

LOSS COSTS – IMPLEMENTATION

SEPTEMBER 9, 2022

GENERAL LIABILITY

LI-GL-2022-222

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

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### KEY MESSAGE

Revised overall prospective loss costs for -6.1% to be implemented.

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### BACKGROUND

In circular [LI-GL-2022-162](#), we provided you with information about the General Liability loss cost level experience review.

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### 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.

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### 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.

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## 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.

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## 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.

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## EFFECTIVE DATE

The ISO revision is subject to the following rule of application:

These changes are applicable to all policies written on or after June 1, 2023.

This effective date applies only to those insurers who have filed their Commercial General Liability loss cost adjustments to be automatically applicable to future ISO loss cost revisions.

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## IMPACT ON THE STATISTICAL REPORTING OF LOSS COST MULTIPLIER

For the purpose of reporting your company Loss Cost Multiplier under the CSP, as of June 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.

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## COMPANY ACTION

You must independently determine the final rates you will use. The action, if any, you must take in response to this filing is dependent upon how you filed to have your loss cost adjustments apply to subsequent revisions of ISO loss costs. Any submission you make with respect to this revision must comply with applicable regulatory filing requirements.

For guidance on submission requirements, consult the ISO State Filing Handbook.

WE WILL SUBMIT OUR REFERENCE FILING TO THE INSURANCE DEPARTMENT ON MAY 1, 2023. ANY SUBMISSION YOU MAY MAKE WITH THE INSURANCE DEPARTMENT WITH RESPECT TO THIS FILING SHOULD NOT BE SUBMITTED PRIOR TO THIS DATE.

In all correspondence with the Insurance Department on this revision, you should refer to ISO Filing Number GL-2022-BGL1 and SERFF Tracking Number ISOF-133389714, NOT this circular number.

CAUTION: This reference filing revises only certain advisory prospective loss costs for Commercial General Liability in this state. In determining whether or not to revise your rates, you should consider the application of your loss cost adjustments to any loss costs not included in this revision.

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## RATING SOFTWARE IMPACT

No new attributes are being introduced with this revision.

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## 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.

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## REVISION DISTRIBUTION

We will issue a Notice to Manualholders with an edition date of 6-23 (or the earliest possible subsequent date), along with any new and/or revised manual pages.

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## REFERENCE(S)

- [LI-GL-2022-162](#) (07/27/2022) General Liability Basic Limit Experience For 2022 Group 3 Jurisdictions Reviewed By Staff
- [LI-CL-2022-006](#) (02/22/2022) Revised Lead Time Requirements Listing

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## ATTACHMENT(S)

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

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## 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.

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## 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.

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## 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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We provide participating insurers with information concerning the jurisdictions for which our products and services are distributed. Even in those jurisdictions, each insurer must determine what filing requirements, if any, apply and whether those requirements have been satisfied.

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## CONTACT INFORMATION

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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](http://www.verisk.com/iso). To keep abreast of the latest Insurance Lines Services updates, view [www.verisk.com/ils](http://www.verisk.com/ils).

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

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PURPOSE

This document:

- revises current advisory prospective loss costs for Premises/Operations and Products/Completed Operations classes. These loss costs represent a -6.1% 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.

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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.

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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.

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LOSS COST  
LEVEL CHANGES

The statewide advisory loss cost level changes are:

<u>SUBLINE</u>	<u>INDICATED</u>	<u>SELECTED</u>
M&C	-14.1%	-14.1%
OL&T	+8.2%	+8.2%
Premises/Operations	-4.1%	-4.1%
Products	-11.5%	-11.5%
Local Products/Completed Operations	-13.7%	-13.7%
Products/Completed Operations	-13.2%	-13.2%
GL Overall	-6.1%	-6.1%

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 6/30/2021 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 6/1/2023. 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 6/30/2021 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. Cincinnati Insurance Co.	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. Chubb Group of Insurance Cos.	5. Travelers Indemnity Co.
6. XL Specialty Insurance Co.	6. Cincinnati Insurance Co.
7. Liberty Mutual Insurance Co.	7. Continental Casualty Co.
8. Fireman's Fund Insurance Co.	8. Liberty Mutual Insurance Co.
9. Great American Insurance Co.	9. United Fire & Casualty Co.
10. Selective Insurance Group	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)	30.0 %
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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TENNESSEE  
PRIOR REVISIONS

