020	1.022	1.043	1.001	0.998	1.016	0.997	1.007	1.006	1.001	1.003	1.003
<u>A.Y.E</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>	
12/31/2016	0.996	1.008	1.006	1.006	1.000	1.000	1.000	1.000	1.000		1.050
12/31/2017	0.996	1.008	1.006	1.006	1.000	1.000	1.000	1.000	1.000		1.048
12/31/2018	0.996	1.008	1.006	1.006	1.000	1.000	1.000	1.000	1.000		1.049
12/31/2019	0.996	1.008	1.006	1.006	1.000	1.000	1.000	1.000	1.000		1.094
12/31/2020	0.996	1.008	1.006	1.006	1.000	1.000	1.000	1.000	1.000		1.118

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Local Products (Subline Code 336)
Deductible
Multistate
Property Damage - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

\$100,000 Basic Limit Losses as of :											
A.Y.E.	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2001	196,950	171,777	171,776	186,006	186,006	176,908	225,908	230,908	225,909	227,908	325,908
12/31/2002	96,798	103,314	131,370	153,722	200,722	270,722	270,722	270,722	270,722	270,722	270,722
12/31/2003	240,651	185,667	160,024	174,025	181,024	158,026	172,903	199,404	190,310	225,461	213,954
12/31/2004	246,668	129,314	132,294	179,776	245,076	305,375	295,344	391,079	422,580	387,579	387,579
12/31/2005	162,608	228,326	212,716	267,850	270,050	310,851	314,208	323,814	354,504	774,045	898,913
12/31/2006	274,664	229,162	294,191	287,481	304,475	340,486	340,484	332,531	345,548	423,863	405,576
12/31/2007	229,278	441,042	467,990	409,124	378,557	362,557	366,057	463,057	463,057	463,057	463,057
12/31/2008	294,367	208,042	336,788	335,305	346,805	343,795	443,795	443,795	437,296	457,296	527,296
12/31/2009	177,301	176,935	144,535	143,435	142,195	249,008	250,198	350,198	350,198	350,198	350,198
12/31/2010	261,555	263,224	260,679	264,775	358,775	358,775	358,775	358,775	358,775	358,775	358,775
12/31/2011	279,718	308,639	282,138	296,138	274,227	284,227	276,227	276,227	286,227	276,477	
12/31/2012	218,667	225,556	232,721	240,618	226,978	251,978	256,992	260,027	260,027		
12/31/2013	362,731	391,760	385,395	549,395	552,495	602,495	607,496	602,495			
12/31/2014	279,766	411,762	396,630	500,830	475,830	516,830	516,830				
12/31/2015	637,381	580,572	568,948	590,847	591,559	627,918					
12/31/2016	876,519	1,011,714	1,042,797	1,098,637	1,216,637						
12/31/2017	788,977	981,934	1,073,603	1,029,001							
12/31/2018	1,166,853	1,485,841	1,545,488								
12/31/2019	1,134,910	1,326,454									
12/31/2020	1,036,106										

A.Y.E.	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2001	325,909	325,908	325,908	325,908	325,908	325,908	325,908	325,908	325,908
12/31/2002	270,723	270,871	270,870	270,870	270,870	283,370	283,370	283,370	
12/31/2003	254,454	245,453	242,703	242,703	235,902	235,902	223,402		
12/31/2004	403,580	403,579	403,579	403,579	403,579	403,579			
12/31/2005	892,186	901,187	864,839	865,589	865,339				
12/31/2006	424,443	380,306	380,205	378,587					
12/31/2007	463,057	463,057	463,057						
12/31/2008	527,296	527,296							
12/31/2009	353,198								

Local Products (Subline Code 336)
Deductible
Multistate
Property Damage - Occurrence
Incurred Accident Year Basic Limits Loss Development Excluding ALAE

	Link Ratios										
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/2001	0.872	1.000	1.083	1.000	0.951	1.277	1.022	0.978	1.009	1.430	1.000
12/31/2002	1.067	1.272	1.170	1.306	1.349	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	0.772	0.862	1.087	1.040	0.873	1.094	1.153	0.954	1.185	0.949	1.189
12/31/2004	0.524	1.023	1.359	1.363	1.246	0.967	1.324	1.081	0.917	1.000	1.041
12/31/2005	1.404	0.932	1.259	1.008	1.151	1.011	1.031	1.095	2.183	1.161	0.993
12/31/2006	0.834	1.284	0.977	1.059	1.118	1.000	0.977	1.039	1.227	0.957	1.047
12/31/2007	1.924	1.061	0.874	0.925	0.958	1.010	1.265	1.000	1.000	1.000	1.000
12/31/2008	0.707	1.619	0.996	1.034	0.991	1.291	1.000	0.985	1.046	1.153	1.000
12/31/2009	0.998	0.817	0.992	0.991	1.751	1.005	1.400	1.000	1.000	1.000	1.009
12/31/2010	1.006	0.990	1.016	1.355	1.000	1.000	1.000	1.000	1.000	1.000	
12/31/2011	1.103	0.914	1.050	0.926	1.036	0.972	1.000	1.036	0.966		
12/31/2012	1.032	1.032	1.034	0.943	1.110	1.020	1.012	1.000			
12/31/2013	1.080	0.984	1.426	1.006	1.090	1.008	0.992				
12/31/2014	1.472	0.963	1.263	0.950	1.086	1.000					
12/31/2015	0.911	0.980	1.038	1.001	1.061						
12/31/2016	1.154	1.031	1.054	1.107							
12/31/2017	1.245	1.093	0.958								
12/31/2018	1.273	1.040									
12/31/2019	1.169										

3 Yr Mean	1.229	1.055	1.017	1.019	1.079	1.009	1.001	1.012	0.989	1.051	1.003
Best 3/5	1.189	1.017	1.118	0.986	1.079	1.003	1.004	1.000	1.000	1.000	1.003

A.Y.E.	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2002	1.001	1.000	1.000	1.000	1.046	1.000	1.000	1.000			
12/31/2003	0.965	0.989	1.000	0.972	1.000	0.947	1.000	1.000			
12/31/2004	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2005	1.010	0.960	1.001	1.000	1.000	1.000	1.000	1.000			
12/31/2006	0.896	1.000	0.996								
12/31/2007	1.000	1.000									
12/31/2008	1.000										
3 Yr Mean	0.965	0.987	0.999	0.991	1.015	0.982	1.000	1.000			
Best 3/5	1.000	0.996	1.000	1.000	1.000	1.000	1.000	1.000			

	Development From										
A.Y.E.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2016					1.079	1.003	1.004	1.000	1.000	1.000	1.003
12/31/2017				0.986	1.079	1.003	1.004	1.000	1.000	1.000	1.003
12/31/2018			1.118	0.986	1.079	1.003	1.004	1.000	1.000	1.000	1.003
12/31/2019		1.017	1.118	0.986	1.079	1.003	1.004	1.000	1.000	1.000	1.003
12/31/2020	1.189	1.017	1.118	0.986	1.079	1.003	1.004	1.000	1.000	1.000	1.003

A.Y.E	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	FACTORS	
12/31/2016	1.000	0.996	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.085
12/31/2017	1.000	0.996	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.070
12/31/2018	1.000	0.996	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.197
12/31/2019	1.000	0.996	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.217
12/31/2020	1.000	0.996	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.447

Bold - Calculated Using Modified Bondy Method

Italics - Three year mean Excludes Modified Bondy ratios

Local Products (Subline Code 336)
 Full Coverage
 Multistate
 Property Damage - Occurrence
 Incurred Accident Year ALAE Development

Allocated Expenses as of:											
A.Y.E.	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2001	193,203	270,228	408,142	578,656	710,300	947,844	1,367,992	1,679,953	1,629,259	1,832,502	1,948,421
12/31/2002	172,994	297,692	436,931	715,080	785,722	870,809	922,712	891,204	891,208	1,089,879	1,284,616
12/31/2003	55,696	660,257	924,821	1,040,414	1,169,016	1,197,287	1,203,244	1,280,844	1,316,682	1,407,856	1,485,615
12/31/2004	159,786	298,247	421,614	580,050	662,541	776,128	780,488	797,162	828,421	836,602	861,605
12/31/2005	254,314	331,874	590,609	703,027	742,246	830,701	895,666	1,019,374	1,013,889	1,013,199	1,017,508
12/31/2006	139,337	322,142	539,444	865,083	1,155,830	1,496,293	1,566,801	1,878,458	1,926,334	2,008,534	1,988,250
12/31/2007	378,170	779,928	981,115	1,427,086	1,792,987	2,295,585	2,480,873	2,844,118	3,038,315	3,269,836	3,044,512
12/31/2008	346,594	835,131	1,100,626	1,382,937	2,157,180	4,313,412	6,760,389	8,143,634	8,124,377	7,528,389	7,030,420
12/31/2009	604,146	925,587	1,150,741	1,184,616	1,320,493	1,385,101	1,693,432	1,862,145	1,907,982	1,910,327	1,941,604
12/31/2010	220,566	412,570	732,995	1,091,391	1,197,544	1,366,567	1,557,785	1,709,727	1,735,025	2,021,454	2,065,636
12/31/2011	393,767	739,725	1,085,454	1,477,145	1,796,602	1,807,355	1,834,947	1,955,088	2,065,970	2,097,756	
12/31/2012	240,987	528,077	884,681	1,009,766	1,197,912	1,376,827	1,478,197	1,575,373	1,579,333		
12/31/2013	360,815	525,596	751,432	967,496	1,190,645	1,383,487	1,540,322	1,929,796			
12/31/2014	194,770	509,570	699,538	867,338	1,060,533	1,075,478	1,079,008				
12/31/2015	402,328	826,866	1,200,916	1,476,846	1,642,027	1,770,074					
12/31/2016	307,027	591,994	898,223	1,447,671	1,553,199						
12/31/2017	425,270	719,502	2,001,783	2,511,859							
12/31/2018	445,005	793,371	2,169,022								
12/31/2019	314,583	609,325									
12/31/2020	421,011										

A.Y.E.	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2001	2,060,004	2,147,196	2,175,066	2,264,677	2,491,166	2,491,166	2,491,166	2,497,416	2,497,416
12/31/2002	1,376,507	1,649,129	1,807,971	1,838,958	1,838,683	1,838,683	1,851,183		
12/31/2003	1,545,895	1,565,162	1,588,444	1,632,385	1,632,385	1,615,757	1,615,757		
12/31/2004	856,624	863,566	893,294	893,294	908,294	893,294			
12/31/2005	1,194,509	1,070,341	1,081,933	1,374,307	1,325,161				
12/31/2006	2,142,375	2,183,113	2,116,761	2,123,437					
12/31/2007	3,045,356	2,886,033	2,983,012						
12/31/2008	6,396,987	5,923,278							
12/31/2009	1,926,143								

Local Products (Subline Code 336)
Full Coverage
Multistate
Property Damage - Occurrence
Incurred Accident Year Incremental ALAE Development

	Increments												
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>	<u>159:147</u>	<u>171:159</u>
12/31/2001	77,025	137,914	170,514	131,644	237,544	420,148	311,961	-50,694	203,243	115,919	111,583	87,192	27,870
12/31/2002	124,698	139,239	278,149	70,642	85,087	51,903	-31,508	4	198,671	194,737	91,891	272,622	158,842
12/31/2003	604,561	264,564	115,593	128,602	28,271	5,957	77,600	35,838	91,174	77,759	60,280	19,267	23,282
12/31/2004	138,461	123,367	158,436	82,491	113,587	4,360	16,674	31,259	8,181	25,003	-4,981	6,942	29,728
12/31/2005	77,560	258,735	112,418	39,219	88,455	64,965	123,708	-5,485	-690	4,309	177,001	-124,168	11,592
12/31/2006	182,805	217,302	325,639	290,747	340,463	70,508	311,657	47,876	82,200	-20,284	154,125	40,738	-66,352
12/31/2007	401,758	201,187	445,971	365,901	502,598	185,288	363,245	194,197	231,521	-225,324	844	-159,323	96,979
12/31/2008	488,537	265,495	282,311	774,243	2,156,232	2,446,977	1,383,245	-19,257	-595,988	-497,969	-633,433	-473,709	
12/31/2009	321,441	225,154	33,875	135,877	64,608	308,331	168,713	45,837	2,345	31,277	-15,461		
12/31/2010	192,004	320,425	358,396	106,153	169,023	191,218	151,942	25,298	286,429	44,182			
12/31/2011	345,958	345,729	391,691	319,457	10,753	27,592	120,141	110,882	31,786				
12/31/2012	287,090	356,604	125,085	188,146	178,915	101,370	97,176	3,960					
12/31/2013	164,781	225,836	216,064	223,149	192,842	156,835	389,474						
12/31/2014	314,800	189,968	167,800	193,195	14,945	3,530							
12/31/2015	424,538	374,050	275,930	165,181	128,047								
12/31/2016	284,967	306,229	549,448	105,528									
12/31/2017	294,232	1,282,281	510,076										
12/31/2018	348,366	1,375,651											
12/31/2019	294,742												

	Incremental Percentages												
A.Y.E.	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>	<u>159:147</u>	<u>171:159</u>
12/31/2001	0.0261	0.0468	0.0579	0.0447	0.0806	0.1426	0.1059	-0.0172	0.0690	0.0393	0.0379	0.0296	0.0095
12/31/2002	0.0585	0.0653	0.1305	0.0331	0.0399	0.0243	-0.0148	0.0000	0.0932	0.0913	0.0431	0.1279	0.0745
12/31/2003	0.2378	0.1041	0.0455	0.0506	0.0111	0.0023	0.0305	0.0141	0.0359	0.0306	0.0237	0.0076	0.0092
12/31/2004	0.0527	0.0469	0.0603	0.0314	0.0432	0.0017	0.0063	0.0119	0.0031	0.0095	-0.0019	0.0026	0.0113
12/31/2005	0.0219	0.0729	0.0317	0.0110	0.0249	0.0183	0.0349	-0.0015	-0.0002	0.0012	0.0499	-0.0350	0.0033
12/31/2006	0.0377	0.0448	0.0671	0.0599	0.0702	0.0145	0.0642	0.0099	0.0169	-0.0042	0.0318	0.0084	-0.0137
12/31/2007	0.0803	0.0402	0.0891	0.0731	0.1005	0.0370	0.0726	0.0388	0.0463	-0.0450	0.0002	-0.0318	0.0194
12/31/2008	0.0906	0.0492	0.0524	0.1436	0.4000	0.4539	0.2566	-0.0036	-0.1106	-0.0924	-0.1175	-0.0879	
12/31/2009	0.0776	0.0544	0.0082	0.0328	0.0156	0.0745	0.0408	0.0111	0.0006	0.0076	-0.0037		
12/31/2010	0.0392	0.0654	0.0731	0.0217	0.0345	0.0390	0.0310	0.0052	0.0584	0.0090			
12/31/2011	0.0655	0.0654	0.0741	0.0604	0.0020	0.0052	0.0227	0.0210	0.0060				
12/31/2012	0.0650	0.0807	0.0283	0.0426	0.0405	0.0230	0.0220	0.0009					
12/31/2013	0.0358	0.0490	0.0469	0.0484	0.0419	0.0340	0.0845						
12/31/2014	0.0645	0.0389	0.0344	0.0396	0.0031	0.0007							
12/31/2015	0.0569	0.0501	0.0370	0.0221	0.0172								
12/31/2016	0.0541	0.0582	0.1043	0.0200									
12/31/2017	0.0490	0.2134	0.0849										
12/31/2018	0.0615	0.2430											
12/31/2019	0.0461												

Best 3/5	0.0533	0.1072	0.0563	0.0348	0.0203	0.0207	0.0315	0.0057	0.0176	-0.0139	0.0094	-0.0214	0.0079
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Local Products (Subline Code 336)
 Full Coverage
 Multistate
 Property Damage - Occurrence
 Incurred Accident Year Incremental ALAE Development

Link Ratios							
<u>A.Y.E</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>Ult:243</u>
12/31/2001	1.041	1.100	1.000	1.000	1.003	1.000	1.000
12/31/2002	1.017	1.000	1.000	1.007	1.000	1.000	1.000
12/31/2003	1.028	1.000	0.990	1.000	1.000	1.000	1.000
12/31/2004	1.000	1.017	0.983	0.997	1.000	1.000	1.000
12/31/2005	1.270	0.964	1.002	0.997	1.000	1.000	1.000
12/31/2006	1.003						
Best 3/5	1.016	1.006	0.997	0.999	1.000	1.000	1.000
171 to Ultimate Factor:			1.018				
Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.329	0.276	0.169	0.113	0.078	0.058	0.037
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.005	0.000	-0.018	-0.004	-0.014	0.008	0.000

Reported		\$500,000					
<u>A.Y.E</u>	<u>ALAE as of</u>	<u>Ultimate</u>	<u>ALAE</u>	<u>Additional</u>	<u>ALAE at</u>	<u>171-Ultimate</u>	<u>Ultimate</u>
	<u>3/31/2021</u>	<u>Indemnity</u>	<u>Factor</u>	<u>ALAE</u>	<u>171 Months</u>	<u>Factor</u>	<u>ALAE</u>
12/31/2018	2,404,887	6,735,599	0.169	1,137,643	3,542,530	1.018	3,606,295
12/31/2019	771,019	7,830,386	0.276	2,161,970	2,932,989	1.018	2,985,782
12/31/2020	575,519	8,782,043	0.329	2,892,805	3,468,324	1.018	3,530,754

Bold - Calculated Using Modified Bondy Method

EXHIBIT C20

LOCAL PRODUCTS / COMPLETED OPERATIONS TREND SUMMARY

(1) <u>EXPOSURE TREND</u>	<u>LOCAL PRODUCTS</u>	<u>COMPLETED OPERATIONS</u>	LOCAL PRODUCTS / COMPLETED OPERATIONS
			<u>COMBINED</u>
Average Annual Percent Change			
a) 7/1/2018 to 7/1/2023 AYE 12/31/2018	+ 2.0%	+ 2.9%	+ 2.8%
b) 7/1/2019 to 7/1/2023 AYE 12/31/2019	+ 2.2%	+ 2.9%	+ 2.8%
c) 7/1/2020 to 7/1/2023 AYE 12/31/2020	+ 3.1%	+ 3.0%	+ 3.0%
(2) <u>OCCURRENCE SEVERITY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>	
a) Fitted			
All Years	+ 6.7%	+ 4.1%	
Eight Years	+ 8.9%	+ 2.8%	
Six Years	+ 8.5%	+ 1.7%	
b) Selected	+ 5.5%	+ 4.0%	
(3) <u>FREQUENCY TREND</u>			
Selected	- 0.5%		

NOTE: The BI deductible trend is equal to the bodily injury trend. The PD deductible trend is equal to the property damage trend.