The latest implemented revisions in this state are:

Document: GL-2021-BGL1

<u>Coverage</u>	<u>Effective Date</u>	<u>Loss Cost Level Changes</u>		
		<u>Indicated</u>	<u>Selected</u>	<u>Implemented</u>
M&C		-1.2%	-1.2%	-1.2%
OL&T		-2.7%	-2.7%	-2.7%
Prem/Ops Combined		-1.9%	-1.9%	-1.9%
Products		-4.1%	-4.1%	-4.1%
Local Products/Completed Ops		+8.4%	+8.4%	+8.4%
Products/Completed Operations		+5.0%	+5.0%	+5.0%
General Liability Overall	6/1/2022	-0.5%	-0.5%	-0.5%

Document: GL-2020-BGL1

<u>Coverage</u>	<u>Effective Date</u>	<u>Loss Cost Level Changes</u>		
		<u>Indicated</u>	<u>Selected</u>	<u>Implemented</u>
M&C		+1.8%	+1.8%	+1.8%
OL&T		+9.6%	+8.7%	+8.7%
Prem/Ops Combined		+5.8%	+5.4%	+5.4%
Products		-1.5%	-1.5%	-1.5%
Local Products/Completed Ops		+12.8%	+12.8%	+12.8%
Products/Completed Operations		+8.7%	+8.7%	+8.7%
General Liability Overall	6/1/2021	+6.4%	+6.0%	+6.0%

Document: GL-2019-BGL1

<u>Coverage</u>	<u>Effective Date</u>	<u>Loss Cost Level Changes</u>		
		<u>Indicated</u>	<u>Selected</u>	<u>Implemented</u>
M&C		+10.5%	+10.5%	+10.5%
OL&T		-1.3%	-1.3%	-1.3%
Prem/Ops Combined		+4.1%	+4.1%	+4.1%
Products		-11.2%	-11.2%	-11.2%
Local Products/Completed Ops		+1.4%	+1.4%	+1.4%
Products/Completed Operations		-2.7%	-2.7%	-2.7%
General Liability Overall	6/1/2020	+2.7%	+2.7%	+2.7%

**TENNESSEE  
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.

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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.

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STEP 2:  
DISTRIBUTION OF  
BASIC LIMIT LOSS  
COST LEVEL  
INDICATION

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).

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.

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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.

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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.

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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.

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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.

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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.

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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 June 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  $i^{\text{th}}$  type of policy;

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

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

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

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

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

$j^{\text{th}}$  class group and  $k^{\text{th}}$  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  $i^{\text{th}}$  type of policy;

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

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

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

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

and  $j^{\text{th}}$  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  $i^{\text{th}}$  type of policy;

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

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

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

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

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

$j^{\text{th}}$  class group and  $k^{\text{th}}$  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.

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### 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.

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## 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.

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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.

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### APPLICATION OF EXPOSURE DEVELOPMENT FACTORS

The earned exposures underlying the Premises/Operations statewide loss cost level indications are evaluated as of September 30, 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 6/30/2021 and 6/30/2020 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.

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## 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.

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### 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 September 30, 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 6/30/2021, 6/30/2020, 6/30/2019, and 6/30/2018 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.

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## 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 June 30, 2021 evaluated as of September 30, 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.

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### 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.

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## 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.

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## 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	
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:  $P3 = 1.0$

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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:  $P4 = 1.0$

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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	<p>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.</p> <hr/>
IMPORTANCE OF APPLICATION	<p>The unallocated loss adjustment expense factor is necessary to account for loss adjustment expenses which cannot be allocated to a particular claim.</p> <hr/>
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> <hr/>

## 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.

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### 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.

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### 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 - 6/30/2021. 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 (year ending 6/30/2021 and 12/31/2020) when making selections given that this pandemic impacted period may not be a good indicator of future experience.

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## 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  $i$ .

$\Sigma^2$  = 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 6/30/2021 had not yet occurred as of the 9/30/2021 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 6/30/2021 for M&C and OL&T so no exposure development adjustments have been applied for either.

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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.

## TENNESSEE

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)	- 16.3%	+ 3.7%	- 7.3%				
Statewide Indicated Monoline Loss Cost Level Change (See Section B)	- 14.1%	+ 8.2%	- 4.1%	- 11.5%*	- 13.7%**	- 13.2%	- 6.1%
Statewide Selected Monoline Loss Cost Level Change	- 14.1%	+ 8.2%	- 4.1%	- 11.5%*	- 13.7%	- 13.2%	- 6.1%

\* 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.

## TENNESSEE

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

<u>CODE</u>	<u>TERRITORY DESCRIPTION</u>	<u>LATEST YEAR MONO/MULTI AGGREGATE LOSS COSTS AT CURRENT LEVEL (ALCCL)</u>	<u>INDICATED LOSS COST LEVEL CHANGE BEFORE CAPPING</u>	<u>LOSS COST LEVEL CHANGE AFTER CAPPING</u>
501	Memphis	\$2,945,192	+ 10.0%	+ 10.0%
503	Chattanooga, Knoxville and Nashville	\$5,641,804	+ 7.2%	+ 7.2%
504	Carter, Sullivan, Unicoi and Washington Counties	\$710,867	+ 9.6%	+ 9.6%
505	Remainder of State	\$8,773,829	+ 8.1%	+ 8.1%
	STATEWIDE TOTAL	\$18,071,691	+ 8.2%	+ 8.2%

TENNESSEE  
PREMISES/OPERATIONS  
CLASS GROUP LOSS COST LEVEL CHANGES

MANUFACTURERS AND CONTRACTORS LIABILITY INSURANCE

CLASS GROUP	DESCRIPTION	LATEST YEAR MONO/MULTI ALCCL	INDICATED LOSS COST LEVEL CHANGE BEFORE CAPPING	LOSS COST LEVEL CHANGE AFTER CAPPING
30	SERVICE	\$ 1,882,960	- 15.9%	- 16.4%
31	LIGHT CONTRACTING	\$ 3,265,130	- 12.6%	- 13.1%
32	MEDIUM CONTRACTING	\$ 7,935,636	- 13.7%	- 14.2%
33	HEAVY CONTRACTING	\$ 3,278,076	- 12.2%	- 12.7%
34	DEALERS OR DISTRIBUTORS	\$ 1,701,035	- 13.7%	- 12.6%
35	LIGHT MANUFACTURERS	\$ 305,769	- 16.8%	- 15.6%
36	MEDIUM MANUFACTURERS	\$ 1,585,037	- 18.2%	- 17.0%
37	HEAVY MANUFACTURERS	\$ 883,094	- 16.9%	- 15.7%
38	MISCELLANEOUS OPERATIONS	\$ 1,416,174	- 14.7%	- 13.4%
	TOTAL	\$ 22,252,911	- 14.1%	- 14.1%

OWNERS, LANDLORDS AND TENANTS LIABILITY INSURANCE

CLASS GROUP	DESCRIPTION	LATEST YEAR MONO/MULTI ALCCL	INDICATED LOSS COST LEVEL CHANGE BEFORE CAPPING	LOSS COST LEVEL CHANGE AFTER CAPPING
01	FOOD AND BEVERAGE (RETAIL)	\$ 1,137,685	+ 5.5%	+ 5.6%
02	RESTAURANTS	\$ 2,985,917	+ 7.0%	+ 7.0%
03	STORES	\$ 1,338,153	+ 2.8%	+ 2.8%
04	VENDING AND RENTAL	\$ 113,677	+ 9.4%	+ 9.5%
05	FOOD AND BEVERAGE DISTRIBUTORS	\$ 222,850	+ 8.3%	+ 8.2%
06	NON-(FOOD AND BEVERAGE) DISTRIB.	\$ 528,228	+ 7.6%	+ 7.5%
07	CLUBS, AMUSEMENTS AND SPORTS	\$ 1,364,682	+ 11.0%	+ 11.1%
08	HEALTH CARE FACILITIES	\$ 145,466	+ 7.9%	+ 7.7%
09	HOTELS AND MOTELS	\$ 1,457,170	+ 11.6%	+ 11.4%
10	SCHOOLS AND CHURCHES	\$ 1,687,913	+ 9.5%	+ 9.5%
11	APARTMENTS	\$ 1,410,166	+ 8.9%	+ 8.9%
12	BUILDINGS AND OFFICES	\$ 5,335,061	+ 8.4%	+ 8.5%
13	MISCELLANEOUS PREMISES	\$ 264,539	+ 11.5%	+ 11.4%
16	GOVERNMENTAL SUBDIVISIONS	\$ 80,184	+ 7.6%	+ 7.9%
	TOTAL	\$ 18,071,691	+ 8.2%	+ 8.2%