LOCAL PRODUCTS / COMPLETED OPERATIONS
AVERAGE ANNUAL EXPOSURE TRENDS
FOR ACCIDENT YEARS ENDING 12/31/2018, 12/31/2019 & 12/31/2020

(1)		(2)		(3)		(1)		(2)		(3)	
YEAR		LOCAL PRODUCTS		COMPLETED OPERATIONS		YEAR		LOCAL PRODUCTS		COMPLETED OPERATIONS	
ENDING		CLASS GROUP		CLASS GROUP		ENDING		CLASS GROUP		CLASS GROUP	
SALES EXPOSURE		SALES EXPOSURE		PAYROLL EXPOSURE		SALES EXPOSURE		SALES EXPOSURE		PAYROLL EXPOSURE	
QUARTER *		INDICES		INDICES		QUARTER *		INDICES		INDICES	
2010	1	0.964		22.806		2017	1	1.032		26.160	
	2	0.962		22.928			2	1.034		26.326	
	3	0.962		23.080			3	1.037		26.527	
	4	0.965		23.208			4	1.040		26.716	
2011	1	0.969		23.312		2018	1	1.042		26.955	
	2	0.974		23.427			2	1.046		27.203	
	3	0.979		23.556			3	1.050		27.440	
	4	0.982		23.638			4	1.054		27.728	
2012	1	0.987		23.715		2019	1	1.058		27.950	
	2	0.990		23.794			2	1.061		28.185	
	3	0.995		23.873			3	1.063		28.361	
	4	1.000		23.965			4	1.065		28.515	
2013	1	1.004		24.062		2020	1	1.066		28.703	
	2	1.007		24.140			2	1.060		28.830	
	3	1.008		24.167			3	1.059		29.003	
	4	1.010		24.208			4	1.059		29.191	
2014	1	1.012		24.299		2021	1	1.063		29.378	
	2	1.016		24.405			2	1.079		29.713	
	3	1.019		24.538			3P	1.094		30.086	
	4	1.022		24.663			4P	1.108		30.424	
2015	1	1.023		24.759		2022	1P	1.121		30.737	
	2	1.026		24.909			2P	1.130		30.931	
	3	1.027		25.013			3P	1.136		31.064	
	4	1.029		25.172			4P	1.142		31.208	
2016	1	1.030		25.313		2023	1P	1.148		31.375	
	2	1.030		25.480			2P	1.153		31.556	
	3	1.029		25.731			3P	1.158		31.742	
	4	1.030		25.938			4P	1.162		31.933	
CHANGE IN EXPOSURES				LOCAL PRODUCTS		COMPLETED OPERATIONS					
7/1/2018 to 7/1/2023		(2023:4/2018:4)		1.102		1.152					
7/1/2019 to 7/1/2023		(2023:4/2019:4)		1.091		1.120					
7/1/2020 to 7/1/2023		(2023:4/2020:4)		1.097		1.094					
AVERAGE ANNUAL TREND FACTOR											
7/1/2018 to 7/1/2023		(5.0 YEARS)		1.020		1.029					
7/1/2019 to 7/1/2023		(4.0 YEARS)		1.022		1.029					
7/1/2020 to 7/1/2023		(3.0 YEARS)		1.031		1.030					

* Projected values are identified by a 'P' in column (1).

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OCCURRENCE SEVERITY TREND
MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS
Calculation of Annual Trend Factor
Based on Average Occurrence Severity
Full Coverage Occurrence Data
Monoline and Multiline Combined
Bodily Injury

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Paid Occurrences	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2011	\$38,274,746	1,473	\$25,988	\$23,585		
12/31/2012	\$37,478,100	1,383	\$27,092	\$25,163		
12/31/2013	\$37,722,684	1,484	\$25,419	\$26,846	\$24,449	
12/31/2014	\$31,693,339	1,277	\$24,822	\$28,642	\$26,628	
12/31/2015	\$31,475,093	1,089	\$28,909	\$30,557	\$29,001	\$29,448
12/31/2016	\$31,698,582	944	\$33,563	\$32,601	\$31,585	\$31,943
12/31/2017	\$32,009,475	912	\$35,115	\$34,782	\$34,400	\$34,650
12/31/2018	\$31,256,504	843	\$37,084	\$37,109	\$37,465	\$37,585
12/31/2019	\$34,534,265	954	\$36,206	\$39,591	\$40,804	\$40,770
12/31/2020	\$29,629,729	614	\$48,283	\$42,239	\$44,440	\$44,224
Goodness of Fit Statistic, R-Squared:				0.839	0.889	0.804
Average Annual Severity Trend (10 yr)				+ 6.7%		
Average Annual Severity Trend (8 yr)				+ 8.9%		
Average Annual Severity Trend (6 yr)				+ 8.5%		
Selected Annual Severity Trend				+ 5.5%		

* Including basic indemnity and allocated loss adjustment expense developed separately to an ultimate settlement basis.

NOTE: Trends are based on reported paid full coverage data developed to ultimate using paid development factors (See Explanatory Pages C-11 to C-12 - Explanation of Trend Calculation).

OCCURRENCE SEVERITY TREND
MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS
Calculation of Annual Trend Factor
Based on Average Occurrence Severity
Full Coverage Occurrence Data
Monoline and Multiline Combined
Property Damage

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Paid Occurrences	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2011	\$135,648,102	5,195	\$26,113	\$28,040		
12/31/2012	\$127,399,301	4,508	\$28,263	\$29,195		
12/31/2013	\$118,816,238	3,845	\$30,899	\$30,397	\$32,204	
12/31/2014	\$116,222,788	3,520	\$33,022	\$31,649	\$33,104	
12/31/2015	\$121,674,475	3,458	\$35,188	\$32,953	\$34,029	\$35,247
12/31/2016	\$126,281,447	3,627	\$34,817	\$34,310	\$34,981	\$35,831
12/31/2017	\$129,113,911	3,501	\$36,876	\$35,724	\$35,958	\$36,424
12/31/2018	\$147,515,610	3,782	\$39,005	\$37,195	\$36,964	\$37,028
12/31/2019	\$152,435,218	4,123	\$36,974	\$38,727	\$37,997	\$37,642
12/31/2020	\$144,376,737	3,834	\$37,655	\$40,322	\$39,059	\$38,265
Goodness of Fit Statistic, R-Squared:				0.836	0.773	0.509
Average Annual Severity Trend (10 yr)				+ 4.1%		
Average Annual Severity Trend (8 yr)				+ 2.8%		
Average Annual Severity Trend (6 yr)				+ 1.7%		
Selected Annual Severity Trend				+ 4.0%		

* Including basic indemnity and allocated loss adjustment expense developed separately to an ultimate settlement basis.

NOTE: Trends are based on reported paid full coverage data developed to ultimate using paid development factors (See Explanatory Pages C-11 to C-12 - Explanation of Trend Calculation).

LOCAL PRODUCTS/COMPLETED OPERATIONS

FREQUENCY TREND
MULTISTATEManual Classes (Full and Deductible Coverage)
Monoline and Multiline Combined
CGL Policies OnlyBodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences at Ultimate ¹	(4) Occurrence Frequency <u>(3) / (2)²</u>
12/31/2007	\$ 403,918,008	8,420	20.85
12/31/2008	\$ 391,708,370	8,906	22.74
12/31/2009	\$ 374,753,781	8,932	23.84
12/31/2010	\$ 360,437,043	9,535	26.45
12/31/2011	\$ 358,565,633	8,896	24.81
12/31/2012	\$ 361,325,483	8,268	22.88
12/31/2013	\$ 374,839,259	8,078	21.55
12/31/2014	\$ 387,696,275	7,398	19.08
12/31/2015	\$ 401,491,335	7,118	17.73
12/31/2016	\$ 388,124,210	7,278	18.75
12/31/2017	\$ 401,175,492	6,902	17.21
12/31/2018	\$ 438,019,096	7,617	17.39
12/31/2019	\$ 440,495,015	8,053	18.28
12/31/2020	\$ 424,537,750	7,105	16.73

Selected Annual Frequency Trend: - 0.5%

¹ Occurrences are based on reported paid amounts developed to ultimate using paid development factors.² Frequency is per \$1,000,000 Aggregate Loss Costs at Current Level.

LOCAL PRODUCTS/COMPLETED OPERATIONS (SUBLINE CODE 336)

CLASS GROUPS AND DIFFERENTIALS

*Base Class

<u>CLASS GROUP 01</u>		45900	0.43	15538	0.29	98308	0.050
		49617	1.36	15600	1.68	98309	0.11
10100	0.52	57001	0.22	15608	0.18	98344	0.04
10145	0.11	<u>CLASS GROUP 02</u>		15839	0.48	98449	1.28
10146	0.16	10026	0.37	15991	1.31	98805	0.069
10352	0.53	10042	6.25	15993	0.82	98813	0.100
11039	0.63	10060	1.13	16403	2.84	98967	0.51
11258	1.79	10065	1.02	16676	0.26	99003	0.06
11259	1.79	10066	1.28	18078	2.59	99826	0.035
11288	0.71	10071	1.92	18109	0.54	99827	0.031
12374	0.59	10073	8.77	18110	0.58	99948	1.00 *
12375	0.41	10075	3.09	18206	1.98	99952	0.79
13673	0.14	10107	4.44	18335	0.29	99953	0.48
13720	0.52	10115	1.42	18506	0.110	99954	0.62
14401	0.92	10309	0.31	18507	0.14	99955	0.510
15224	0.61	11020	3.55	18708	0.40		
16900	0.74	11127	0.16	18834	2.04		
16901	1.00 *	11128	1.29	18911	0.33		
16902	0.55	11204	25.54	18912	0.54		
16905	0.64	11234	1.06	18920	0.34		
16906	0.91	12014	0.73	45819	1.23		
16910	0.47	12356	0.54	49618	0.94		
16911	0.46	12510	0.45	49619	2.19		
16915	0.45	12805	2.96	<u>CLASS GROUP 11</u>			
16916	0.53	13351	1.00 *	92053	0.034		
16920	1.03	13352	0.71	92054	0.013		
16921	0.41	13506	1.23	92055	0.013		
16930	1.28	13507	2.82	95124	0.066		
16931	0.54	13716	1.89	98303	0.30		
16940	0.41	13759	2.01	98304	0.18		
16941	0.73	14101	0.80	98305	0.09		
18435	0.58	14279	1.26	98306	0.049		
18436	1.25	14913	2.58	98307	0.03		
18501	0.13						

LOCAL PRODUCTS/COMPLETED OPERATIONS (SUBLINE CODE 336)

CLASS GROUPS AND DIFFERENTIALS

*Base Class

<u>CLASS GROUP 12</u>					
91111	0.37	96611	0.093	94404	2.32
91150	0.34	97447	0.34	95310	0.67
91155	1.73	97650	0.24	96408	6.77
91340	0.50	97651	0.29	96409	4.80
91341	0.26	97652	0.31	97221	0.70
91342	0.24	97653	0.20	97222	1.00 *
91343	0.097	97654	0.19	97223	1.58
91436	0.14	97655	0.28	98152	0.29
91507	0.20	98002	0.063	98157	0.19
91551	0.046	98482	0.41	98163	0.110
91555	0.065	98483	1.00 *	98164	0.038
91560	0.29	98502	0.24	98659	0.22
91577	0.21	98636	0.23	98914	0.30
91746	0.37	98677	0.66	98949	0.17
92101	0.20	98678	0.87	98993	2.04
92102	0.22	98806	0.23	99163	0.220
92215	0.20	98820	0.23	99803	4.76
92338	0.13	98884	0.14	99946	1.34
92446	0.12	99004	0.100	99969	1.42
92447	0.10	99080	0.47		
92451	0.15	99315	0.13		
92478	0.11	99321	0.15		
94007	0.32	99613	0.15		
94276	0.28	99650	0.067		
94569	0.26	99746	0.21		
95410	0.18				
95455	0.11	<u>CLASS GROUP 13</u>			
95505	0.14	91125	1.05		
95625	0.24	91127	0.66		
95647	0.37	91235	1.29		
96053	0.28	91265	1.88		
96410	0.55	91266	0.50		
		91280	1.49		
		94381	5.96		

LOCAL PRODUCTS/COMPLETED OPERATIONS CREDIBILITY-WEIGHTED DIFFERENTIAL REVIEW - 2022

LOCAL PRODUCTS										(1)
CLASS GROUP: 01		RETAIL STORES - FOOD OR DRUG				CLASS GROUP EXPERIENCE RATIO =				1.27
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	CURRENT	10 YEAR	10 YEAR		FORMULA	NORM.	INDICATED		SELECTED	SELECTED
	IMPLIED CLASS	MONO/MULTI	EXPERIENCE		EXPERIENCE	INDIC. CHG.	DIFF	INDICATED	CHANGE	CHANGE
CLASS	DIFFERENTIAL	ALCCL	RATIO	CREDIBILITY	RATIO @	TO DIFF #	(2) x (7)	CHANGE	CHANGE	DIFF
10100	0.494	1,447,426	1.60	0.2242	1.34	1.05	0.52	5%	5%	0.52
10145	0.104	920,986	1.47	0.1790	1.31	1.02	0.11	2%	6%	0.11
10146	0.168	97,147	0.55	0.0965	1.20	0.94	0.16	-6%	-5%	0.16
10352	0.557	277,285	0.72	0.1159	1.21	0.95	0.53	-5%	-5%	0.53
11039	0.608	4,173,616	1.40	0.3964	1.32	1.03	0.63	3%	4%	0.63
11258	1.585	199,562	2.96	0.1077	1.45	1.13	1.79	13%	13%	1.79
11259	1.277	3,752	0.00	0.0861	1.16	0.91	1.16	-9%	40%	1.79
11288	0.765	816,817	0.78	0.1694	1.19	0.93	0.71	-7%	-7%	0.71
12374	0.582	2,047,023	1.43	0.2700	1.31	1.02	0.59	2%	1%	0.59
12375	0.414	1,234,702	1.26	0.2065	1.27	0.99	0.41	-1%	-1%	0.41
13673	0.141	3,913,340	1.23	0.3833	1.25	0.98	0.14	-2%	-1%	0.14
13720	0.539	370,910	0.98	0.1257	1.23	0.96	0.52	-4%	-4%	0.52
14401	0.986	387,469	0.65	0.1274	1.19	0.93	0.92	-7%	-7%	0.92
15224	0.565	1,038,437	1.86	0.1895	1.38	1.08	0.61	8%	8%	0.61
16900	0.708	5,816,046	1.41	0.4676	1.34	1.05	0.74	5%	5%	0.74
16901 *	1.000	26,076,032	1.28	0.7831	1.28	1.00	1.00	0%	0%	1.00
16902	0.603	1,210,192	0.83	0.2044	1.18	0.92	0.55	-8%	-9%	0.55
16905	0.708	8,004	0.00	0.0866	1.16	0.91	0.64	-9%	-10%	0.64
16906	1.000	7,302	0.00	0.0865	1.16	0.91	0.91	-9%	-9%	0.91
16910	0.509	27,180,762	1.17	0.7899	1.19	0.93	0.47	-7%	-8%	0.47
16911	0.516	1,959,555	0.83	0.2637	1.15	0.90	0.46	-10%	-11%	0.46
16915	0.468	960,060	1.05	0.1825	1.23	0.96	0.45	-4%	-4%	0.45
16916	0.484	9,579,611	1.51	0.5809	1.41	1.10	0.53	10%	10%	0.53
16920	0.952	168,935	2.34	0.1044	1.38	1.08	1.03	8%	8%	1.03
16921	0.447	12,212	0.00	0.0871	1.16	0.91	0.41	-9%	-8%	0.41
16930	1.292	621,073	1.30	0.1508	1.27	0.99	1.28	-1%	-1%	1.28
16931	0.597	193,905	0.28	0.1071	1.16	0.91	0.54	-9%	-10%	0.54
16940	0.449	7,890	0.00	0.0866	1.16	0.91	0.41	-9%	-9%	0.41
16941	0.797	150,168	0.25	0.1023	1.17	0.91	0.73	-9%	-8%	0.73
18435	0.607	3,273,530	1.10	0.3487	1.21	0.95	0.58	-5%	-4%	0.58
18436	1.377	191,744	0.30	0.1068	1.17	0.91	1.25	-9%	-9%	1.25
18501	0.132	3,941,780	1.18	0.3848	1.24	0.97	0.13	-3%	-2%	0.13
45900	0.448	648,149	0.89	0.1534	1.21	0.95	0.43	-5%	-4%	0.43
49617	1.293	5,148,068	1.46	0.4408	1.35	1.05	1.36	5%	5%	1.36
57001	0.222	368,284	1.10	0.1254	1.25	0.98	0.22	-2%	-1%	0.22

* - Base class

@ - (5)x(4) + (100%-(5))x(1)

- (6) for class / (6) for base class

U - Upper cap

L - Lower cap

Note: Due to low data volume for class 11259, the class differential was selected to be the same as class 11258.