## TENNESSEE

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%	\$ 430,161	- 6.2%	- 6.2%
04	DEALERS OR DISTRIBUTORS-NOT FOOD OR DRUG	\$ 38,602,493	- 12.3%	\$ 914,538	- 10.8%	- 10.8%
05	MANUFACTURERS-NOT FOOD OR DRUG-LOW	\$ 4,495,269	- 10.8%	\$ 63,440	- 0.4%	- 0.4%
06	MANUFACTURERS-NOT FOOD OR DRUG-MEDIUM	\$ 33,819,957	- 12.1%	\$ 876,404	- 13.3%	- 13.3%
07	MANUFACTURERS-NOT FOOD OR DRUG-HIGH	\$ 8,325,383	- 13.6%	\$ 310,235	- 18.4%	- 18.4%
	PRODUCTS SUBTOTAL	\$ 115,214,806	- 12.1%	\$ 2,594,779	- 11.5%	- 11.5%
01	RETAIL STORES-FOOD OR DRUG			\$ 224,836	- 10.7%	- 9.9%
02	RETAIL STORES-NOT FOOD OR DRUG			\$ 471,568	- 14.7%	- 13.8%
11	COMPLETED OPERATIONS-LOW			\$ 481,688	- 8.9%	- 10.9%
12	COMPLETED OPERATIONS-MEDIUM			\$ 6,951,869	- 13.8%	- 13.8%
13	COMPLETED OPERATIONS-HIGH			\$ 474,213	- 17.0%	- 16.9%
	LOCAL PRODUCTS/COMPLETED OPERATIONS SUBTOTAL			\$ 8,604,173	- 13.7%	- 13.7%
	TOTAL			\$ 11,198,952	- 13.2%	- 13.2%

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 -34% relative to current loss costs;
- OL&T classes reflect an upper cap of +33% and a lower cap of -20% 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 -34% 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:     0.995                      OL&T:     1.000                      LP/CO:     1.000