LOCAL PRODUCTS/COMPLETED OPERATIONS CREDIBILITY-WEIGHTED DIFFERENTIAL REVIEW - 2022

LOCAL PRODUCTS										(1)
CLASS GROUP: 02		RETAIL STORES - NOT FOOD OR DRUG				CLASS GROUP EXPERIENCE RATIO =				1.29
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	CURRENT	10 YEAR	10 YEAR		FORMULA	NORM.	INDICATED		SELECTED	
	IMPLIED CLASS	MONO/MULTI	EXPERIENCE		EXPERIENCE	INDIC. CHG.	DIFF	INDICATED	CHANGE	SELECTED
CLASS	DIFFERENTIAL	ALCCL	RATIO	CREDIBILITY	RATIO @	TO DIFF #	(2) x (7)	CHANGE	CHANGE	DIFF
10026	0.439	89,002	1.13	0.0800	1.28	0.84	0.37	-16%	-16%	0.37
10042	7.443	13,763,051	1.27	0.8013	1.27	0.84	6.25	-16%	-16%	6.25
10060	1.411	31,392	0.00	0.0657	1.21	0.80	1.13	-20%	-20%	1.13
10065	0.680	320,400	9.68	0.1332	2.41	1.59	1.08	59%	50%	1.02
10066	1.211	37,445	6.00	0.0672	1.61	1.06	1.28	6%	6%	1.28
10071	2.202	6,459,607	1.33	0.6581	1.32	0.87	1.92	-13%	-13%	1.92
10073	11.243	90,594,040	1.18	0.9632	1.18	0.78	8.77	-22%	-22%	8.77
10075	3.513	33,124	1.87	0.0661	1.33	0.88	3.09	-12%	-12%	3.09
10107	5.694	457,579	0.67	0.1620	1.19	0.78	4.44	-22%	-22%	4.44
10115	1.731	615,554	1.08	0.1928	1.25	0.82	1.42	-18%	-18%	1.42
10309	0.409	255,299	0.19	0.1189	1.16	0.76	0.31	-24%	-24%	0.31
11020	2.955	148,529	6.93	0.0943	1.82	1.20	3.55	20%	20%	3.55
11127	0.197	995,219	1.18	0.2584	1.26	0.83	0.16	-17%	-19%	0.16
11128	1.462	403,486	1.53	0.1508	1.33	0.88	1.29	-12%	-12%	1.29
11204	33.609	224,715	0.01	0.1119	1.15	0.76	25.54	-24%	-24%	25.54
11234	1.259	318,732	1.21	0.1328	1.28	0.84	1.06	-16%	-16%	1.06
12014	0.886	318,344	1.00	0.1328	1.25	0.82	0.73	-18%	-18%	0.73
12356	0.611	110,822	2.00	0.0853	1.35	0.89	0.54	-11%	-12%	0.54
12510	0.576	76,829	0.01	0.0770	1.19	0.78	0.45	-22%	-22%	0.45
12805	2.691	10,961,327	1.79	0.7633	1.67	1.10	2.96	10%	10%	2.96
13351	1.000	9,810,037	1.60	0.7430	1.52	1.00	1.00	0%	0%	1.00
13352	0.879	91,231	0.50	0.0805	1.23	0.81	0.71	-19%	-19%	0.71
13506	1.463	1,066,055	1.27	0.2694	1.28	0.84	1.23	-16%	-16%	1.23
13507	3.320	537,428	1.30	0.1778	1.29	0.85	2.82	-15%	-15%	2.82
13716	2.417	7,502,947	1.14	0.6900	1.19	0.78	1.89	-22%	-22%	1.89
13759	2.651	217,143	0.01	0.1102	1.15	0.76	2.01	-24%	-24%	2.01
14101	0.964	169,185	0.97	0.0991	1.26	0.83	0.80	-17%	-17%	0.80
14279	1.417	1,521,714	1.47	0.3335	1.35	0.89	1.26	-11%	-11%	1.26
14913	3.068	771,275	1.24	0.2210	1.28	0.84	2.58	-16%	-16%	2.58
15538	0.373	196,237	0.37	0.1054	1.19	0.78	0.29	-22%	-22%	0.29
15600	1.958	71,575	1.61	0.0757	1.31	0.86	1.68	-14%	-14%	1.68
15608	0.227	38,158	0.00	0.0674	1.20	0.79	0.18	-21%	-21%	0.18
15839	0.631	323,076	0.13	0.1338	1.13	0.74	0.47	-26%	-24%	0.48
15991	1.616	513,088	0.92	0.1731	1.23	0.81	1.31	-19%	-19%	1.31
15993	0.974	110,861	1.10	0.0853	1.27	0.84	0.82	-16%	-16%	0.82
16403	3.191	763,017	1.55	0.2196	1.35	0.89	2.84	-11%	-11%	2.84
16676	0.324	17,440	0.38	0.0621	1.23	0.81	0.26	-19%	-20%	0.26

* - Base class

@ - (5)x(4) + (100%-(5))x(1)

- (6) for class / (6) for base class

U - Upper cap

L - Lower cap

LOCAL PRODUCTS/COMPLETED OPERATIONS CREDIBILITY-WEIGHTED DIFFERENTIAL REVIEW - 2022

LOCAL PRODUCTS										(1)
CLASS GROUP: 02		RETAIL STORES - NOT FOOD OR DRUG								1.29
		CLASS GROUP EXPERIENCE RATIO =								
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	CURRENT	10 YEAR	10 YEAR		FORMULA	NORM.	INDICATED			
	IMPLIED CLASS	MONO/MULTI	EXPERIENCE		EXPERIENCE	INDIC. CHG.	DIFF	INDICATED	SELECTED	SELECTED
CLASS	DIFFERENTIAL	ALCCL	RATIO	CREDIBILITY	RATIO @	TO DIFF #	(2) x (7)	CHANGE	CHANGE	DIFF
18078	2.912	1,081,072	1.52	0.2717	1.35	0.89	2.59	-11%	-11%	2.59
18109	0.662	6,364	0.40	0.0593	1.24	0.82	0.54	-18%	-18%	0.54
18110	0.747	627,307	0.74	0.1950	1.18	0.78	0.58	-22%	-22%	0.58
18206	2.304	5,720,692	1.32	0.6312	1.31	0.86	1.98	-14%	-14%	1.98
18335	0.376	119,109	0.06	0.0873	1.18	0.78	0.29	-22%	-23%	0.29
18506	0.136	493	0.00	0.0578	1.22	0.80	0.11	-20%	-19%	0.11
18507	0.176	18,814	0.23	0.0625	1.22	0.80	0.14	-20%	-20%	0.14
18708	0.368	110,520	5.42	0.0852	1.64	1.08	0.40	8%	9%	0.40
18834	2.611	80,313	0.00	0.0778	1.19	0.78	2.04	-22%	-22%	2.04
18911	0.418	143,475	0.39	0.0931	1.21	0.80	0.33	-20%	-21%	0.33
18912	0.661	12,455	0.62	0.0609	1.25	0.82	0.54	-18%	-18%	0.54
18920	0.419	30,236	0.00	0.0654	1.21	0.80	0.34	-20%	-19%	0.34
45819	1.397	5,937,407	1.35	0.6396	1.33	0.88	1.23	-12%	-12%	1.23
49618	1.138	7,503	0.73	0.0596	1.26	0.83	0.94	-17%	-17%	0.94
49619	2.436	2,131,273	1.48	0.4034	1.37	0.90	2.19	-10%	-10%	2.19

* - Base class

@ - (5)x(4) + (100%-(5))x(1)

- (6) for class / (6) for base class

U - Upper cap

L - Lower cap

LOCAL PRODUCTS/COMPLETED OPERATIONS CREDIBILITY-WEIGHTED DIFFERENTIAL REVIEW - 2022

COMPLETED OPERATIONS

CLASS GROUP: 11

COMPLETED OPERATIONS - LOW

CLASS GROUP EXPERIENCE RATIO =

(1)

1.40

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	CURRENT	10 YEAR	10 YEAR		FORMULA	NORM.	INDICATED		SELECTED	SELECTED
	IMPLIED CLASS	MONO/MULTI	EXPERIENCE		EXPERIENCE	INDIC. CHG.	DIFF	INDICATED	CHANGE	CHANGE
CLASS	DIFFERENTIAL	ALCCL	RATIO	CREDIBILITY	RATIO @	TO DIFF #	(2) x (7)	CHANGE	CHANGE	DIFF
92053	0.025	-	0.00	-	1.40	1.36	0.034	36%	36%	0.034
92054	0.011	15	0.00	0.1250	1.23	1.19	0.013	19%	18%	0.013
92055	0.011	7,837	0.00	0.1266	1.22	1.18	0.013	18%	18%	0.013
95124	0.044	8,884,207	1.81	0.7162	1.69	1.64	0.072	64%	50%	U 0.066
98303	0.280	981,509	0.40	0.2887	1.11	1.08	0.30	8%	7%	0.30
98304	0.135	25,904,034	1.37	0.8763	1.37	1.33	0.18	33%	33%	0.18
98305	0.070	29,665,709	1.32	0.8900	1.33	1.29	0.09	29%	29%	0.09
98306	0.039	125,805	0.67	0.1501	1.29	1.25	0.049	25%	26%	0.049
98307	0.023	16,544	0.00	0.1284	1.22	1.18	0.027	18%	17%	0.027
98308	0.044	5,004,940	0.99	0.5974	1.16	1.13	0.05	13%	14%	0.05
98309	0.087	322,147	1.19	0.1864	1.36	1.32	0.11	32%	26%	0.11
98344	0.031	582,706	0.88	0.2302	1.28	1.24	0.038	24%	23%	0.038
98449	0.858	27,172,083	1.97	0.8813	1.90	1.84	1.58	84%	49%	U 1.28
98805	0.053	2,393,883	1.28	0.4396	1.35	1.31	0.069	31%	30%	0.069
98813	0.087	4,295,542	1.07	0.5641	1.21	1.17	0.10	17%	15%	0.10
98967	0.340	15,579,539	1.68	0.8119	1.63	1.58	0.54	58%	50%	U 0.51
99003	0.053	495,769	0.45	0.2161	1.19	1.16	0.061	16%	15%	0.061
99826	0.027	385,201	1.13	0.1975	1.35	1.31	0.035	31%	30%	0.035
99827	0.028	974,376	0.48	0.2877	1.14	1.11	0.031	11%	11%	0.031
99948	* 1.000	27,038,824	0.98	0.8808	1.03	1.00	1.00	0%	0%	1.00
99952	0.731	4,164,557	0.88	0.5573	1.11	1.08	0.79	8%	8%	0.79
99953	0.430	2,473,187	0.83	0.4462	1.15	1.12	0.48	12%	12%	0.48
99954	0.459	1,595,998	1.35	0.3633	1.38	1.34	0.62	34%	35%	0.62
99955	0.346	8,786,554	1.63	0.7141	1.56	1.51	0.52	51%	47%	U 0.51

* - Base class

@ - (5)x(4) + (100%-(5))x(1)

- (6) for class / (6) for base class

U - Upper cap

L - Lower cap

LOCAL PRODUCTS/COMPLETED OPERATIONS CREDIBILITY-WEIGHTED DIFFERENTIAL REVIEW - 2022

COMPLETED OPERATIONS

CLASS GROUP: 12

COMPLETED OPERATIONS - MEDIUM

CLASS GROUP EXPERIENCE RATIO =

(1)

1.16

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	CURRENT	10 YEAR	10 YEAR		FORMULA	NORM.	INDICATED			
	IMPLIED CLASS	MONO/MULTI	EXPERIENCE		EXPERIENCE	INDIC. CHG.	DIFF	INDICATED	SELECTED	SELECTED
CLASS	DIFFERENTIAL	ALCCL	RATIO	CREDIBILITY	RATIO @	TO DIFF #	(2) x (7)	CHANGE	CHANGE	DIFF
91111	0.359	33,911,899	1.05	0.6332	1.09	1.03	0.37	3%	3%	0.37
91150	0.307	11,444,475	1.23	0.3825	1.19	1.12	0.34	12%	11%	0.34
91155	1.730	49,854,479	1.02	0.7153	1.06	1.00	1.73	0%	0%	1.73
91340	0.459	235,397,961	1.17	0.9210	1.17	1.10	0.50	10%	9%	0.50
91341	0.245	100,505,663	1.14	0.8335	1.14	1.08	0.26	8%	6%	0.26
91342	0.202	109,826,539	1.25	0.8454	1.24	1.17	0.24	17%	19%	0.24
91343	0.091	4,333,898	1.04	0.2120	1.13	1.07	0.097	7%	7%	0.097
91436	0.135	2,745,359	1.00	0.1602	1.13	1.07	0.14	7%	4%	0.14
91507	0.194	424,401	0.32	0.0710	1.10	1.04	0.20	4%	3%	0.20
91551	0.042	8,891,558	1.16	0.3305	1.16	1.09	0.046	9%	10%	0.046
91555	0.065	1,830,694	0.35	0.1272	1.06	1.00	0.065	0%	0%	0.065
91560	0.234	132,042,419	1.34	0.8677	1.32	1.25	0.29	25%	24%	0.29
91577	0.181	17,739,212	1.28	0.4818	1.22	1.15	0.21	15%	16%	0.21
91746	0.305	30,482,258	1.36	0.6090	1.28	1.21	0.37	21%	21%	0.37
92101	0.181	5,081,564	1.17	0.2343	1.16	1.09	0.20	9%	10%	0.20
92102	0.185	6,403,054	1.44	0.2706	1.24	1.17	0.22	17%	19%	0.22
92215	0.177	95,255,137	1.23	0.8261	1.22	1.15	0.20	15%	13%	0.20
92338	0.106	44,217,141	1.38	0.6908	1.31	1.24	0.13	24%	23%	0.13
92446	0.120	3,450,122	0.62	0.1840	1.06	1.00	0.12	0%	0%	0.12
92447	0.095	445,287	0.39	0.0719	1.10	1.04	0.099	4%	4%	0.099
92451	0.146	28,643,227	1.07	0.5946	1.11	1.05	0.15	5%	3%	0.15
92478	0.105	183,522,268	1.06	0.9010	1.07	1.01	0.11	1%	5%	0.11
94007	0.276	89,044,557	1.25	0.8163	1.23	1.16	0.32	16%	16%	0.32
94276	0.267	16,826,989	1.04	0.4694	1.10	1.04	0.28	4%	5%	0.28
94569	0.234	29,067,832	1.23	0.5980	1.20	1.13	0.26	13%	11%	0.26
95410	0.164	67,050,859	1.20	0.7706	1.19	1.12	0.18	12%	10%	0.18
95455	0.092	7,098,355	1.36	0.2884	1.22	1.15	0.11	15%	20%	0.11
95505	0.126	1,004,195	1.52	0.0950	1.19	1.12	0.14	12%	11%	0.14
95625	0.212	14,221,852	1.30	0.4306	1.22	1.15	0.24	15%	13%	0.24
95647	0.367	310,872,443	1.08	0.9389	1.08	1.02	0.37	2%	1%	0.37
96053	0.248	4,683,757	1.25	0.2226	1.18	1.11	0.28	11%	13%	0.28
96410	0.495	18,551,443	1.20	0.4923	1.18	1.11	0.55	11%	11%	0.55
96611	0.089	2,973,837	0.84	0.1681	1.11	1.05	0.093	5%	4%	0.093
97447	0.273	79,138,832	1.38	0.7982	1.34	1.26	0.34	26%	25%	0.34
97650	0.217	4,123,944	1.15	0.2056	1.16	1.09	0.24	9%	11%	0.24

* - Base class

@ - (5)x(4) + (100%-(5))x(1)

- (6) for class / (6) for base class

U - Upper cap

L - Lower cap

LOCAL PRODUCTS/COMPLETED OPERATIONS CREDIBILITY-WEIGHTED DIFFERENTIAL REVIEW - 2022

COMPLETED OPERATIONS

CLASS GROUP: 12

COMPLETED OPERATIONS - MEDIUM

CLASS GROUP EXPERIENCE RATIO =

(1)

1.16

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	CURRENT	10 YEAR	10 YEAR		FORMULA	NORM.	INDICATED		SELECTED	SELECTED
	IMPLIED CLASS	MONO/MULTI	EXPERIENCE		EXPERIENCE	INDIC. CHG.	DIFF	INDICATED	CHANGE	CHANGE
CLASS	DIFFERENTIAL	ALCCL	RATIO	CREDIBILITY	RATIO @	TO DIFF #	(2) x (7)	CHANGE	CHANGE	DIFF
97651	0.248	2,540,651	1.59	0.1531	1.23	1.16	0.29	16%	17%	0.29
97652	0.238	549,585	6.55	0.0711	1.54	1.45	0.35	45%	30%	0.31
97653	0.179	7,043,146	1.15	0.2870	1.16	1.09	0.20	9%	12%	0.20
97654	0.192	1,074,971	0.24	0.0979	1.07	1.01	0.19	1%	-1%	0.19
97655	0.263	12,855,693	1.03	0.4079	1.11	1.05	0.28	5%	6%	0.28
98002	0.062	674,025	0.05	0.0815	1.07	1.01	0.063	1%	2%	0.063
98482	0.382	245,792,705	1.14	0.9240	1.14	1.08	0.41	8%	7%	0.41
98483	1.000	302,537,594	1.05	0.9374	1.06	1.00	1.00	0%	0%	1.00
98502	0.217	4,085,411	1.31	0.2044	1.19	1.12	0.24	12%	11%	0.24
98636	0.223	20,983,233	0.98	0.5214	1.07	1.01	0.23	1%	3%	0.23
98677	0.587	42,921,017	1.22	0.6846	1.20	1.13	0.66	13%	12%	0.66
98678	0.780	28,394,073	1.19	0.5926	1.18	1.11	0.87	11%	12%	0.87
98806	0.216	6,866,498	1.11	0.2826	1.15	1.08	0.23	8%	6%	0.23
98820	0.196	32,817,374	1.25	0.6258	1.22	1.15	0.23	15%	17%	0.23
98884	0.112	23,282,289	1.38	0.5460	1.28	1.21	0.14	21%	25%	0.14
99004	0.098	363,791	0.47	0.0685	1.11	1.05	0.10	5%	2%	0.10
99080	0.494	10,919,348	0.76	0.3725	1.01	0.95	0.47	-5%	-5%	0.47
99315	0.114	11,152,970	1.41	0.3770	1.25	1.18	0.13	18%	14%	0.13
99321	0.147	22,006,276	1.07	0.5327	1.11	1.05	0.15	5%	2%	0.15
99613	0.138	12,896,439	1.21	0.4086	1.18	1.11	0.15	11%	9%	0.15
99650	0.061	6,149,645	1.21	0.2639	1.17	1.10	0.067	10%	10%	0.067
99746	0.179	34,156,132	1.34	0.6348	1.27	1.20	0.21	20%	17%	0.21

* - Base class

@ - (5)x(4) + (100%-(5))x(1)

- (6) for class / (6) for base class

U - Upper cap

L - Lower cap

Note: A selected differential (0.31) was made for class 97652 to temper the impact of one large occurrence.

LOCAL PRODUCTS/COMPLETED OPERATIONS CREDIBILITY-WEIGHTED DIFFERENTIAL REVIEW - 2022

COMPLETED OPERATIONS

CLASS GROUP: 13

COMPLETED OPERATIONS - HIGH

CLASS GROUP EXPERIENCE RATIO =

(1)

0.99

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	CURRENT	10 YEAR	10 YEAR		FORMULA	NORM.	INDICATED		SELECTED	SELECTED
	IMPLIED CLASS	MONO/MULTI	EXPERIENCE		EXPERIENCE	INDIC. CHG.	DIFF	INDICATED	CHANGE	CHANGE
CLASS	DIFFERENTIAL	ALCCL	RATIO	CREDIBILITY	RATIO @	TO DIFF #	(2) x (7)	CHANGE	CHANGE	DIFF
91125	1.030	296,371	1.23	0.1434	1.02	1.02	1.05	2%	2%	1.05
91127	0.651	9,827,785	1.05	0.5753	1.02	1.02	0.66	2%	1%	0.66
91235	1.505	5,549,238	0.71	0.4510	0.86	0.86	1.29	-14%	-14%	1.29
91265	1.493	301,740	2.87	0.1438	1.26	1.26	1.88	26%	26%	1.88
91266	0.498	1,844,075	1.07	0.2648	1.01	1.01	0.50	1%	0%	0.50
91280	1.389	153,263	1.59	0.1301	1.07	1.07	1.49	7%	7%	1.49
94381	5.321	17,550,091	1.17	0.6984	1.12	1.12	5.96	12%	12%	5.96
94404	2.437	1,269,245	0.83	0.2239	0.95	0.95	2.32	-5%	-5%	2.32
95310	0.673	3,462,626	1.02	0.3597	1.00	1.00	0.67	0%	0%	0.67
96408	5.503	12,109,419	1.37	0.6210	1.23	1.23	6.77	23%	23%	6.77
96409	4.797	22,963,132	1.00	0.7494	1.00	1.00	4.80	0%	0%	4.80
97221	0.630	8,827,922	1.20	0.5515	1.11	1.11	0.70	11%	11%	0.70
97222 *	1.000	40,640,901	1.00	0.8385	1.00	1.00	1.00	0%	0%	1.00
97223	1.932	37,269,441	0.79	0.8267	0.82	0.82	1.58	-18%	-18%	1.58
98152	0.294	5,694,225	0.94	0.4564	0.97	0.97	0.29	-3%	-1%	0.29
98157	0.207	882,606	0.60	0.1938	0.91	0.91	0.19	-9%	-8%	0.19
98163	0.123	17,367	0.00	0.1171	0.87	0.87	0.11	-13%	-11%	0.11
98164	0.044	58,032	0.00	0.1210	0.87	0.87	0.038	-13%	-14%	0.038
98659	0.249	1,511	0.00	0.1155	0.88	0.88	0.22	-12%	-12%	0.22
98914	0.341	2,898	0.00	0.1157	0.88	0.88	0.30	-12%	-12%	0.30
98949	0.197	35,790	0.00	0.1189	0.87	0.87	0.17	-13%	-14%	0.17
98993	2.405	16,067,872	0.78	0.6807	0.85	0.85	2.04	-15%	-15%	2.04
99163	0.250	15,300	0.00	0.1169	0.87	0.87	0.22	-13%	-12%	0.22
99803	5.294	527,899	0.42	0.1640	0.90	0.90	4.76	-10%	-10%	4.76
99946	1.313	29,690,813	1.03	0.7929	1.02	1.02	1.34	2%	2%	1.34
99969	1.393	8,685,978	1.05	0.5480	1.02	1.02	1.42	2%	2%	1.42

* - Base class

@ - (5)x(4) + (100%-(5))x(1)

- (6) for class / (6) for base class

U - Upper cap

L - Lower cap

MINNESOTA GL-2022-BGL1
BASIC LIMIT LOSS COST LEVEL
GENERAL LIABILITY OTHER THAN PROFESSIONAL
PREMISES/OPERATIONS & PRODUCTS/COMPLETED OPERATIONS
ACTUARIAL ANALYSIS SUPPLEMENT

PURPOSE This document provides discussion and analysis of pattern shifts in the data used to derive the advisory loss costs.

LOSS COST The statewide advisory loss cost level changes are:
LEVEL CHANGES

<u>SUBLINE</u>	<u>INDICATED</u>	<u>SELECTED</u>
M&C	-8.5%	-8.5%
OL&T	-2.2%	-2.2%
Premises/Operations	-5.6%	-5.6%
Products	-12.3%	-12.3%
Local Products/Completed Operations	-18.3%	-18.3%
Products/Completed Operations	-16.7%	-16.7%
GL Overall	-9.0%	-9.0%

INDICATED Indicated changes are based on standard ISO methodology. The selected changes are
VS. SELECTED equal to the indicated changes for all sublines.

HISTORICAL The sources of the data underlying this loss cost review are:
SOURCE DATA

ISO reporting companies' voluntary experience.
Fiscal- accident year data through year ended 9/30/2021 for Premises/Operations.
Calendar - accident year data through year ended 12/31/2020 for Products/Completed Operations.

Bodily Injury and Property Damage deductible data is included. Fringe losses (Coverage B) are also included.

Statistical plan data reported to ISO is first processed through a system of rigorous automated data verification processes so that only data that would be reliable is used for ratemaking. Subsequent to this initial data submission review, additional analyses involving an even more customized data review for this line was performed by staff. During these processes, various data records were excluded from the review, corrected or adjusted. Specifically, various reported exposure amounts have been adjusted prior to their use in the calculations. The ISO staff responsible for this loss cost review also reviewed the data for reasonableness.

CALL TO CALL COMPARISON

Manufacturers and Contractors

The Aggregate Loss Costs at Current Level (ALCCL) increased by an average of 13.3%, when the four years common to both this year's and last year's reviews are compared. This is primarily accounted for by the following changes since the prior review:

- A change in company mix which caused a 2.5% increase in ALCCL;
- Implemented loss cost level change (+1.0%);
- A change in exposure trend plus an additional year of trending (+9.0%);

The Basic Limit Experience Ratios (BLERs) decreased in 2019 (-11.0%) and 2020 (-20.3%). This is mainly due to favorable experience across several class groups.

Owners, Landlords and Tenants

The Aggregate Loss Costs at Current Level (ALCCL) increased by an average of 10.0%, when the four years common to both this year's and last year's reviews are compared. This is primarily accounted for by the following changes since the prior review:

- A change in company mix which caused an 6.7% increase in ALCCL;
- Implemented loss cost level change (+1.5%);
- A change in exposure trend plus an additional year of trending (+2.1%);
- The effect on ALCCL due to a change in average IPMFs (+0.1%).

The BLERs varied within reasonable limits.

Products

Multistate ALCCL increased by an average of 3.8% over the four common years in the latest call. This can be accounted for by the following changes since the prior review:

- A change in company mix which caused a 1.3% increase in ALCCL;
- Implemented an average loss cost level change of approximately -6.1% in most states;
- A change in exposure trend plus an additional year of trending of +6.6%;
- The effect on ALCCL due to a change in average IPMFs (+0.9%).

The BLERs changed due to the various effects listed above.

CALL TO CALL
COMPARISON
(Cont'd)

Local Products/
Completed Ops

Multistate ALCCL increased by an average of 21.3% over the four common years in the latest call. This can be accounted for by the following changes since the prior review:

- A change in the companies mix which caused a 4.1% increase in ALCCL;
- Implemented an average loss cost level change of approximately +9.3% in most states;
- A change in exposure trend plus an additional year of trending of +9.4%;
- The effect on ALCCL due to a change in average IPMFs (-0.1%).

The BLERs changed due to the various effects listed above.

LATEST CALL
YEAR TO YEAR
COMPARISON

Manufacturers and
Contractors

The ALCCL increased from 2017 to 2018 and then decreased thereafter.

The low BLERs for 2017 (0.847), 2020 (0.806) and 2021 (0.599) are attributable to favorable experience in several class groups.

Owners, Landlords
and Tenants

The ALCCL increased from 2017 to 2018 and then decreased thereafter.

The low BLER for 2021 (0.859) is attributable to favorable experience in several class groups. The high BLERs for 2017 (1.265) and 2019 (1.174) are attributable to unfavorable experience in several class groups.

Products

The ALCCL increased from 2016 to 2017, decreased in 2018, increased in 2019 and then decreased thereafter.

The BLER decreased from 2016 to 2020.

Local Products/
Completed Ops

The ALCCL increased steadily from 2016 to 2019 and then decreased thereafter.

The BLER decreased from 2016 to 2020.

LOSS
DEVELOPMENT
FACTOR
COMPARISON

Manufacturers and
Contractors

The BI indemnity loss development factors for the 2022 review remained stable compared to those in the 2021 review, except for the 15 months-to-ultimate factor which decreased by 11.8%. This can largely be attributed to a lower 15-to-27 months state link ratio. The PD indemnity loss development factors for the 2022 review remained stable compared to those in the 2021 review.

The multistate full coverage BI indemnity loss development factors for the 2022 review remained stable compared to those in the 2021 review. The multistate full coverage PD indemnity loss development factors for the 2022 review have decreased compared to those in the 2021 review.

The multistate deductible coverage BI indemnity loss development factors for the 2022 review have decreased compared to the 2021 review. The multistate deductible coverage PD indemnity loss development factors for the 2022 review remained stable compared to the 2021 review.

The multistate Fringe indemnity loss development factors for the 2022 review remained stable compared to the 2021 review.

Owners, Landlords
and Tenants

The BI and PD indemnity loss development factors for the 2022 review remained stable compared to those in the 2021 review.

The multistate full coverage BI indemnity loss development factors for the 2022 review have increased compared to those in the 2021 review. The multistate full coverage PD indemnity loss development factors for the 2022 review remained stable compared to those in the 2021 review.

The multistate deductible coverage BI indemnity loss development factors for the 2022 review have increased compared to those in the 2021 review. The multistate deductible coverage PD indemnity loss development factors for the 2022 review remained stable compared to those in the 2021 review.

The multistate Fringe indemnity loss development factors for the 2022 review have increased compared to the 2021 review.

LOSS
DEVELOPMENT
FACTOR
COMPARISON
(Cont'd)

Products

The multistate full coverage BI indemnity loss development factors for the 2022 review have increased compared to those in the 2021 review. The multistate full coverage PD indemnity loss development factors for the 2022 review remained stable compared to those in the 2021 review.

The multistate deductible coverage BI indemnity loss development factors for the 2022 review have decreased compared to the 2021 review. The multistate deductible coverage PD indemnity loss development factors for the 2022 review remained stable compared to those in the 2021 review, with a decrease in the 15 months-to-ultimate factor.

Local Products/
Completed Ops

For Local Products, the multistate full coverage BI indemnity loss development factors for the 2022 review have increased compared to those in the 2021 review. The multistate full coverage PD indemnity loss development factors for the 2022 review have decreased compared to those in the 2021 review. The multistate deductible coverage BI and PD indemnity loss development factors for the 2022 review remained stable compared to the 2021 review.

For Completed Operations, the full coverage BI indemnity loss development factors for the 2022 review remained stable compared to those in the 2021 review, except for the 15, 27 and 39 months-to-ultimate factors which increased by 14.4%, 12.0% and 26.7% respectively. This can largely be attributed to a higher 39-to-51 and 51-to-63 months state link ratios. The full coverage PD indemnity loss development factors for the 2022 review remained stable compared to those in the 2021 review.

The Completed Operations multistate full coverage BI and PD indemnity loss development factors for the 2022 review have increased compared to those in the 2021 review. The multistate deductible coverage BI indemnity loss development factors for the 2022 review have increased compared to those in the 2021 review. The multistate deductible coverage PD indemnity loss development factors for the 2022 review remained stable compared to those in the 2021 review.

One might expect PD loss development to be higher due to the Montrose decision in California. In response to the Montrose decision, ISO has introduced revised wording into the CGL policy to better define the concept of known loss. This revision represents neither a broadening nor a restriction in coverage from the original intent, however, it may result in the shifting of coverage, under certain circumstances, between an insured's current policy and past or future policies.

LOSS DEVELOPMENT FACTOR COMPARISON (Cont'd)	ALAE Development	<p>To develop ALAE losses for all sublines and loss types (BI, PD and Fringe), we are using an incremental method that is based on a percentage of the total limit indemnity losses developed to ultimate. Since this is a procedure that produces incremental factors instead of multiplicative factors, there is no appropriate factor comparison available to last year's review.</p> <p>One of the primary purposes of this procedure is to produce accurate and stable developed ALAE, especially for immature accident years.</p>
SEVERITY TREND COMPARISON	Manufacturers and Contractors	<p>The BI severity trend selection is +5.5%, up from +4.5% in the previous Fiscal review.</p> <p>The PD severity trend selection is +4.5%, unchanged from +4.5% in the previous Fiscal review.</p> <p>The Fringe severity trend selection is 0.0%, unchanged from 0.0% in the previous Fiscal review.</p>
	Owners, Landlords and Tenants	<p>The BI severity trend selection is +6.5%, up from +4.5% in the previous Fiscal review.</p> <p>The PD severity trend selection is +7.5%, up from +5.5% in the previous Fiscal review.</p> <p>The Fringe severity trend selection is 0.5%, up from 0.0% in the previous Fiscal review.</p>
	Products	<p>The BI severity trend selection is +3.0%, unchanged from +3.0% in the previous review.</p> <p>The PD severity trend selection is +4.5%, down from +5.5% in the previous review.</p>
	Local Products/ Completed Ops	<p>The BI severity trend selection is +5.5%, up from +5.0% in the previous review.</p> <p>The PD selected severity trend is +4.0%, down from +4.5% in the previous review.</p>

FREQUENCY
TREND
COMPARISON

We have selected a frequency trend of -0.5% for Manufacturers & Contractors, -0.5% for Owners, Landlords and Tenants, -1.5% for Products, and -0.5% for Local Products/Completed Operations. This is consistent with our conservative approach toward frequency trend selections. This conservatism reflects the difficulty of predicting turning points for cyclical and volatile data along with the amplifying effects that varying frequency trend selections have on indicated loss cost level changes.

Manufacturers and
Contractors

The latest frequency point is higher than the prior point.

Owners, Landlords
and Tenants

The latest frequency point is lower than the prior point.

Products

The latest frequency point is lower than the prior point.

Local Products/
Completed Ops

The latest frequency point is lower than the prior point.

EXPOSURE
TREND
COMPARISON

Manufacturers and
Contractors

The exposure trend factors for Manufacturers are higher than that used in the previous review for all three years. The exposure trend factors for Contractors are higher than that used in the previous review for all three years

Owners, Landlords
and Tenants

The exposure trend factors for Class Groups 1-13 are higher than those used in the previous review for all three years. For Class Group 16, the exposure trend factors are higher than that used in the previous review for all three years.

Products

The exposure trend factors are higher than that used in the previous review for all three years.

Local Products/
Completed Ops

The exposure trend factors for Local Products are higher than that used in the previous review for all three years. The exposure trend factors for Completed Operations are higher than that used in the previous review for all three years.

WEIGHTED AVERAGE IMPLICIT PACKAGE MODIFICATION FACTOR (IPMF) COMPARISON	Manufacturers and Contractors	The current weighted average IPMF is 1.087. In the 2021 review the weighted average IPMF was 1.087.
	Owners, Landlords and Tenants	The current weighted average IPMF is 0.969. In the 2021 review the weighted average IPMF was 0.966.
	Products	The current multistate weighted average IPMF is 0.878. In the 2021 review the multistate weighted average IPMF was 0.865.
	Local Products/ Completed Ops	The current multistate weighted average IPMF is 0.994. In the Group 4, 2021 review the multistate weighted average IPMF was 1.000.
The IPMF's are applied to the multiline ALCCL.		
CLASS GROUP/ TERRITORY/ STATE RELATIVE CHANGE	The class group relative changes for Manufacturers and Contractors vary within reasonable limits.	
	The class group and territory relative changes for Owners, Landlords and Tenants vary within reasonable limits.	
	For Local Products, Minnesota's state balanced relative change (0.902) ranks 51st highest overall. In last year's review, Minnesota's state balanced relative change (0.869) ranked 52nd highest overall.	
CHANGE IN COMPANY MIX SINCE LAST CALL	For Manufacturers and Contractors the change in company mix results in an average increase of 2.5% in the total statewide ALCCL.	
	For Owners, Landlords and Tenants, the change in company mix results in an average increase of 6.7% in the total statewide ALCCL.	
	For Products, the change in company mix results in a 1.3% increase in the total multistate ALCCL.	
	For Local Products/Completed Operations, the change in company mix results in a 4.1% increase in the total multistate ALCCL.	

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501						Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999					
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
10010	.042	.167	10150	.183	(a)	11204	.116	1.39	13111	.29	.08
10011	.01	(a)	10151	4.62	—	11205	(a)	—	13112	.028	.054
10012	.012	(a)	10160	.82	—	11206	.57	—	13201	.48	.123
10015	3.71	—	10204	.083	—	11207	7.15	—	13204	.54	.86
10020	(a)	(a)	10205	.093	—	11208	1.22	—	13205	.209	.34
10025	.01	(a)	10210	.149	(a)	11209	5.75	—	13206	(a)	(a)
10026	.239	.02	10211	.149	(a)	11210	2.45	—	13207	(a)	(a)
10027	.01	(a)	10220	1.75	—	11211	12.70	—	13208	(a)	(a)
10036	.36	(a)	10255	.132	.14	11212	1.93	—	13314	.044	.012
10040	.032	.32	10256	.48	.198	11213	1.57	—	13351	.108	.054
10042	.137	.34	10257	.091	.146	11214	3.87	—	13352	.11	.039
10052	2.56	—	10309	.06	.017	11222	.065	—	13410	.76	1.66
10054	2.28	—	10315	.141	(a)	11234	.104	.058	13411	(a)	(a)
10060	.066	.066	10331	5.03	—	11248	.025	.013	13412	.26	1.19
10065	.098	.05	10332	8.67	—	11258	.31	.163	13453	.30	(a)
10066	.10	.07	10352	.152	.053	11259	.34	.128	13454	.35	(a)
10070	.024	.134	10367	3.28	—	11273	5.17	—	13455	.35	(a)
10071	.118	.105	10368	4.79	—	11274	4.96	—	13461	(a)	(a)
10072	3.71	—	10375	(a)	—	11288	.39	.071	13506	.34	.067
10073	.55	.48	10378	5.09	—	12014	.054	.04	13507	.41	.154
10075	4.11	.186	10379	2.36	—	12356	.44	.029	13590	.26	.61
10100	.26	.052	10380	4.04	—	12361	.033	.066	13621	.066	.34
10101	.089	.16	10381	3.50	—	12362	.027	(a)	13670	.018	.018
10105	.96	—	11007	1.39	—	12373	.01	.022	13673	.239	.014
10107	1.69	.242	11020	.112	.193	12374	.228	.059	13715	.027	.111
10110	12.60	—	11039	.48	.063	12375	.112	.041	13716	.168	.103
10111	.053	.059	11052	1.49	—	12391	.02	.059	13720	.135	.052
10113	.133	—	11101	(a)	(a)	12393	.149	(a)	13759	.066	.109
10115	.26	.077	11120	(a)	—	12467	.062	(a)	13930	.057	.147
10117	3.68	—	11126	.023	.023	12509	.033	.026	14068	.014	.01
10119	(a)	—	11127	.135	.009	12510	.42	.025	14101	.17	.044
10120	8.26	—	11128	.183	.07	12583	.186	(a)	14279	.25	.069
10130	1.31	—	11138	1.26	—	12651	.54	.45	14401	.32	.092
10132	1.13	—	11155	.079	—	12683	.248	(a)	14405	.82	—
10133	1.44	—	11160	(a)	(a)	12707	.175	.48	14527	.109	.169
10135	(a)	—	11167	.34	—	12797	.037	.177	14655	.033	—
10140	.015	.02	11168	1.79	—	12805	.12	.161	14731	1.48	—
10141	.03	.021	11201	12.20	—	12841	.199	—	14732	.11	—
10145	.146	.008	11202	3.61	—	12927	.035	—	14733	.23	—
10146	.117	.016	11203	.31	.38	13049	.017	.044	14734	.098	—