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 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
10010	501	0.085	0.078	+9.0		10040	505	0.099	0.092	+7.6		10072	504	2.950	3.400	-13.2	
10010	503	0.112	0.105	+6.7		10042	501	0.260	0.248	+4.8		10072	505	4.580	5.280	-13.3	
10010	504	0.085	0.078	+9.0		10042	503	0.320	0.310	+3.2		10073	501	0.920	1.060	-13.2	
10010	505	0.130	0.120	+8.3		10042	504	0.410	0.390	+5.1		10073	503	1.090	1.250	-12.8	
10011	501	0.020	0.019	+5.3		10042	505	0.460	0.450	+2.2		10073	504	0.990	1.130	-12.4	
10011	503	0.027	0.025	+8.0		10052	501	4.590	4.080	+12.5		10073	505	0.790	0.900	-12.2	
10011	504	0.020	0.019	+5.3		10052	503	3.810	3.460	+10.1		10075	501	6.860	7.840	-12.5	
10011	505	0.031	0.029	+6.9		10052	504	4.040	3.580	+12.8		10075	503	8.120	9.280	-12.5	
10012	501	0.024	0.022	+9.1		10052	505	4.480	4.030	+11.2		10075	504	7.320	8.390	-12.8	
10012	503	0.031	0.029	+6.9		10054	501	4.070	3.620	+12.4		10075	505	5.850	6.680	-12.4	
10012	504	0.024	0.022	+9.1		10054	503	3.380	3.070	+10.1		10100	501	1.160	1.080	+7.4	
10012	505	0.036	0.033	+9.1		10054	504	3.590	3.180	+12.9		10100	503	1.150	1.100	+4.5	
10015	501	6.630	5.900	+12.4		10054	505	3.970	3.570	+11.2		10100	504	0.780	0.730	+6.8	
10015	503	5.500	5.010	+9.8		10060	501	0.124	0.119	+4.2		10100	505	1.160	1.100	+5.5	
10015	504	5.840	5.180	+12.7		10060	503	0.152	0.150	+1.3		10101	501	0.167	0.161	+3.7	
10015	505	6.480	5.820	+11.3		10060	504	0.195	0.186	+4.8		10101	503	0.206	0.203	+1.5	
10025	501	0.020	0.019	+5.3		10060	505	0.220	0.214	+2.8		10101	504	0.260	0.250	+4.0	
10025	503	0.027	0.025	+8.0		10065	501	0.186	0.178	+4.5		10101	505	0.300	0.290	+3.4	
10025	504	0.020	0.019	+5.3		10065	503	0.229	0.225	+1.8		10105	501	1.810	1.740	+4.0	
10025	505	0.031	0.029	+6.9		10065	504	0.290	0.280	+3.6		10105	503	2.230	2.190	+1.8	
10026	501	0.450	0.430	+4.7		10065	505	0.330	0.320	+3.1		10105	504	2.850	2.730	+4.4	
10026	503	0.560	0.550	+1.8		10066	501	0.189	0.182	+3.8		10105	505	3.230	3.130	+3.2	
10026	504	0.710	0.680	+4.4		10066	503	0.233	0.229	+1.7		10107	501	2.830	3.230	-12.4	
10026	505	0.800	0.780	+2.6		10066	504	0.300	0.290	+3.4		10107	503	3.350	3.820	-12.3	
10027	501	0.020	0.019	+5.3		10066	505	0.340	0.330	+3.0		10107	504	3.010	3.450	-12.8	
10027	503	0.027	0.025	+8.0		10070	501	0.049	0.045	+8.9		10107	505	2.410	2.750	-12.4	
10027	504	0.020	0.019	+5.3		10070	503	0.064	0.060	+6.7		10110	501	22.600	20.100	+12.4	
10027	505	0.031	0.029	+6.9		10070	504	0.049	0.045	+8.9		10110	503	18.700	17.100	+9.4	
10036	501	0.590	0.680	-13.2		10070	505	0.074	0.069	+7.2		10110	504	19.900	17.600	+13.1	
10036	503	0.700	0.800	-12.5		10071	501	0.222	0.213	+4.2		10110	505	22.000	19.800	+11.1	
10036	504	0.630	0.730	-13.7		10071	503	0.270	0.270	0.0		10111	501	0.107	0.098	+9.2	
10036	505	0.510	0.580	-12.1		10071	504	0.350	0.330	+6.1		10111	503	0.140	0.132	+6.1	
10040	501	0.065	0.060	+8.3		10071	505	0.400	0.380	+5.3		10111	504	0.107	0.098	+9.2	
10040	503	0.085	0.080	+6.3		10072	501	3.970	4.590	-13.5		10111	505	0.162	0.151	+7.3	
10040	504	0.065	0.059	+10.2		10072	503	4.320	4.990	-13.4		10113	501	0.250	0.241	+3.7	