DIVISION SIX

PREM/OPS TERR. 501

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
14855	.116	.11	16670	2.09	—	18501	.25	.013	40072	(a)	—
14913	.124	.14	16676	.11	.014	18506	.232	.006	40075	29.10	—
15060	(a)	(a)	16694	.219	(a)	18507	.07	.008	40101	9.91	—
15061	(a)	(a)	16705	.085	.113	18570	.73	—	40102	8.76	—
15062	.104	(a)	16722	(a)	—	18575	(a)	(a)	40111	4.10	—
15063	.121	(a)	16723	(a)	—	18616	.177	.49	40115	(a)	—
15070	.11	—	16750	.039	.035	18707	.004	.006	40117	(a)	—
15119	(a)	—	16751	.039	—	18708	.042	.022	40140	(a)	—
15120	(a)	—	16819	.63	(a)	18833	.048	(a)	41001	.138	—
15123	1.43	—	16820	.49	(a)	18834	.11	.111	41210	(a)	—
15124	.50	—	16881	.60	(a)	18911	.35	.018	41421	.35	—
15188	.183	(a)	16890	.074	(a)	18912	.65	.029	41422	.187	—
15223	.022	.039	16891	.081	(a)	18920	.17	.019	41510	17.50	—
15224	.142	.061	16892	.147	(a)	18991	(a)	—	41603	16.60	—
15300	(a)	—	16900	1.30	.074	19007	.56	—	41604	9.10	—
15314	.079	(a)	16901	.83	.099	19051	1.24	—	41620	1.02	—
15404	.048	(a)	16902	.71	.055	19061	(a)	—	41650	23.30	—
15405	.07	(a)	16905	1.36	.064	19795	.114	(a)	41664	17.50	—
15406	.178	.056	16906	.87	.091	19796	.133	—	41665	2.05	—
15488	.44	(a)	16910	.78	.047	40005	(a)	—	41666	(a)	—
15538	.141	.016	16911	.71	.046	40006	(a)	—	41667	47.80	—
15600	.36	.091	16915	.80	.045	40010	(a)	—	41668	44.80	—
15607	.144	—	16916	.67	.053	40015	(a)	—	41669	.31	—
15608	.079	.01	16920	1.77	.102	40020	(a)	—	41670	.53	—
15656	2.34	—	16921	1.62	.041	40026	(a)	—	41672	(a)	—
15699	.35	—	16930	1.02	.127	40031	(a)	—	41673	(a)	—
15733	.116	.03	16931	1.10	.054	40032	(a)	—	41675	(a)	—
15839	.106	.026	16940	2.21	.041	40040	(a)	—	41677	.211	—
15991	.087	.071	16941	.88	.073	40041	(a)	—	41678	35.70	—
15993	.073	.045	18078	.048	.141	40042	(a)	—	41679	(a)	(a)
16005	.014	.03	18109	.145	.029	40045	116.00	—	41680	12.10	—
16009	.143	.111	18110	.116	.032	40046	22.80	—	41696	.67	—
16402	.53	—	18200	(a)	—	40047	8.15	—	41697	.46	—
16403	.33	.155	18205	.074	.39	40059	2.92	—	41700	(a)	—
16404	.42	—	18206	.187	.108	40061	1.55	—	41715	7.70	—
16471	.203	—	18335	.135	.016	40063	51.70	—	41716	4.90	—
16501	.03	(a)	18435	.28	.058	40064	15.20	—	43007	(a)	—
16527	.046	.27	18436	.223	.124	40066	(a)	—	43117	(a)	—
16588	.066	(a)	18437	.193	(a)	40067	(a)	—	43151	14.50	—
16604	.111	.10	18438	.37	(a)	40069	(a)	—	43152	10.70	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
43200	55.00	—	44112	.96	—	45771	.207	.131	47254	(a)	—
43215	(a)	—	44113	(a)	—	45819	.067	.067	47318	4.88	—
43421	15.10	—	44193	(a)	—	45900	.041	.043	47367	.211	—
43422	79.10	—	44194	(a)	—	45901	.035	.039	47420	1.07	—
43424	(a)	—	44222	(a)	—	45937	.124	—	47468	(a)	—
43470	3.89	—	44276	73.80	—	45993	(a)	(a)	47469	3.50	—
43517	(a)	—	44277	47.90	—	46004	22.20	—	47471	3.03	—
43518	7.51	—	44280	.211	—	46005	17.70	—	47473	3.97	—
43550	53.80	—	44311	3.87	—	46112	.039	—	47474	4.43	—
43551	29.80	—	44315	2.60	—	46202	2.88	—	47475	3.50	—
43626	6.00	—	44427	35.80	—	46362	125.00	—	47476	3.50	—
43628	77.90	—	44428	36.00	—	46426	18.20	—	47477	4.67	—
43629	66.00	—	44429	.54	—	46427	24.30	—	47478	4.90	—
43754	(a)	—	44430	.38	—	46510	(a)	—	47600	(a)	—
43760	2.20	—	44431	1.20	—	46590	(a)	—	47610	(a)	—
43822	3.09	—	44432	.38	—	46603	1.53	—	48039	39.00	—
43840	.038	—	44433	12.10	—	46604	1.76	—	48177	(a)	—
43860	2.43	—	44434	23.20	—	46606	4.70	—	48178	(a)	—
43889	.87	—	44435	24.00	—	46607	6.47	—	48206	15.90	—
43945	(a)	—	44436	28.00	—	46622	9.03	—	48252	(a)	—
43946	(a)	—	44437	23.20	—	46671	(a)	—	48441	.067	—
43990	(a)	(a)	44438	18.40	—	46700	111.00	—	48557	6.66	—
43991	(a)	—	44439	35.70	—	46773	(a)	—	48558	5.80	—
44009	1.75	—	44440	29.60	—	46822	(a)	—	48600	36.40	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	6.41	—	44501	(a)	—	46882	(a)	—	48636	.94	(a)
44070	1.90	—	45190	2.27	—	46911	11.90	—	48637	5.09	—
44071	2.11	—	45191	1.61	—	46912	21.70	—	48638	2.53	—
44072	1.46	—	45192	1.88	—	46913	(a)	—	48727	(a)	—
44100	2.87	—	45193	1.11	—	46914	(a)	—	48808	.60	—
44101	2.99	—	45210	1.40	—	46915	(a)	—	48924	(a)	—
44102	2.33	—	45224	(a)	—	46916	(a)	—	48925	122.00	—
44103	2.06	—	45225	(a)	—	47050	.84	—	49005	.144	—
44104	.87	—	45334	31.70	—	47051	(a)	—	49111	.92	—
44105	(a)	—	45380	.136	(a)	47052	(a)	—	49181	12.70	—
44106	(a)	—	45450	9.32	—	47103	(a)	—	49183	15.50	—
44108	1.02	—	45523	(a)	—	47146	(a)	—	49184	32.80	—
44109	2.57	—	45524	(a)	—	47147	(a)	—	49185	29.80	—
44110	2.63	—	45539	(a)	—	47221	121.00	—	49239	.102	.36
44111	1.61	—	45678	.228	—	47253	(a)	—	49292	.93	—

DIVISION SIX

PREM/OPS TERR. 501

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops
49305	(a)	—	51240	.26	.215	51702	.089	(a)	51986	.128	.082
49333	6.84	—	51241	.78	.24	51703	.037	(a)	51999	.054	.32
49451	(a)	—	51250	.149	(a)	51734	.069	.43	52002	.047	.104
49452	(a)	—	51251	.023	(a)	51741	.137	.26	52075	.11	.197
49617	.118	.162	51252	.079	.061	51752	.116	.141	52076	.132	(a)
49618	.099	.058	51253	.068	(a)	51767	.02	.007	52109	.012	(a)
49619	.186	.119	51254	.021	.025	51777	.068	.058	52134	.159	.56
49763	1.21	—	51255	.38	(a)	51790	.114	(a)	52137	.043	(a)
49800	(a)	—	51300	.094	.127	51796	.05	(a)	52150	.29	(a)
49801	107.00	—	51305	.094	.76	51808	.177	.53	52315	.089	.27
49802	9.48	—	51315	.066	.08	51809	.22	.173	52341	.027	(a)
49803	16.80	—	51330	.057	.82	51833	.103	.051	52342	.078	(a)
49840	.87	—	51333	.019	.28	51850	.139	(a)	52343	.048	(a)
49870	50.90	—	51340	.022	(a)	51851	.094	(a)	52401	.147	(a)
49890	(a)	—	51350	.159	.115	51852	.221	(a)	52402	.012	(a)
49891	(a)	—	51351	.142	.045	51853	.089	(a)	52432	.059	(a)
49902	(a)	—	51352	.195	.09	51854	.199	(a)	52433	.054	.65
49903	(a)	—	51355	.133	.082	51855	.209	(a)	52435	.068	(a)
50010	.128	.33	51356	.143	.47	51856	.115	(a)	52438	.049	(a)
50011	.052	(a)	51357	.094	.95	51857	.197	(a)	52440	.077	(a)
50012	.047	(a)	51358	.226	.111	51869	.059	.138	52467	.071	(a)
50015	.083	(a)	51359	.198	.62	51877	.33	.156	52469	.025	.085
50017	.063	(a)	51370	.26	2.69	51889	.054	.01	52505	.124	.195
50018	.048	(a)	51380	.026	.039	51896	.025	.017	52547	.128	.058
50019	.034	(a)	51400	.135	(a)	51900	.077	.098	52581	.61	1.80
50045	.145	(a)	51401	.198	(a)	51909	.126	.048	52619	.043	(a)
50047	.016	(a)	51500	.049	.145	51919	.055	(a)	52660	.075	—
51001	.032	.38	51516	.063	—	51926	.056	.041	52744	.39	.052
51005	.007	(a)	51517	.072	—	51927	.03	.10	52767	.117	(a)
51116	.082	.64	51550	.06	.42	51934	.061	.082	52876	(a)	(a)
51201	.022	(a)	51551	.021	.83	51941	.056	.034	52911	.034	.42
51205	.067	.046	51552	.036	.137	51942	.089	—	52967	.013	.052
51206	.01	.37	51553	.064	(a)	51956	.241	.14	53001	.124	.241
51210	.057	(a)	51554	.006	(a)	51957	.212	.37	53077	.06	.204
51211	(a)	(a)	51575	.042	.023	51958	.188	.31	53095	.041	(a)
51220	.194	1.48	51576	.116	.101	51959	.193	(a)	53096	.057	(a)
51221	.108	1.47	51600	.079	.194	51960	.025	.30	53121	.162	.46
51222	.131	4.76	51613	.052	.141	51970	.111	.138	53147	.02	(a)
51224	.137	1.17	51625	.03	(a)	51982	.033	.068	53229	.11	(a)
51230	.023	.64	51666	.067	.085	51985	.059	—	53271	.031	(a)

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501											
Products/Completed Operations (Prod/Cops)						(Subline Code 336) Entire State Territory 999					
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
53333	.109	.249	55715	.127	.169	56918	.044	(a)	58096	.113	1.35
53374	.104	.191	55716	.184	.41	56919	.112	(a)	58301	.035	.086
53375	.055	.31	55717	.148	(a)	56920	.102	(a)	58302	.031	.042
53376	.088	.159	55718	.144	(a)	56980	.063	(a)	58397	.177	.45
53377	.09	.172	55802	.068	.013	57001	.022	.022	58408	.05	—
53403	.057	(a)	55918	.073	1.76	57002	.014	.08	58409	.063	—
53425	.102	(a)	55919	.01	2.95	57090	.164	.83	58456	.034	—
53565	.066	.081	56040	.007	.028	57146	.104	.64	58457	.049	—
53631	.019	.019	56041	.045	(a)	57202	.056	(a)	58458	.063	—
53632	.022	.029	56042	.057	(a)	57257	.07	.042	58459	.076	—
53731	.02	(a)	56170	.101	(a)	57401	.039	.079	58503	.047	.08
53732	.135	.45	56171	.049	(a)	57403	.14	.03	58532	.061	(a)
53733	.088	.177	56202	.045	.063	57410	.019	.164	58559	.012	(a)
53734	.38	—	56390	.079	.64	57411	.025	(a)	58560	.03	(a)
53803	.244	(a)	56391	.068	.25	57572	.011	.094	58561	(a)	(a)
53901	(a)	(a)	56427	.109	.107	57600	.033	.03	58575	.039	.098
53902	(a)	(a)	56488	.114	.042	57611	.054	.044	58627	.124	.011
53903	(a)	(a)	56567	.104	(a)	57625	.29	(a)	58663	.231	.65
53904	(a)	(a)	56650	.32	(a)	57651	.036	.037	58682	.11	(a)
53905	(a)	(a)	56651	.173	(a)	57690	.07	.38	58713	.044	(a)
53907	.06	.078	56652	.124	(a)	57716	.033	.08	58737	.08	.49
53951	(a)	(a)	56653	.119	(a)	57725	.073	.083	58756	.043	(a)
53952	(a)	(a)	56654	.061	(a)	57726	.057	.025	58757	.27	(a)
53953	(a)	(a)	56690	.059	.31	57798	.018	(a)	58759	.033	(a)
54012	.038	—	56699	.05	.078	57800	.067	(a)	58802	.038	.39
54077	.081	.36	56758	.043	.123	57808	.028	(a)	58813	.106	(a)
54444	(a)	(a)	56759	.044	.07	57809	.029	(a)	58822	.104	(a)
55010	.246	.76	56760	.063	.087	57810	.028	.09	58837	.213	.155
55011	.066	2.01	56805	.083	(a)	57871	.033	.091	58840	.064	.11
55012	.079	.92	56806	.059	(a)	57913	.087	.206	58873	.101	.021
55013	.092	1.13	56807	.058	(a)	57997	.084	—	58903	.024	(a)
55014	(a)	(a)	56808	.076	(a)	57998	.039	.047	58904	.018	.108
55214	.064	.075	56900	.073	(a)	57999	.046	.065	58922	.169	.189
55371	.26	.096	56910	.036	(a)	58009	.046	(a)	59005	.045	.063
55410	(a)	(a)	56911	.09	(a)	58010	.09	(a)	59057	.34	(a)
55426	.112	(a)	56912	.073	.089	58020	.15	(a)	59058	.217	(a)
55597	.016	1.45	56913	.059	(a)	58056	.107	(a)	59188	.30	.047
55647	.032	.065	56915	.35	(a)	58057	.067	(a)	59189	.41	.25
55648	.015	(a)	56916	.32	.26	58058	.061	(a)	59223	.105	.128
55649	.017	(a)	56917	.092	(a)	58095	.085	1.22	59257	.012	.011

DIVISION SIX

PREM/OPS TERR. 501

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
59306	.077	(a)	59923	.009	.006	62003	9.64	—	91125	2.05	2.03
59378	.068	.124	59925	.203	1.15	63010	30.00	—	91127	.94	1.27
59481	.206	.096	59926	.173	.46	63011	37.50	—	91130	.88	—
59482	.31	(a)	59927	.116	1.10	63012	53.40	—	91135	.244	(a)
59537	.074	.219	59931	.159	.37	63013	50.50	—	91150	.89	5.68
59601	.078	1.80	59932	.171	.69	63215	31.90	—	91155	1.98	32.30
59647	.139	.141	59941	.053	(a)	63216	22.10	—	91160	.82	—
59660	.143	.83	59947	.047	.26	63217	23.20	—	91175	.71	—
59661	.07	(a)	59955	.02	.114	63218	7.82	—	91177	3.10	—
59693	.012	—	59963	.151	.32	63219	(a)	—	91179	3.11	—
59695	(a)	(a)	59964	.35	.059	63220	(a)	—	91190	1.67	(a)
59701	.006	.38	59970	.063	.147	64074	16.00	—	91200	.50	—
59713	.128	.30	59973	.098	(a)	64075	11.30	—	91210	(a)	—
59722	.066	.023	59975	.088	.13	64500	(a)	—	91235	1.09	2.49
59723	.025	.03	59977	.05	(a)	65007	19.40	—	91250	1.64	(a)
59724	.038	.016	59984	.027	.041	66122	8.34	—	91265	10.70	3.18
59725	.048	.126	59985	.105	(a)	66123	4.59	—	91266	5.66	.97
59726	.035	.023	59986	.08	(a)	66309	13.40	—	91280	(a)	2.92
59738	.11	.052	59988	.022	.05	66561	31.00	—	91302	8.30	(a)
59750	.055	.141	59989	.014	.037	67017	28.80	—	91315	2.52	—
59751	.02	(a)	60010	16.70	—	67508	28.00	—	91324	5.61	(a)
59773	.018	.023	60011	19.20	—	67509	20.50	—	91325	(a)	(a)
59774	.015	.127	60012	31.50	—	67510	11.40	—	91340	3.66	8.36
59775	.019	.156	60013	27.00	—	67511	12.40	—	91341	3.55	4.35
59781	.048	.065	60015	20.20	—	67512	53.00	—	91342	3.36	4.01
59782	.071	.62	60016	22.70	—	67513	33.60	—	91343	.78	1.62
59783	.069	(a)	60035	21.90	—	67634	24.90	—	91405	4.27	—
59784	.053	(a)	61000	16.50	—	67635	17.60	—	91436	4.02	2.34
59790	.085	(a)	61212	11.20	—	68001	53.80	—	91481	14.70	—
59798	.18	.33	61216	12.40	—	68439	69.20	—	91507	2.16	3.34
59806	.129	(a)	61217	11.30	—	68500	3.67	—	91523	33.30	—
59867	.096	(a)	61218	7.71	—	68604	1.30	—	91547	.19	—
59886	.013	.087	61223	54.80	—	68606	5.06	—	91551	1.18	.77
59889	.058	.192	61224	17.50	—	68607	4.00	—	91555	.66	1.09
59892	.069	(a)	61225	24.20	—	68702	3.29	—	91560	3.13	4.85
59904	.047	.088	61226	40.80	—	68703	2.47	—	91562	2.62	—
59905	.06	.112	61227	37.30	—	68706	10.60	—	91577	9.36	3.51
59914	.35	.65	62000	8.49	—	68707	10.50	—	91580	4.13	—
59915	.155	.53	62001	6.70	—	90089	3.40	—	91581	(a)	(a)
59917	.029	.222	62002	3.06	—	91111	1.40	6.18	91582	(a)	(a)

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
91583	(a)	(a)	94444	(a)	(a)	97223	1.09	3.05	98308	.90	1.19
91584	(a)	(a)	94569	2.31	4.35	97308	.44	—	98309	3.75	2.61
91585	(a)	(a)	94590	9.97	—	97447	1.44	5.68	98344	.57	.90
91586	(a)	(a)	94617	3.15	—	97501	(a)	—	98405	.94	—
91587	(a)	(a)	94638	(a)	—	97502	(a)	—	98413	11.30	(a)
91588	(a)	(a)	95124	1.16	1.57	97503	(a)	—	98414	10.40	(a)
91589	(a)	(a)	95233	2.49	—	97504	(a)	—	98415	1.36	(a)
91590	2.72	—	95305	2.70	—	97650	2.88	4.01	98423	3.25	(a)
91591	(a)	(a)	95306	3.44	—	97651	4.25	4.85	98424	5.51	(a)
91606	8.57	—	95310	6.46	1.29	97652	3.69	5.18	98425	2.26	(a)
91618	(a)	(a)	95357	.88	—	97653	2.46	3.34	98426	2.00	(a)
91629	1.75	(a)	95358	(a)	—	97654	4.30	3.18	98427	1.95	—
91636	3.00	—	95410	3.49	3.01	97655	3.28	4.68	98428	(a)	—
91641	.81	(a)	95455	3.63	1.84	98002	.59	1.05	98429	.78	—
91666	.73	(a)	95487	1.87	(a)	98003	.77	(a)	98430	(a)	—
91722	2.63	(a)	95505	1.69	2.34	98090	.104	—	98449	2.79	30.40
91746	2.62	6.18	95620	1.52	(a)	98091	.112	—	98482	2.99	6.85
91805	.164	—	95625	3.97	4.01	98092	.34	—	98483	4.42	16.70
92053	.40	.81	95630	(a)	(a)	98111	.28	—	98502	4.23	4.01
92054	.139	.28	95647	1.31	6.18	98150	(a)	—	98555	1.97	—
92055	3.88	.28	95648	(a)	(a)	98151	(a)	—	98597	.44	—
92101	6.07	3.34	96053	1.00	4.68	98152	2.00	.61	98598	.152	—
92102	3.65	3.68	96317	.91	—	98153	2.25	(a)	98601	5.07	(a)
92215	1.56	3.34	96408	3.02	13.10	98154	2.66	(a)	98622	(a)	—
92338	1.40	2.17	96409	2.79	9.27	98155	3.72	(a)	98623	(a)	—
92445	1.72	—	96410	2.45	9.19	98156	(a)	(a)	98624	.80	—
92446	4.61	2.01	96611	.84	1.55	98157	2.38	.37	98636	1.34	3.84
92447	4.03	1.65	96702	3.48	(a)	98158	(a)	(a)	98640	87.40	—
92451	1.09	2.51	96703	(a)	—	98159	1.59	(a)	98658	3.85	—
92453	2.55	—	96816	3.26	—	98160	3.38	(a)	98659	.69	.42
92478	1.26	1.84	96872	3.22	(a)	98161	3.78	(a)	98677	13.80	11.00
92593	14.30	—	96930	(a)	—	98162	(a)	(a)	98678	12.20	14.50
92663	.41	—	97002	(a)	(a)	98163	3.97	.212	98698	(a)	(a)
94007	8.66	5.35	97003	(a)	(a)	98164	.92	.073	98699	3.98	(a)
94099	1.97	—	97047	2.55	—	98257	1.16	—	98705	5.44	—
94225	6.94	—	97050	1.98	—	98303	7.47	7.13	98710	2.77	—
94276	3.61	4.68	97111	4.17	—	98304	4.31	4.28	98751	2.91	—
94304	1.39	(a)	97220	.234	(a)	98305	2.05	2.14	98805	3.61	1.64
94381	2.61	11.60	97221	(a)	1.35	98306	5.28	1.16	98806	1.25	3.84
94404	3.42	4.66	97222	.72	1.93	98307	1.36	.64	98810	2.89	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
98813	2.79	2.38	99620	.38	—						
98820	6.90	3.84	99650	.59	1.12						
98871	(a)	(a)	99709	1.46	(a)						
98884	1.79	2.34	99718	1.11	—						
98914	.47	.58	99746	1.88	3.51						
98949	.66	.33	99760	.215	—						
98967	2.82	12.10	99777	5.01	—						
98993	2.56	3.94	99793	2.39	—						
99003	1.34	1.45	99798	(a)	(a)						
99004	2.32	1.67	99803	(a)	9.19						
99080	.95	7.85	99826	.57	.83						
99081	(a)	—	99827	.34	.74						
99082	(a)	—	99851	1.39	—						
99083	(a)	—	99917	2.25	—						
99084	(a)	(a)	99938	2.53	—						
99085	(a)	(a)	99943	7.33	—						
99111	1.38	—	99946	5.46	2.59						
99160	(a)	—	99948	3.08	23.80						
99163	3.29	.42	99952	4.23	18.80						
99165	.72	(a)	99953	4.57	11.40						
99220	1.03	(a)	99954	3.33	13.80						
99221	(a)	(a)	99955	4.17	10.60						
99222	1.94	(a)	99963	.54	—						
99223	.202	(a)	99969	1.88	2.75						
99303	11.00	—	99975	3.70	—						
99310	2.75	(a)	99986	(a)	—						
99315	8.10	2.17	99987	(a)	—						
99321	7.86	2.51	99988	1.66	—						
99445	(a)	(a)									
99471	.47	—									
99505	2.16	—									
99506	2.66	—									
99507	2.32	—									
99570	1.25	(a)									
99571	.30	(a)									
99572	.59	(a)									
99573	.56	(a)									
99600	1.01	—									
99613	6.96	2.51									
99614	2.25	—									

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
10010	.097	.167	10150	.36	(a)	11204	.229	1.39	13111	.51	.08
10011	.023	(a)	10151	9.13	—	11205	(a)	—	13112	.03	.054
10012	.027	(a)	10160	1.63	—	11206	.39	—	13201	.45	.123
10015	3.93	—	10204	.164	—	11207	4.94	—	13204	.51	.86
10020	(a)	(a)	10205	.183	—	11208	.85	—	13205	.197	.34
10025	.023	(a)	10210	.29	(a)	11209	3.98	—	13206	(a)	(a)
10026	.47	.02	10211	.29	(a)	11210	1.69	—	13207	(a)	(a)
10027	.023	(a)	10220	3.45	—	11211	8.80	—	13208	(a)	(a)
10036	.34	(a)	10255	.124	.14	11212	1.33	—	13314	.088	.012
10040	.074	.32	10256	.46	.198	11213	1.09	—	13351	.214	.054
10042	.27	.34	10257	.086	.146	11214	2.67	—	13352	.218	.039
10052	2.72	—	10309	.118	.017	11222	.045	—	13410	.72	1.66
10054	2.41	—	10315	.28	(a)	11234	.206	.058	13411	(a)	(a)
10060	.13	.066	10331	5.33	—	11248	.024	.013	13412	.241	1.19
10065	.195	.05	10332	9.19	—	11258	.55	.163	13453	.28	(a)
10066	.199	.07	10352	.27	.053	11259	.59	.128	13454	.33	(a)
10070	.056	.134	10367	2.27	—	11273	10.20	—	13455	.33	(a)
10071	.233	.105	10368	3.31	—	11274	9.81	—	13461	(a)	(a)
10072	2.56	—	10375	(a)	—	11288	.67	.071	13506	.67	.067
10073	.52	.48	10378	5.39	—	12014	.051	.04	13507	.81	.154
10075	3.88	.186	10379	2.50	—	12356	.87	.029	13590	.246	.61
10100	.46	.052	10380	4.28	—	12361	.035	.066	13621	.062	.34
10101	.176	.16	10381	3.70	—	12362	.061	(a)	13670	.02	.018
10105	1.90	—	11007	.96	—	12373	.023	.022	13673	.42	.014
10107	1.60	.242	11020	.221	.193	12374	.45	.059	13715	.061	.111
10110	13.40	—	11039	.45	.063	12375	.221	.041	13716	.33	.103
10111	.122	.059	11052	2.45	—	12391	.046	.059	13720	.235	.052
10113	.26	—	11101	(a)	(a)	12393	.29	(a)	13759	.13	.109
10115	.52	.077	11120	(a)	—	12467	.122	(a)	13930	.13	.147
10117	3.90	—	11126	.046	.023	12509	.031	.026	14068	.029	.01
10119	(a)	—	11127	.31	.009	12510	.39	.025	14101	.34	.044
10120	8.75	—	11128	.42	.07	12583	.175	(a)	14279	.238	.069
10130	2.59	—	11138	1.33	—	12651	.51	.45	14401	.55	.092
10132	2.23	—	11155	.157	—	12683	.234	(a)	14405	.57	—
10133	2.36	—	11160	(a)	(a)	12707	.40	.48	14527	.249	.169
10135	(a)	—	11167	.56	—	12797	.085	.177	14655	.065	—
10140	.016	.02	11168	2.93	—	12805	.237	.161	14731	2.43	—
10141	.032	.021	11201	8.43	—	12841	.39	—	14732	.18	—
10145	.156	.008	11202	2.49	—	12927	.069	—	14733	.45	—
10146	.204	.016	11203	.72	.38	13049	.018	.044	14734	.195	—

DIVISION SIX

PREM/OPS TERR. 502

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502											
Products/Completed Operations (Prod/Cops)						(Subline Code 336) Entire State Territory 999					
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
14855	.109	.11	16670	2.21	—	18501	.44	.013	40072	(a)	—
14913	.244	.14	16676	.218	.014	18506	.219	.006	40075	21.90	—
15060	(a)	(a)	16694	.206	(a)	18507	.137	.008	40101	12.80	—
15061	(a)	(a)	16705	.195	.113	18570	1.44	—	40102	11.30	—
15062	.098	(a)	16722	(a)	—	18575	(a)	(a)	40111	4.34	—
15063	.114	(a)	16723	(a)	—	18616	.167	.49	40115	(a)	—
15070	.076	—	16750	.076	.035	18707	.009	.006	40117	(a)	—
15119	(a)	—	16751	.076	—	18708	.084	.022	40140	(a)	—
15120	(a)	—	16819	.59	(a)	18833	.11	(a)	41001	.147	—
15123	2.35	—	16820	.46	(a)	18834	.218	.111	41210	(a)	—
15124	.82	—	16881	1.20	(a)	18911	.69	.018	41421	.32	—
15188	.173	(a)	16890	.07	(a)	18912	1.29	.029	41422	.17	—
15223	.023	.039	16891	.076	(a)	18920	.34	.019	41510	34.60	—
15224	.248	.061	16892	.138	(a)	18991	(a)	—	41603	15.10	—
15300	(a)	—	16900	1.36	.074	19007	.92	—	41604	8.28	—
15314	.157	(a)	16901	.87	.099	19051	2.04	—	41620	.71	—
15404	.045	(a)	16902	.74	.055	19061	(a)	—	41650	21.20	—
15405	.066	(a)	16905	1.43	.064	19795	.225	(a)	41664	18.50	—
15406	.168	.056	16906	.91	.091	19796	.26	—	41665	2.17	—
15488	.42	(a)	16910	.82	.047	40005	(a)	—	41666	(a)	—
15538	.28	.016	16911	.74	.046	40006	(a)	—	41667	50.70	—
15600	.70	.091	16915	.84	.045	40010	(a)	—	41668	47.50	—
15607	.099	—	16916	.70	.053	40015	(a)	—	41669	.33	—
15608	.157	.01	16920	1.85	.102	40020	(a)	—	41670	.56	—
15656	4.62	—	16921	1.69	.041	40026	(a)	—	41672	(a)	—
15699	.245	—	16930	1.07	.127	40031	(a)	—	41673	(a)	—
15733	.109	.03	16931	1.15	.054	40032	(a)	—	41675	(a)	—
15839	.21	.026	16940	2.31	.041	40040	(a)	—	41677	.146	—
15991	.172	.071	16941	.93	.073	40041	(a)	—	41678	49.60	—
15993	.145	.045	18078	.111	.141	40042	(a)	—	41679	(a)	(a)
16005	.032	.03	18109	.29	.029	40045	122.00	—	41680	11.00	—
16009	.134	.111	18110	.229	.032	40046	24.20	—	41696	.46	—
16402	1.04	—	18200	(a)	—	40047	8.63	—	41697	.32	—
16403	.66	.155	18205	.171	.39	40059	3.09	—	41700	(a)	—
16404	.83	—	18206	.37	.108	40061	1.64	—	41715	7.00	—
16471	.14	—	18335	.27	.016	40063	54.80	—	41716	4.46	—
16501	.069	(a)	18435	.48	.058	40064	16.10	—	43007	(a)	—
16527	.105	.27	18436	.39	.124	40066	(a)	—	43117	(a)	—
16588	.062	(a)	18437	.38	(a)	40067	(a)	—	43151	10.90	—
16604	.104	.10	18438	.73	(a)	40069	(a)	—	43152	14.90	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
43200	41.40	—	44112	1.21	—	45771	.195	.131	47254	(a)	—
43215	(a)	—	44113	(a)	—	45819	.063	.067	47318	5.17	—
43421	11.40	—	44193	(a)	—	45900	.08	.043	47367	.146	—
43422	59.60	—	44194	(a)	—	45901	.069	.039	47420	1.13	—
43424	(a)	—	44222	(a)	—	45937	.094	—	47468	(a)	—
43470	2.69	—	44276	55.60	—	45993	(a)	(a)	47469	3.18	—
43517	(a)	—	44277	36.00	—	46004	20.20	—	47471	2.76	—
43518	7.95	—	44280	.146	—	46005	16.10	—	47473	3.61	—
43550	40.50	—	44311	4.10	—	46112	.05	—	47474	4.03	—
43551	22.50	—	44315	2.76	—	46202	1.68	—	47475	3.18	—
43626	6.35	—	44427	46.30	—	46362	173.00	—	47476	3.18	—
43628	82.60	—	44428	46.60	—	46426	25.30	—	47477	4.25	—
43629	70.00	—	44429	.70	—	46427	33.80	—	47478	4.46	—
43754	(a)	—	44430	.49	—	46510	(a)	—	47600	(a)	—
43760	2.33	—	44431	1.55	—	46590	(a)	—	47610	(a)	—
43822	2.14	—	44432	.49	—	46603	2.12	—	48039	29.40	—
43840	.026	—	44433	15.70	—	46604	2.45	—	48177	(a)	—
43860	1.68	—	44434	29.90	—	46606	6.53	—	48178	(a)	—
43889	.60	—	44435	31.00	—	46607	8.98	—	48206	16.80	—
43945	(a)	—	44436	36.20	—	46622	6.24	—	48252	(a)	—
43946	(a)	—	44437	30.00	—	46671	(a)	—	48441	.071	—
43990	(a)	(a)	44438	23.70	—	46700	83.30	—	48557	7.06	—
43991	(a)	—	44439	46.20	—	46773	(a)	—	48558	6.14	—
44009	2.86	—	44440	38.20	—	46822	(a)	—	48600	50.60	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	6.79	—	44501	(a)	—	46882	(a)	—	48636	.91	(a)
44070	2.01	—	45190	1.32	—	46911	12.60	—	48637	5.39	—
44071	2.24	—	45191	.94	—	46912	23.00	—	48638	2.68	—
44072	1.54	—	45192	1.10	—	46913	(a)	—	48727	(a)	—
44100	3.63	—	45193	.65	—	46914	(a)	—	48808	1.18	—
44101	3.78	—	45210	.82	—	46915	(a)	—	48924	(a)	—
44102	2.95	—	45224	(a)	—	46916	(a)	—	48925	129.00	—
44103	2.61	—	45225	(a)	—	47050	.58	—	49005	.099	—
44104	1.10	—	45334	23.90	—	47051	(a)	—	49111	1.81	—
44105	(a)	—	45380	.128	(a)	47052	(a)	—	49181	9.60	—
44106	(a)	—	45450	7.02	—	47103	(a)	—	49183	11.70	—
44108	1.28	—	45523	(a)	—	47146	(a)	—	49184	24.70	—
44109	3.25	—	45524	(a)	—	47147	(a)	—	49185	22.50	—
44110	3.32	—	45539	(a)	—	47221	91.40	—	49239	.096	.36
44111	2.04	—	45678	.158	—	47253	(a)	—	49292	.70	—

DIVISION SIX

PREM/OPS TERR. 502

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
49305	(a)	—	51240	.244	.215	51702	.086	(a)	51986	.119	.082
49333	5.15	—	51241	.73	.24	51703	.036	(a)	51999	.05	.32
49451	(a)	—	51250	.144	(a)	51734	.067	.43	52002	.044	.104
49452	(a)	—	51251	.021	(a)	51741	.127	.26	52075	.106	.197
49617	.193	.162	51252	.074	.061	51752	.107	.141	52076	.128	(a)
49618	.162	.058	51253	.063	(a)	51767	.017	.007	52109	.011	(a)
49619	.31	.119	51254	.02	.025	51777	.061	.058	52134	.147	.56
49763	1.98	—	51255	.37	(a)	51790	.101	(a)	52137	.042	(a)
49800	(a)	—	51300	.084	.127	51796	.046	(a)	52150	.27	(a)
49801	80.50	—	51305	.084	.76	51808	.165	.53	52315	.079	.27
49802	7.14	—	51315	.062	.08	51809	.205	.173	52341	.026	(a)
49803	12.60	—	51330	.056	.82	51833	.091	.051	52342	.075	(a)
49840	.60	—	51333	.018	.28	51850	.134	(a)	52343	.046	(a)
49870	54.00	—	51340	.02	(a)	51851	.091	(a)	52401	.142	(a)
49890	(a)	—	51350	.141	.115	51852	.213	(a)	52402	.011	(a)
49891	(a)	—	51351	.126	.045	51853	.086	(a)	52432	.055	(a)
49902	(a)	—	51352	.173	.09	51854	.193	(a)	52433	.05	.65
49903	(a)	—	51355	.118	.082	51855	.202	(a)	52435	.063	(a)
50010	.119	.33	51356	.127	.47	51856	.111	(a)	52438	.046	(a)
50011	.05	(a)	51357	.088	.95	51857	.19	(a)	52440	.072	(a)
50012	.044	(a)	51358	.213	.111	51869	.055	.138	52467	.066	(a)
50015	.077	(a)	51359	.187	.62	51877	.31	.156	52469	.023	.085
50017	.059	(a)	51370	.239	2.69	51889	.051	.01	52505	.115	.195
50018	.046	(a)	51380	.024	.039	51896	.024	.017	52547	.123	.058
50019	.031	(a)	51400	.13	(a)	51900	.068	.098	52581	.56	1.80
50045	.135	(a)	51401	.192	(a)	51909	.121	.048	52619	.039	(a)
50047	.015	(a)	51500	.045	.145	51919	.051	(a)	52660	.052	—
51001	.031	.38	51516	.044	—	51926	.052	.041	52744	.35	.052
51005	.006	(a)	51517	.05	—	51927	.028	.10	52767	.113	(a)
51116	.079	.64	51550	.056	.42	51934	.057	.082	52876	(a)	(a)
51201	.02	(a)	51551	.019	.83	51941	.052	.034	52911	.031	.42
51205	.062	.046	51552	.034	.137	51942	.083	—	52967	.012	.052
51206	.01	.37	51553	.06	(a)	51956	.223	.14	53001	.116	.241
51210	.055	(a)	51554	.006	(a)	51957	.197	.37	53077	.056	.204
51211	(a)	(a)	51575	.038	.023	51958	.175	.31	53095	.038	(a)
51220	.187	1.48	51576	.107	.101	51959	.179	(a)	53096	.053	(a)
51221	.104	1.47	51600	.073	.194	51960	.024	.30	53121	.151	.46
51222	.127	4.76	51613	.048	.141	51970	.103	.138	53147	.019	(a)
51224	.133	1.17	51625	.029	(a)	51982	.03	.068	53229	.107	(a)
51230	.023	.64	51666	.06	.085	51985	.041	—	53271	.028	(a)

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops
53333	.105	.249	55715	.118	.169	56918	.043	(a)	58096	.105	1.35
53374	.092	.191	55716	.171	.41	56919	.108	(a)	58301	.034	.086
53375	.049	.31	55717	.143	(a)	56920	.099	(a)	58302	.028	.042
53376	.078	.159	55718	.139	(a)	56980	.059	(a)	58397	.165	.45
53377	.08	.172	55802	.061	.013	57001	.02	.022	58408	.034	—
53403	.051	(a)	55918	.068	1.76	57002	.013	.08	58409	.044	—
53425	.099	(a)	55919	.009	2.95	57090	.159	.83	58456	.023	—
53565	.059	.081	56040	.006	.028	57146	.101	.64	58457	.034	—
53631	.017	.019	56041	.042	(a)	57202	.052	(a)	58458	.044	—
53632	.02	.029	56042	.053	(a)	57257	.065	.042	58459	.053	—
53731	.018	(a)	56170	.097	(a)	57401	.037	.079	58503	.044	.08
53732	.126	.45	56171	.048	(a)	57403	.124	.03	58532	.057	(a)
53733	.082	.177	56202	.042	.063	57410	.018	.164	58559	.012	(a)
53734	.26	—	56390	.074	.64	57411	.024	(a)	58560	.028	(a)
53803	.236	(a)	56391	.063	.25	57572	.01	.094	58561	(a)	(a)
53901	(a)	(a)	56427	.102	.107	57600	.031	.03	58575	.036	.098
53902	(a)	(a)	56488	.101	.042	57611	.052	.044	58627	.115	.011
53903	(a)	(a)	56567	.101	(a)	57625	.27	(a)	58663	.223	.65
53904	(a)	(a)	56650	.31	(a)	57651	.033	.037	58682	.103	(a)
53905	(a)	(a)	56651	.167	(a)	57690	.068	.38	58713	.039	(a)
53907	.055	.078	56652	.12	(a)	57716	.032	.08	58737	.074	.49
53951	(a)	(a)	56653	.115	(a)	57725	.07	.083	58756	.042	(a)
53952	(a)	(a)	56654	.059	(a)	57726	.055	.025	58757	.25	(a)
53953	(a)	(a)	56690	.052	.31	57798	.017	(a)	58759	.031	(a)
54012	.026	—	56699	.047	.078	57800	.063	(a)	58802	.035	.39
54077	.076	.36	56758	.04	.123	57808	.027	(a)	58813	.102	(a)
54444	(a)	(a)	56759	.041	.07	57809	.028	(a)	58822	.097	(a)
55010	.228	.76	56760	.058	.087	57810	.027	.09	58837	.206	.155
55011	.062	2.01	56805	.077	(a)	57871	.032	.091	58840	.062	.11
55012	.074	.92	56806	.054	(a)	57913	.081	.206	58873	.098	.021
55013	.089	1.13	56807	.054	(a)	57997	.058	—	58903	.022	(a)
55014	(a)	(a)	56808	.07	(a)	57998	.036	.047	58904	.017	.108
55214	.06	.075	56900	.068	(a)	57999	.044	.065	58922	.163	.189
55371	.235	.096	56910	.034	(a)	58009	.044	(a)	59005	.042	.063
55410	(a)	(a)	56911	.087	(a)	58010	.083	(a)	59057	.31	(a)
55426	.108	(a)	56912	.07	.089	58020	.133	(a)	59058	.202	(a)
55597	.015	1.45	56913	.057	(a)	58056	.10	(a)	59188	.27	.047
55647	.03	.065	56915	.34	(a)	58057	.063	(a)	59189	.36	.25
55648	.013	(a)	56916	.31	.26	58058	.056	(a)	59223	.102	.128
55649	.016	(a)	56917	.089	(a)	58095	.079	1.22	59257	.011	.011