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 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
10113	503	0.310	0.300	+3.3		10145	501	0.290	0.270	+7.4		10211	505	0.500	0.480	+4.2	
10113	504	0.400	0.380	+5.3		10145	503	0.310	0.290	+6.9		10220	501	3.290	3.160	+4.1	
10113	505	0.450	0.430	+4.7		10145	504	0.370	0.340	+8.8		10220	503	4.050	3.980	+1.8	
10115	501	0.500	0.480	+4.2		10145	505	0.350	0.320	+9.4		10220	504	5.180	4.960	+4.4	
10115	503	0.610	0.600	+1.7		10146	501	0.520	0.480	+8.3		10220	505	5.860	5.680	+3.2	
10115	504	0.790	0.750	+5.3		10146	503	0.510	0.490	+4.1		10255	501	0.220	0.250	-12.0	
10115	505	0.890	0.860	+3.5		10146	504	0.350	0.330	+6.1		10255	503	0.260	0.300	-13.3	
10117	501	6.590	5.860	+12.5		10146	505	0.520	0.490	+6.1		10255	504	0.235	0.270	-13.0	
10117	503	5.470	4.980	+9.8		10150	501	0.350	0.330	+6.1		10255	505	0.188	0.214	-12.1	
10117	504	5.800	5.150	+12.6		10150	503	0.430	0.420	+2.4		10256	501	0.810	0.920	-12.0	
10117	505	6.430	5.780	+11.2		10150	504	0.540	0.520	+3.8		10256	503	0.950	1.090	-12.8	
10120	501	14.800	13.100	+13.0		10150	505	0.620	0.600	+3.3		10256	504	0.860	0.980	-12.2	
10120	503	12.300	11.200	+9.8		10151	501	8.710	8.370	+4.1		10256	505	0.690	0.780	-11.5	
10120	504	13.000	11.500	+13.0		10151	503	10.700	10.500	+1.9		10257	501	0.152	0.174	-12.6	
10120	505	14.400	13.000	+10.8		10151	504	13.700	13.100	+4.6		10257	503	0.180	0.205	-12.2	
10130	501	2.470	2.370	+4.2		10151	505	15.500	15.000	+3.3		10257	504	0.162	0.186	-12.9	
10130	503	3.040	2.990	+1.7		10160	501	1.550	1.490	+4.0		10257	505	0.130	0.148	-12.2	
10130	504	3.890	3.720	+4.6		10160	503	1.910	1.880	+1.6		10309	501	0.113	0.108	+4.6	
10130	505	4.400	4.270	+3.0		10160	504	2.440	2.340	+4.3		10309	503	0.139	0.137	+1.5	
10132	501	2.130	2.050	+3.9		10160	505	2.760	2.680	+3.0		10309	504	0.178	0.170	+4.7	
10132	503	2.620	2.580	+1.6		10204	501	0.157	0.150	+4.7		10309	505	0.201	0.195	+3.1	
10132	504	3.350	3.210	+4.4		10204	503	0.193	0.190	+1.6		10315	501	0.270	0.260	+3.8	
10132	505	3.790	3.670	+3.3		10204	504	0.246	0.236	+4.2		10315	503	0.330	0.320	+3.1	
10133	501	4.720	4.260	+10.8		10204	505	0.280	0.270	+3.7		10315	504	0.420	0.400	+5.0	
10133	503	4.480	4.130	+8.5		10205	501	0.175	0.168	+4.2		10315	505	0.470	0.460	+2.2	
10133	504	4.160	3.740	+11.2		10205	503	0.215	0.212	+1.4		10331	501	9.000	8.000	+12.5	
10133	505	3.370	3.080	+9.4		10205	504	0.280	0.260	+7.7		10331	503	7.460	6.790	+9.9	
10140	501	0.030	0.028	+7.1		10205	505	0.310	0.300	+3.3		10331	504	7.920	7.030	+12.7	
10140	503	0.032	0.030	+6.7		10210	501	0.280	0.270	+3.7		10331	505	8.780	7.900	+11.1	
10140	504	0.039	0.035	+11.4		10210	503	0.350	0.340	+2.9		10332	501	15.500	13.800	+12.3	
10140	505	0.036	0.033	+9.1		10210	504	0.440	0.420	+4.8		10332	503	12.900	11.700	+10.3	
10141	501	0.061	0.055	+10.9		10210	505	0.500	0.480	+4.2		10332	504	13.700	12.100	+13.2	
10141	503	0.064	0.059	+8.5		10211	501	0.280	0.270	+3.7		10332	505	15.200	13.600	+11.8	
10141	504	0.077	0.070	+10.0		10211	503	0.350	0.340	+2.9		10352	501	0.670	0.630	+6.3	
10141	505	0.072	0.067	+7.5		10211	504	0.440	0.420	+4.8		10352	503	0.670	0.640	+4.7	