DIVISION SIX

PREM/OPS TERR. 502

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
59306	.071	(a)	59923	.008	.006	62003	13.40	—	91125	2.05	2.03
59378	.066	.124	59925	.192	1.15	63010	29.00	—	91127	.94	1.27
59481	.191	.096	59926	.163	.46	63011	36.30	—	91130	.88	—
59482	.28	(a)	59927	.109	1.10	63012	51.60	—	91135	.244	(a)
59537	.071	.219	59931	.147	.37	63013	48.90	—	91150	.89	5.68
59601	.072	1.80	59932	.159	.69	63215	44.20	—	91155	1.98	32.30
59647	.123	.141	59941	.049	(a)	63216	30.70	—	91160	.82	—
59660	.133	.83	59947	.045	.26	63217	24.60	—	91175	.71	—
59661	.065	(a)	59955	.019	.114	63218	8.28	—	91177	3.10	—
59693	.011	—	59963	.141	.32	63219	(a)	—	91179	3.11	—
59695	(a)	(a)	59964	.33	.059	63220	(a)	—	91190	1.67	(a)
59701	.005	.38	59970	.061	.147	64074	9.34	—	91200	.50	—
59713	.119	.30	59973	.091	(a)	64075	6.57	—	91210	(a)	—
59722	.061	.023	59975	.085	.13	64500	(a)	—	91235	1.09	2.49
59723	.023	.03	59977	.049	(a)	65007	26.90	—	91250	1.64	(a)
59724	.035	.016	59984	.025	.041	66122	11.60	—	91265	10.70	3.18
59725	.044	.126	59985	.097	(a)	66123	6.37	—	91266	5.66	.97
59726	.032	.023	59986	.074	(a)	66309	18.60	—	91280	(a)	2.92
59738	.103	.052	59988	.022	.05	66561	43.10	—	91302	8.30	(a)
59750	.053	.141	59989	.013	.037	67017	40.00	—	91315	2.52	—
59751	.019	(a)	60010	16.10	—	67508	25.50	—	91324	5.61	(a)
59773	.016	.023	60011	18.60	—	67509	18.70	—	91325	(a)	(a)
59774	.013	.127	60012	30.50	—	67510	10.40	—	91340	3.66	8.36
59775	.017	.156	60013	26.10	—	67511	11.20	—	91341	3.55	4.35
59781	.046	.065	60015	19.50	—	67512	48.20	—	91342	3.36	4.01
59782	.069	.62	60016	21.90	—	67513	30.60	—	91343	.78	1.62
59783	.067	(a)	60035	30.40	—	67634	34.60	—	91405	4.27	—
59784	.051	(a)	61000	16.00	—	67635	24.50	—	91436	4.02	2.34
59790	.079	(a)	61212	15.50	—	68001	74.80	—	91481	14.70	—
59798	.174	.33	61216	17.20	—	68439	96.20	—	91507	2.16	3.34
59806	.125	(a)	61217	15.70	—	68500	3.55	—	91523	33.30	—
59867	.089	(a)	61218	10.70	—	68604	1.80	—	91547	.19	—
59886	.012	.087	61223	76.10	—	68606	7.03	—	91551	1.18	.77
59889	.052	.192	61224	24.20	—	68607	5.55	—	91555	.66	1.09
59892	.067	(a)	61225	33.60	—	68702	4.58	—	91560	3.13	4.85
59904	.045	.088	61226	56.60	—	68703	3.43	—	91562	2.62	—
59905	.056	.112	61227	51.80	—	68706	14.70	—	91577	9.36	3.51
59914	.33	.65	62000	11.80	—	68707	14.50	—	91580	4.13	—
59915	.15	.53	62001	9.31	—	90089	3.40	—	91581	(a)	(a)
59917	.028	.222	62002	4.25	—	91111	1.40	6.18	91582	(a)	(a)

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
91583	(a)	(a)	94444	(a)	(a)	97223	1.09	3.05	98308	.90	1.19
91584	(a)	(a)	94569	2.31	4.35	97308	.44	—	98309	3.75	2.61
91585	(a)	(a)	94590	9.97	—	97447	1.44	5.68	98344	.57	.90
91586	(a)	(a)	94617	3.15	—	97501	(a)	—	98405	.94	—
91587	(a)	(a)	94638	(a)	—	97502	(a)	—	98413	11.30	(a)
91588	(a)	(a)	95124	1.16	1.57	97503	(a)	—	98414	10.40	(a)
91589	(a)	(a)	95233	2.49	—	97504	(a)	—	98415	1.36	(a)
91590	2.72	—	95305	2.70	—	97650	2.88	4.01	98423	3.25	(a)
91591	(a)	(a)	95306	3.44	—	97651	4.25	4.85	98424	5.51	(a)
91606	8.57	—	95310	6.46	1.29	97652	3.69	5.18	98425	2.26	(a)
91618	(a)	(a)	95357	.88	—	97653	2.46	3.34	98426	2.00	(a)
91629	1.75	(a)	95358	(a)	—	97654	4.30	3.18	98427	1.95	—
91636	3.00	—	95410	3.49	3.01	97655	3.28	4.68	98428	(a)	—
91641	.81	(a)	95455	3.63	1.84	98002	.59	1.05	98429	.78	—
91666	.73	(a)	95487	1.87	(a)	98003	.77	(a)	98430	(a)	—
91722	2.63	(a)	95505	1.69	2.34	98090	.104	—	98449	2.79	30.40
91746	2.62	6.18	95620	1.52	(a)	98091	.112	—	98482	2.99	6.85
91805	.164	—	95625	3.97	4.01	98092	.34	—	98483	4.42	16.70
92053	.40	.81	95630	(a)	(a)	98111	.28	—	98502	4.23	4.01
92054	.139	.28	95647	1.31	6.18	98150	(a)	—	98555	1.97	—
92055	3.88	.28	95648	(a)	(a)	98151	(a)	—	98597	.44	—
92101	6.07	3.34	96053	1.00	4.68	98152	2.00	.61	98598	.152	—
92102	3.65	3.68	96317	.91	—	98153	2.25	(a)	98601	5.07	(a)
92215	1.56	3.34	96408	3.02	13.10	98154	2.66	(a)	98622	(a)	—
92338	1.40	2.17	96409	2.79	9.27	98155	3.72	(a)	98623	(a)	—
92445	1.72	—	96410	2.45	9.19	98156	(a)	(a)	98624	.80	—
92446	4.61	2.01	96611	.84	1.55	98157	2.38	.37	98636	1.34	3.84
92447	4.03	1.65	96702	3.48	(a)	98158	(a)	(a)	98640	87.40	—
92451	1.09	2.51	96703	(a)	—	98159	1.59	(a)	98658	3.85	—
92453	2.55	—	96816	3.26	—	98160	3.38	(a)	98659	.69	.42
92478	1.26	1.84	96872	3.22	(a)	98161	3.78	(a)	98677	13.80	11.00
92593	14.30	—	96930	(a)	—	98162	(a)	(a)	98678	12.20	14.50
92663	.41	—	97002	(a)	(a)	98163	3.97	.212	98698	(a)	(a)
94007	8.66	5.35	97003	(a)	(a)	98164	.92	.073	98699	3.98	(a)
94099	1.97	—	97047	2.55	—	98257	1.16	—	98705	5.44	—
94225	6.94	—	97050	1.98	—	98303	7.47	7.13	98710	2.77	—
94276	3.61	4.68	97111	4.17	—	98304	4.31	4.28	98751	2.91	—
94304	1.39	(a)	97220	.234	(a)	98305	2.05	2.14	98805	3.61	1.64
94381	2.61	11.60	97221	(a)	1.35	98306	5.28	1.16	98806	1.25	3.84
94404	3.42	4.66	97222	.72	1.93	98307	1.36	.64	98810	2.89	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
98813	2.79	2.38	99620	.38	—						
98820	6.90	3.84	99650	.59	1.12						
98871	(a)	(a)	99709	1.46	(a)						
98884	1.79	2.34	99718	1.11	—						
98914	.47	.58	99746	1.88	3.51						
98949	.66	.33	99760	.215	—						
98967	2.82	12.10	99777	5.01	—						
98993	2.56	3.94	99793	2.39	—						
99003	1.34	1.45	99798	(a)	(a)						
99004	2.32	1.67	99803	(a)	9.19						
99080	.95	7.85	99826	.57	.83						
99081	(a)	—	99827	.34	.74						
99082	(a)	—	99851	1.39	—						
99083	(a)	—	99917	2.25	—						
99084	(a)	(a)	99938	2.53	—						
99085	(a)	(a)	99943	7.33	—						
99111	1.38	—	99946	5.46	2.59						
99160	(a)	—	99948	3.08	23.80						
99163	3.29	.42	99952	4.23	18.80						
99165	.72	(a)	99953	4.57	11.40						
99220	1.03	(a)	99954	3.33	13.80						
99221	(a)	(a)	99955	4.17	10.60						
99222	1.94	(a)	99963	.54	—						
99223	.202	(a)	99969	1.88	2.75						
99303	11.00	—	99975	3.70	—						
99310	2.75	(a)	99986	(a)	—						
99315	8.10	2.17	99987	(a)	—						
99321	7.86	2.51	99988	1.66	—						
99445	(a)	(a)									
99471	.47	—									
99505	2.16	—									
99506	2.66	—									
99507	2.32	—									
99570	1.25	(a)									
99571	.30	(a)									
99572	.59	(a)									
99573	.56	(a)									
99600	1.01	—									
99613	6.96	2.51									
99614	2.25	—									

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
10010	.064	.167	10150	.234	(a)	11204	.148	1.39	13111	.46	.08
10011	.015	(a)	10151	5.90	—	11205	(a)	—	13112	.036	.054
10012	.018	(a)	10160	1.05	—	11206	.34	—	13201	.52	.123
10015	4.95	—	10204	.106	—	11207	4.27	—	13204	.59	.86
10020	(a)	(a)	10205	.118	—	11208	.73	—	13205	.227	.34
10025	.015	(a)	10210	.19	(a)	11209	3.43	—	13206	(a)	(a)
10026	.31	.02	10211	.19	(a)	11210	1.46	—	13207	(a)	(a)
10027	.015	(a)	10220	2.23	—	11211	7.60	—	13208	(a)	(a)
10036	.39	(a)	10255	.144	.14	11212	1.15	—	13314	.057	.012
10040	.048	.32	10256	.53	.198	11213	.94	—	13351	.138	.054
10042	.175	.34	10257	.099	.146	11214	2.31	—	13352	.141	.039
10052	3.42	—	10309	.076	.017	11222	.039	—	13410	.83	1.66
10054	3.04	—	10315	.18	(a)	11234	.133	.058	13411	(a)	(a)
10060	.084	.066	10331	6.71	—	11248	.027	.013	13412	.28	1.19
10065	.126	.05	10332	11.60	—	11258	.50	.163	13453	.32	(a)
10066	.128	.07	10352	.241	.053	11259	.53	.128	13454	.38	(a)
10070	.036	.134	10367	1.96	—	11273	6.60	—	13455	.38	(a)
10071	.15	.105	10368	2.86	—	11274	6.33	—	13461	(a)	(a)
10072	2.21	—	10375	(a)	—	11288	.61	.071	13506	.43	.067
10073	.60	.48	10378	6.80	—	12014	.059	.04	13507	.52	.154
10075	4.49	.186	10379	3.16	—	12356	.56	.029	13590	.28	.61
10100	.41	.052	10380	5.39	—	12361	.043	.066	13621	.072	.34
10101	.113	.16	10381	4.67	—	12362	.04	(a)	13670	.024	.018
10105	1.23	—	11007	.83	—	12373	.015	.022	13673	.38	.014
10107	1.85	.242	11020	.143	.193	12374	.29	.059	13715	.04	.111
10110	16.90	—	11039	.53	.063	12375	.143	.041	13716	.214	.103
10111	.08	.059	11052	2.41	—	12391	.03	.059	13720	.212	.052
10113	.17	—	11101	(a)	(a)	12393	.19	(a)	13759	.084	.109
10115	.34	.077	11120	(a)	—	12467	.079	(a)	13930	.085	.147
10117	4.92	—	11126	.03	.023	12509	.036	.026	14068	.018	.01
10119	(a)	—	11127	.203	.009	12510	.46	.025	14101	.217	.044
10120	11.00	—	11128	.27	.07	12583	.203	(a)	14279	.27	.069
10130	1.67	—	11138	1.68	—	12651	.59	.45	14401	.50	.092
10132	1.44	—	11155	.101	—	12683	.27	(a)	14405	.49	—
10133	2.31	—	11160	(a)	(a)	12707	.26	.48	14527	.163	.169
10135	(a)	—	11167	.55	—	12797	.055	.177	14655	.042	—
10140	.02	.02	11168	2.88	—	12805	.153	.161	14731	2.39	—
10141	.039	.021	11201	7.28	—	12841	.25	—	14732	.177	—
10145	.189	.008	11202	2.15	—	12927	.044	—	14733	.29	—
10146	.184	.016	11203	.47	.38	13049	.022	.044	14734	.126	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503											
Products/Completed Operations (Prod/Cops)						(Subline Code 336) Entire State Territory 999					
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
14855	.127	.11	16670	2.79	—	18501	.40	.013	40072	(a)	—
14913	.158	.14	16676	.141	.014	18506	.25	.006	40075	18.60	—
15060	(a)	(a)	16694	.239	(a)	18507	.089	.008	40101	30.50	—
15061	(a)	(a)	16705	.128	.113	18570	.93	—	40102	27.00	—
15062	.114	(a)	16722	(a)	—	18575	(a)	(a)	40111	5.47	—
15063	.132	(a)	16723	(a)	—	18616	.193	.49	40115	(a)	—
15070	.066	—	16750	.049	.035	18707	.006	.006	40117	(a)	—
15119	(a)	—	16751	.049	—	18708	.054	.022	40140	(a)	—
15120	(a)	—	16819	.69	(a)	18833	.072	(a)	41001	.185	—
15123	2.31	—	16820	.53	(a)	18834	.141	.111	41210	(a)	—
15124	.81	—	16881	.77	(a)	18911	.44	.018	41421	.38	—
15188	.20	(a)	16890	.081	(a)	18912	.84	.029	41422	.204	—
15223	.028	.039	16891	.088	(a)	18920	.217	.019	41510	22.30	—
15224	.225	.061	16892	.16	(a)	18991	(a)	—	41603	18.10	—
15300	(a)	—	16900	1.29	.074	19007	.90	—	41604	9.92	—
15314	.101	(a)	16901	.83	.099	19051	2.00	—	41620	.61	—
15404	.052	(a)	16902	.70	.055	19061	(a)	—	41650	25.40	—
15405	.076	(a)	16905	1.36	.064	19795	.145	(a)	41664	23.40	—
15406	.194	.056	16906	.87	.091	19796	.17	—	41665	2.74	—
15488	.48	(a)	16910	.77	.047	40005	(a)	—	41666	(a)	—
15538	.18	.016	16911	.70	.046	40006	(a)	—	41667	63.90	—
15600	.45	.091	16915	.79	.045	40010	(a)	—	41668	59.90	—
15607	.086	—	16916	.66	.053	40015	(a)	—	41669	.42	—
15608	.101	.01	16920	1.76	.102	40020	(a)	—	41670	.70	—
15656	2.99	—	16921	1.61	.041	40026	(a)	—	41672	(a)	—
15699	.212	—	16930	1.01	.127	40031	(a)	—	41673	(a)	—
15733	.127	.03	16931	1.09	.054	40032	(a)	—	41675	(a)	—
15839	.136	.026	16940	2.20	.041	40040	(a)	—	41677	.126	—
15991	.111	.071	16941	.88	.073	40041	(a)	—	41678	57.40	—
15993	.094	.045	18078	.072	.141	40042	(a)	—	41679	(a)	(a)
16005	.021	.03	18109	.185	.029	40045	154.00	—	41680	13.20	—
16009	.155	.111	18110	.148	.032	40046	30.50	—	41696	.40	—
16402	.67	—	18200	(a)	—	40047	10.90	—	41697	.28	—
16403	.42	.155	18205	.112	.39	40059	3.89	—	41700	(a)	—
16404	.53	—	18206	.239	.108	40061	2.06	—	41715	8.39	—
16471	.121	—	18335	.173	.016	40063	69.10	—	41716	5.34	—
16501	.045	(a)	18435	.44	.058	40064	20.30	—	43007	(a)	—
16527	.069	.27	18436	.35	.124	40066	(a)	—	43117	(a)	—
16588	.072	(a)	18437	.247	(a)	40067	(a)	—	43151	9.26	—
16604	.121	.10	18438	.47	(a)	40069	(a)	—	43152	17.20	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
43200	35.20	—	44112	1.37	—	45771	.226	.131	47254	(a)	—
43215	(a)	—	44113	(a)	—	45819	.073	.067	47318	6.51	—
43421	9.66	—	44193	(a)	—	45900	.052	.043	47367	.126	—
43422	50.70	—	44194	(a)	—	45901	.044	.039	47420	1.43	—
43424	(a)	—	44222	(a)	—	45937	.08	—	47468	(a)	—
43470	2.32	—	44276	47.30	—	45993	(a)	(a)	47469	3.82	—
43517	(a)	—	44277	30.70	—	46004	24.20	—	47471	3.31	—
43518	10.00	—	44280	.126	—	46005	19.30	—	47473	4.32	—
43550	34.50	—	44311	5.17	—	46112	.12	—	47474	4.83	—
43551	19.10	—	44315	3.47	—	46202	2.43	—	47475	3.82	—
43626	8.01	—	44427	110.00	—	46362	200.00	—	47476	3.82	—
43628	104.00	—	44428	111.00	—	46426	29.30	—	47477	5.09	—
43629	88.20	—	44429	1.66	—	46427	39.10	—	47478	5.34	—
43754	(a)	—	44430	1.16	—	46510	(a)	—	47600	(a)	—
43760	2.94	—	44431	3.69	—	46590	(a)	—	47610	(a)	—
43822	1.85	—	44432	1.17	—	46603	2.46	—	48039	25.00	—
43840	.023	—	44433	37.30	—	46604	2.84	—	48177	(a)	—
43860	1.45	—	44434	71.30	—	46606	7.56	—	48178	(a)	—
43889	.52	—	44435	73.90	—	46607	10.40	—	48206	21.20	—
43945	(a)	—	44436	86.30	—	46622	5.39	—	48252	(a)	—
43946	(a)	—	44437	71.50	—	46671	(a)	—	48441	.089	—
43990	(a)	(a)	44438	56.50	—	46700	70.90	—	48557	8.90	—
43991	(a)	—	44439	110.00	—	46773	(a)	—	48558	7.74	—
44009	2.81	—	44440	91.00	—	46822	(a)	—	48600	58.60	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	8.56	—	44501	(a)	—	46882	(a)	—	48636	.76	(a)
44070	2.53	—	45190	1.91	—	46911	15.80	—	48637	6.80	—
44071	2.82	—	45191	1.36	—	46912	29.00	—	48638	3.37	—
44072	1.95	—	45192	1.59	—	46913	(a)	—	48727	(a)	—
44100	4.11	—	45193	.94	—	46914	(a)	—	48808	.76	—
44101	4.28	—	45210	1.18	—	46915	(a)	—	48924	(a)	—
44102	3.34	—	45224	(a)	—	46916	(a)	—	48925	163.00	—
44103	2.95	—	45225	(a)	—	47050	.50	—	49005	.086	—
44104	1.24	—	45334	20.30	—	47051	(a)	—	49111	1.17	—
44105	(a)	—	45380	.148	(a)	47052	(a)	—	49181	8.17	—
44106	(a)	—	45450	5.97	—	47103	(a)	—	49183	9.96	—
44108	1.45	—	45523	(a)	—	47146	(a)	—	49184	21.00	—
44109	3.68	—	45524	(a)	—	47147	(a)	—	49185	19.10	—
44110	3.76	—	45539	(a)	—	47221	77.80	—	49239	.111	.36
44111	2.31	—	45678	.136	—	47253	(a)	—	49292	.60	—