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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
10352	504	0.460	0.430	+7.0		11039	503	0.950	1.090	-12.8		11201	501	13.100	15.100	-13.2	
10352	505	0.670	0.640	+4.7		11039	504	0.860	0.980	-12.2		11201	503	14.200	16.400	-13.4	
10367	501	3.510	4.060	-13.5		11039	505	0.690	0.780	-11.5		11201	504	9.690	11.200	-13.5	
10367	503	3.820	4.410	-13.4		11052	501	4.910	4.430	+10.8		11201	505	15.100	17.400	-13.2	
10367	504	2.600	3.010	-13.6		11052	503	4.660	4.300	+8.4		11202	501	3.860	4.470	-13.6	
10367	505	4.050	4.670	-13.3		11052	504	4.330	3.890	+11.3		11202	503	4.200	4.860	-13.6	
10368	501	5.130	5.930	-13.5		11052	505	3.510	3.200	+9.7		11202	504	2.870	3.310	-13.3	
10368	503	5.580	6.450	-13.5		11126	501	0.044	0.042	+4.8		11202	505	4.460	5.140	-13.2	
10368	504	3.810	4.390	-13.2		11126	503	0.054	0.053	+1.9		11203	501	0.630	0.580	+8.6	
10368	505	5.920	6.820	-13.2		11126	504	0.069	0.066	+4.5		11203	503	0.830	0.780	+6.4	
10378	501	9.110	8.100	+12.5		11126	505	0.078	0.075	+4.0		11203	504	0.630	0.580	+8.6	
10378	503	7.550	6.880	+9.7		11127	501	0.270	0.249	+8.4		11203	505	0.960	0.890	+7.9	
10378	504	8.020	7.110	+12.8		11127	503	0.360	0.340	+5.9		11204	501	0.218	0.210	+3.8	
10378	505	8.890	8.000	+11.1		11127	504	0.270	0.249	+8.4		11204	503	0.270	0.260	+3.8	
10379	501	4.230	3.760	+12.5		11127	505	0.410	0.380	+7.9		11204	504	0.340	0.330	+3.0	
10379	503	3.510	3.190	+10.0		11128	501	0.370	0.340	+8.8		11204	505	0.390	0.380	+2.6	
10379	504	3.720	3.300	+12.7		11128	503	0.480	0.450	+6.7		11206	501	0.610	0.700	-12.9	
10379	505	4.130	3.710	+11.3		11128	504	0.370	0.340	+8.8		11206	503	0.660	0.760	-13.2	
10380	501	7.220	6.420	+12.5		11128	505	0.560	0.520	+7.7		11206	504	0.450	0.520	-13.5	
10380	503	5.990	5.450	+9.9		11138	501	2.250	2.000	+12.5		11206	505	0.700	0.810	-13.6	
10380	504	6.360	5.640	+12.8		11138	503	1.870	1.700	+10.0		11207	501	7.650	8.850	-13.6	
10380	505	7.050	6.340	+11.2		11138	504	1.980	1.760	+12.5		11207	503	8.320	9.620	-13.5	
10381	501	6.250	5.560	+12.4		11138	505	2.200	1.970	+11.7		11207	504	5.680	6.560	-13.4	
10381	503	5.190	4.720	+10.0		11155	501	0.149	0.143	+4.2		11207	505	8.830	10.200	-13.4	
10381	504	5.510	4.880	+12.9		11155	503	0.184	0.181	+1.7		11208	501	1.310	1.520	-13.8	
10381	505	6.100	5.490	+11.1		11155	504	0.235	0.225	+4.4		11208	503	1.430	1.650	-13.3	
11007	501	1.490	1.730	-13.9		11155	505	0.270	0.260	+3.8		11208	504	0.970	1.120	-13.4	
11007	503	1.620	1.880	-13.8		11167	501	1.130	1.020	+10.8		11208	505	1.510	1.740	-13.2	
11007	504	1.110	1.280	-13.3		11167	503	1.070	0.990	+8.1		11209	501	6.160	7.120	-13.5	
11007	505	1.720	1.990	-13.6		11167	504	1.000	0.900	+11.1		11209	503	6.700	7.740	-13.4	
11020	501	0.211	0.203	+3.9		11167	505	0.810	0.740	+9.5		11209	504	4.570	5.280	-13.4	
11020	503	0.260	0.260	0.0		11168	501	5.870	5.300	+10.8		11209	505	7.110	8.190	-13.2	
11020	504	0.330	0.320	+3.1		11168	503	5.560	5.140	+8.2		11210	501	2.620	3.030	-13.5	
11020	505	0.380	0.360	+5.6		11168	504	5.170	4.640	+11.4		11210	503	2.850	3.300	-13.6	
11039	501	0.800	0.920	-13.0		11168	505	4.190	3.830	+9.4		11210	504	1.950	2.250	-13.3	