DIVISION SIX

PREM/OPS TERR. 503

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
49305	(a)	—	51240	.134	.215	51702	.072	(a)	51986	.065	.082
49333	4.38	—	51241	.40	.24	51703	.03	(a)	51999	.027	.32
49451	(a)	—	51250	.121	(a)	51734	.056	.43	52002	.024	.104
49452	(a)	—	51251	.012	(a)	51741	.07	.26	52075	.089	.197
49617	.19	.162	51252	.04	.061	51752	.059	.141	52076	.107	(a)
49618	.16	.058	51253	.034	(a)	51767	.011	.007	52109	.006	(a)
49619	.30	.119	51254	.011	.025	51777	.037	.058	52134	.081	.56
49763	1.95	—	51255	.31	(a)	51790	.062	(a)	52137	.035	(a)
49800	(a)	—	51300	.051	.127	51796	.025	(a)	52150	.148	(a)
49801	68.50	—	51305	.051	.76	51808	.09	.53	52315	.049	.27
49802	6.07	—	51315	.072	.08	51809	.112	.173	52341	.022	(a)
49803	10.80	—	51330	.046	.82	51833	.056	.051	52342	.063	(a)
49840	.52	—	51333	.015	.28	51850	.113	(a)	52343	.038	(a)
49870	68.00	—	51340	.011	(a)	51851	.076	(a)	52401	.119	(a)
49890	(a)	—	51350	.086	.115	51852	.179	(a)	52402	.006	(a)
49891	(a)	—	51351	.077	.045	51853	.072	(a)	52432	.03	(a)
49902	(a)	—	51352	.106	.09	51854	.161	(a)	52433	.028	.65
49903	(a)	—	51355	.072	.082	51855	.169	(a)	52435	.035	(a)
50010	.065	.33	51356	.078	.47	51856	.093	(a)	52438	.025	(a)
50011	.042	(a)	51357	.102	.95	51857	.159	(a)	52440	.039	(a)
50012	.024	(a)	51358	.246	.111	51869	.03	.138	52467	.036	(a)
50015	.042	(a)	51359	.216	.62	51877	.168	.156	52469	.013	.085
50017	.032	(a)	51370	.131	2.69	51889	.028	.01	52505	.063	.195
50018	.038	(a)	51380	.013	.039	51896	.013	.017	52547	.103	.058
50019	.017	(a)	51400	.109	(a)	51900	.042	.098	52581	.31	1.80
50045	.074	(a)	51401	.16	(a)	51909	.102	.048	52619	.022	(a)
50047	.008	(a)	51500	.025	.145	51919	.028	(a)	52660	.045	—
51001	.026	.38	51516	.038	—	51926	.028	.041	52744	.214	.052
51005	.005	(a)	51517	.043	—	51927	.015	.10	52767	.094	(a)
51116	.066	.64	51550	.031	.42	51934	.031	.082	52876	(a)	(a)
51201	.011	(a)	51551	.011	.83	51941	.028	.034	52911	.017	.42
51205	.034	.046	51552	.018	.137	51942	.045	—	52967	.006	.052
51206	.005	.37	51553	.033	(a)	51956	.122	.14	53001	.063	.241
51210	.046	(a)	51554	.003	(a)	51957	.108	.37	53077	.03	.204
51211	(a)	(a)	51575	.023	.023	51958	.096	.31	53095	.021	(a)
51220	.157	1.48	51576	.059	.101	51959	.098	(a)	53096	.029	(a)
51221	.087	1.47	51600	.04	.194	51960	.013	.30	53121	.082	.46
51222	.106	4.76	51613	.026	.141	51970	.056	.138	53147	.016	(a)
51224	.111	1.17	51625	.024	(a)	51982	.017	.068	53229	.089	(a)
51230	.019	.64	51666	.037	.085	51985	.035	—	53271	.016	(a)

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops
53333	.088	.249	55715	.065	.169	56918	.036	(a)	58096	.058	1.35
53374	.056	.191	55716	.094	.41	56919	.091	(a)	58301	.028	.086
53375	.03	.31	55717	.12	(a)	56920	.083	(a)	58302	.016	.042
53376	.048	.159	55718	.116	(a)	56980	.032	(a)	58397	.09	.45
53377	.049	.172	55802	.037	.013	57001	.011	.022	58408	.03	–
53403	.031	(a)	55918	.037	1.76	57002	.007	.08	58409	.038	–
53425	.083	(a)	55919	.005	2.95	57090	.133	.83	58456	.02	–
53565	.036	.081	56040	.003	.028	57146	.084	.64	58457	.029	–
53631	.01	.019	56041	.023	(a)	57202	.028	(a)	58458	.038	–
53632	.011	.029	56042	.029	(a)	57257	.035	.042	58459	.045	–
53731	.01	(a)	56170	.081	(a)	57401	.02	.079	58503	.024	.08
53732	.069	.45	56171	.04	(a)	57403	.076	.03	58532	.031	(a)
53733	.045	.177	56202	.023	.063	57410	.01	.164	58559	.006	(a)
53734	.227	–	56390	.04	.64	57411	.02	(a)	58560	.015	(a)
53803	.197	(a)	56391	.035	.25	57572	.006	.094	58561	(a)	(a)
53901	(a)	(a)	56427	.056	.107	57600	.017	.03	58575	.02	.098
53902	(a)	(a)	56488	.062	.042	57611	.044	.044	58627	.063	.011
53903	(a)	(a)	56567	.084	(a)	57625	.149	(a)	58663	.187	.65
53904	(a)	(a)	56650	.26	(a)	57651	.018	.037	58682	.056	(a)
53905	(a)	(a)	56651	.14	(a)	57690	.057	.38	58713	.024	(a)
53907	.03	.078	56652	.10	(a)	57716	.027	.08	58737	.041	.49
53951	(a)	(a)	56653	.097	(a)	57725	.059	.083	58756	.035	(a)
53952	(a)	(a)	56654	.049	(a)	57726	.046	.025	58757	.137	(a)
53953	(a)	(a)	56690	.032	.31	57798	.009	(a)	58759	.017	(a)
54012	.023	–	56699	.026	.078	57800	.034	(a)	58802	.019	.39
54077	.041	.36	56758	.022	.123	57808	.023	(a)	58813	.086	(a)
54444	(a)	(a)	56759	.022	.07	57809	.023	(a)	58822	.053	(a)
55010	.125	.76	56760	.032	.087	57810	.023	.09	58837	.172	.155
55011	.034	2.01	56805	.042	(a)	57871	.027	.091	58840	.052	.11
55012	.04	.92	56806	.03	(a)	57913	.044	.206	58873	.082	.021
55013	.075	1.13	56807	.029	(a)	57997	.05	–	58903	.012	(a)
55014	(a)	(a)	56808	.039	(a)	57998	.02	.047	58904	.009	.108
55214	.033	.075	56900	.037	(a)	57999	.037	.065	58922	.137	.189
55371	.144	.096	56910	.019	(a)	58009	.037	(a)	59005	.023	.063
55410	(a)	(a)	56911	.073	(a)	58010	.046	(a)	59057	.171	(a)
55426	.091	(a)	56912	.059	.089	58020	.082	(a)	59058	.11	(a)
55597	.008	1.45	56913	.048	(a)	58056	.054	(a)	59188	.162	.047
55647	.016	.065	56915	.28	(a)	58057	.034	(a)	59189	.223	.25
55648	.007	(a)	56916	.26	.26	58058	.031	(a)	59223	.085	.128
55649	.009	(a)	56917	.074	(a)	58095	.043	1.22	59257	.006	.011

DIVISION SIX

PREM/OPS TERR. 503

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
59306	.039	(a)	59923	.004	.006	62003	15.50	—	91125	2.05	2.03
59378	.055	.124	59925	.222	1.15	63010	45.50	—	91127	.94	1.27
59481	.105	.096	59926	.189	.46	63011	56.90	—	91130	.88	—
59482	.169	(a)	59927	.127	1.10	63012	80.90	—	91135	.244	(a)
59537	.06	.219	59931	.081	.37	63013	76.60	—	91150	.89	5.68
59601	.039	1.80	59932	.087	.69	63215	51.20	—	91155	1.98	32.30
59647	.076	.141	59941	.027	(a)	63216	35.50	—	91160	.82	—
59660	.073	.83	59947	.038	.26	63217	31.00	—	91175	.71	—
59661	.036	(a)	59955	.01	.114	63218	10.40	—	91177	3.10	—
59693	.006	—	59963	.077	.32	63219	(a)	—	91179	3.11	—
59695	(a)	(a)	59964	.18	.059	63220	(a)	—	91190	1.67	(a)
59701	.003	.38	59970	.051	.147	64074	13.50	—	91200	.50	—
59713	.065	.30	59973	.05	(a)	64075	9.50	—	91210	(a)	—
59722	.034	.023	59975	.071	.13	64500	(a)	—	91235	1.09	2.49
59723	.013	.03	59977	.041	(a)	65007	31.20	—	91250	1.64	(a)
59724	.019	.016	59984	.014	.041	66122	13.40	—	91265	10.70	3.18
59725	.024	.126	59985	.053	(a)	66123	7.38	—	91266	5.66	.97
59726	.018	.023	59986	.041	(a)	66309	21.50	—	91280	(a)	2.92
59738	.056	.052	59988	.018	.05	66561	49.90	—	91302	8.30	(a)
59750	.044	.141	59989	.007	.037	67017	46.30	—	91315	2.52	—
59751	.016	(a)	60010	25.30	—	67508	30.50	—	91324	5.61	(a)
59773	.01	.023	60011	29.10	—	67509	22.40	—	91325	(a)	(a)
59774	.008	.127	60012	47.80	—	67510	12.50	—	91340	3.66	8.36
59775	.01	.156	60013	41.00	—	67511	13.50	—	91341	3.55	4.35
59781	.038	.065	60015	30.60	—	67512	57.70	—	91342	3.36	4.01
59782	.057	.62	60016	34.40	—	67513	36.60	—	91343	.78	1.62
59783	.056	(a)	60035	35.10	—	67634	40.10	—	91405	4.27	—
59784	.043	(a)	61000	25.00	—	67635	28.30	—	91436	4.02	2.34
59790	.043	(a)	61212	17.90	—	68001	86.50	—	91481	14.70	—
59798	.146	.33	61216	19.90	—	68439	111.00	—	91507	2.16	3.34
59806	.105	(a)	61217	18.10	—	68500	5.57	—	91523	33.30	—
59867	.049	(a)	61218	12.40	—	68604	2.08	—	91547	.19	—
59886	.007	.087	61223	88.00	—	68606	8.13	—	91551	1.18	.77
59889	.032	.192	61224	28.10	—	68607	6.43	—	91555	.66	1.09
59892	.056	(a)	61225	38.90	—	68702	5.29	—	91560	3.13	4.85
59904	.038	.088	61226	65.50	—	68703	3.97	—	91562	2.62	—
59905	.031	.112	61227	59.90	—	68706	17.00	—	91577	9.36	3.51
59914	.179	.65	62000	13.60	—	68707	16.80	—	91580	4.13	—
59915	.126	.53	62001	10.80	—	90089	3.40	—	91581	(a)	(a)
59917	.023	.222	62002	4.92	—	91111	1.40	6.18	91582	(a)	(a)

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
91583	(a)	(a)	94444	(a)	(a)	97223	1.09	3.05	98308	.90	1.19
91584	(a)	(a)	94569	2.31	4.35	97308	.44	—	98309	3.75	2.61
91585	(a)	(a)	94590	9.97	—	97447	1.44	5.68	98344	.57	.90
91586	(a)	(a)	94617	3.15	—	97501	(a)	—	98405	.94	—
91587	(a)	(a)	94638	(a)	—	97502	(a)	—	98413	11.30	(a)
91588	(a)	(a)	95124	1.16	1.57	97503	(a)	—	98414	10.40	(a)
91589	(a)	(a)	95233	2.49	—	97504	(a)	—	98415	1.36	(a)
91590	2.72	—	95305	2.70	—	97650	2.88	4.01	98423	3.25	(a)
91591	(a)	(a)	95306	3.44	—	97651	4.25	4.85	98424	5.51	(a)
91606	8.57	—	95310	6.46	1.29	97652	3.69	5.18	98425	2.26	(a)
91618	(a)	(a)	95357	.88	—	97653	2.46	3.34	98426	2.00	(a)
91629	1.75	(a)	95358	(a)	—	97654	4.30	3.18	98427	1.95	—
91636	3.00	—	95410	3.49	3.01	97655	3.28	4.68	98428	(a)	—
91641	.81	(a)	95455	3.63	1.84	98002	.59	1.05	98429	.78	—
91666	.73	(a)	95487	1.87	(a)	98003	.77	(a)	98430	(a)	—
91722	2.63	(a)	95505	1.69	2.34	98090	.104	—	98449	2.79	30.40
91746	2.62	6.18	95620	1.52	(a)	98091	.112	—	98482	2.99	6.85
91805	.164	—	95625	3.97	4.01	98092	.34	—	98483	4.42	16.70
92053	.40	.81	95630	(a)	(a)	98111	.28	—	98502	4.23	4.01
92054	.139	.28	95647	1.31	6.18	98150	(a)	—	98555	1.97	—
92055	3.88	.28	95648	(a)	(a)	98151	(a)	—	98597	.44	—
92101	6.07	3.34	96053	1.00	4.68	98152	2.00	.61	98598	.152	—
92102	3.65	3.68	96317	.91	—	98153	2.25	(a)	98601	5.07	(a)
92215	1.56	3.34	96408	3.02	13.10	98154	2.66	(a)	98622	(a)	—
92338	1.40	2.17	96409	2.79	9.27	98155	3.72	(a)	98623	(a)	—
92445	1.72	—	96410	2.45	9.19	98156	(a)	(a)	98624	.80	—
92446	4.61	2.01	96611	.84	1.55	98157	2.38	.37	98636	1.34	3.84
92447	4.03	1.65	96702	3.48	(a)	98158	(a)	(a)	98640	87.40	—
92451	1.09	2.51	96703	(a)	—	98159	1.59	(a)	98658	3.85	—
92453	2.55	—	96816	3.26	—	98160	3.38	(a)	98659	.69	.42
92478	1.26	1.84	96872	3.22	(a)	98161	3.78	(a)	98677	13.80	11.00
92593	14.30	—	96930	(a)	—	98162	(a)	(a)	98678	12.20	14.50
92663	.41	—	97002	(a)	(a)	98163	3.97	.212	98698	(a)	(a)
94007	8.66	5.35	97003	(a)	(a)	98164	.92	.073	98699	3.98	(a)
94099	1.97	—	97047	2.55	—	98257	1.16	—	98705	5.44	—
94225	6.94	—	97050	1.98	—	98303	7.47	7.13	98710	2.77	—
94276	3.61	4.68	97111	4.17	—	98304	4.31	4.28	98751	2.91	—
94304	1.39	(a)	97220	.234	(a)	98305	2.05	2.14	98805	3.61	1.64
94381	2.61	11.60	97221	(a)	1.35	98306	5.28	1.16	98806	1.25	3.84
94404	3.42	4.66	97222	.72	1.93	98307	1.36	.64	98810	2.89	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
98813	2.79	2.38	99620	.38	—						
98820	6.90	3.84	99650	.59	1.12						
98871	(a)	(a)	99709	1.46	(a)						
98884	1.79	2.34	99718	1.11	—						
98914	.47	.58	99746	1.88	3.51						
98949	.66	.33	99760	.215	—						
98967	2.82	12.10	99777	5.01	—						
98993	2.56	3.94	99793	2.39	—						
99003	1.34	1.45	99798	(a)	(a)						
99004	2.32	1.67	99803	(a)	9.19						
99080	.95	7.85	99826	.57	.83						
99081	(a)	—	99827	.34	.74						
99082	(a)	—	99851	1.39	—						
99083	(a)	—	99917	2.25	—						
99084	(a)	(a)	99938	2.53	—						
99085	(a)	(a)	99943	7.33	—						
99111	1.38	—	99946	5.46	2.59						
99160	(a)	—	99948	3.08	23.80						
99163	3.29	.42	99952	4.23	18.80						
99165	.72	(a)	99953	4.57	11.40						
99220	1.03	(a)	99954	3.33	13.80						
99221	(a)	(a)	99955	4.17	10.60						
99222	1.94	(a)	99963	.54	—						
99223	.202	(a)	99969	1.88	2.75						
99303	11.00	—	99975	3.70	—						
99310	2.75	(a)	99986	(a)	—						
99315	8.10	2.17	99987	(a)	—						
99321	7.86	2.51	99988	1.66	—						
99445	(a)	(a)									
99471	.47	—									
99505	2.16	—									
99506	2.66	—									
99507	2.32	—									
99570	1.25	(a)									
99571	.30	(a)									
99572	.59	(a)									
99573	.56	(a)									
99600	1.01	—									
99613	6.96	2.51									
99614	2.25	—									