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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
11210	505	3.030	3.490	-13.2		11259	504	1.010	0.940	+7.4		12374	503	0.530	0.520	+1.9	
11211	501	13.600	15.800	-13.9		11259	505	1.490	1.410	+5.7		12374	504	0.680	0.650	+4.6	
11211	503	14.800	17.100	-13.5		11273	501	9.750	9.360	+4.2		12374	505	0.760	0.740	+2.7	
11211	504	10.100	11.700	-13.7		11273	503	12.000	11.800	+1.7		12375	501	0.211	0.203	+3.9	
11211	505	15.700	18.100	-13.3		11273	504	15.300	14.700	+4.1		12375	503	0.260	0.260	0.0	
11212	501	2.060	2.380	-13.4		11273	505	17.300	16.800	+3.0		12375	504	0.330	0.320	+3.1	
11212	503	2.240	2.590	-13.5		11274	501	9.350	8.990	+4.0		12375	505	0.380	0.360	+5.6	
11212	504	1.530	1.770	-13.6		11274	503	11.500	11.300	+1.8		12391	501	0.040	0.037	+8.1	
11212	505	2.380	2.740	-13.1		11274	504	14.700	14.100	+4.3		12391	503	0.053	0.050	+6.0	
11213	501	1.680	1.940	-13.4		11274	505	16.600	16.100	+3.1		12391	504	0.040	0.037	+8.1	
11213	503	1.830	2.110	-13.3		11288	501	1.710	1.600	+6.9		12391	505	0.061	0.057	+7.0	
11213	504	1.250	1.440	-13.2		11288	503	1.690	1.620	+4.3		12393	501	0.280	0.270	+3.7	
11213	505	1.940	2.240	-13.4		11288	504	1.160	1.080	+7.4		12393	503	0.350	0.340	+2.9	
11214	501	4.140	4.790	-13.6		11288	505	1.710	1.620	+5.6		12393	504	0.440	0.420	+4.8	
11214	503	4.500	5.210	-13.6		12014	501	0.090	0.103	-12.6		12393	505	0.500	0.480	+4.2	
11214	504	3.070	3.550	-13.5		12014	503	0.107	0.122	-12.3		12467	501	0.116	0.112	+3.6	
11214	505	4.780	5.510	-13.2		12014	504	0.096	0.110	-12.7		12467	503	0.143	0.141	+1.4	
11222	501	0.070	0.081	-13.6		12014	505	0.077	0.088	-12.5		12467	504	0.183	0.175	+4.6	
11222	503	0.076	0.088	-13.6		12356	501	0.830	0.790	+5.1		12467	505	0.207	0.201	+3.0	
11222	504	0.052	0.060	-13.3		12356	503	1.020	1.000	+2.0		12509	501	0.055	0.063	-12.7	
11222	505	0.080	0.093	-14.0		12356	504	1.300	1.240	+4.8		12509	503	0.065	0.074	-12.2	
11234	501	0.197	0.189	+4.2		12356	505	1.470	1.430	+2.8		12509	504	0.059	0.067	-11.9	
11234	503	0.242	0.238	+1.7		12361	501	0.066	0.060	+10.0		12509	505	0.047	0.054	-13.0	
11234	504	0.310	0.300	+3.3		12361	503	0.070	0.065	+7.7		12510	501	0.700	0.800	-12.5	
11234	505	0.350	0.340	+2.9		12361	504	0.084	0.076	+10.5		12510	503	0.830	0.940	-11.7	
11248	501	0.042	0.048	-12.5		12361	505	0.079	0.072	+9.7		12510	504	0.740	0.850	-12.9	
11248	503	0.050	0.057	-12.3		12362	501	0.054	0.049	+10.2		12510	505	0.600	0.680	-11.8	
11248	504	0.045	0.051	-11.8		12362	503	0.070	0.066	+6.1		12583	501	0.310	0.350	-11.4	
11248	505	0.036	0.041	-12.2		12362	504	0.054	0.049	+10.2		12583	503	0.370	0.420	-11.9	
11258	501	1.390	1.300	+6.9		12362	505	0.082	0.076	+7.9		12583	504	0.330	0.380	-13.2	
11258	503	1.380	1.330	+3.8		12373	501	0.020	0.019	+5.3		12583	505	0.260	0.300	-13.3	
11258	504	0.940	0.880	+6.8		12373	503	0.027	0.025	+8.0		12651	501	0.900	1.030	-12.6	
11258	505	1.390	1.320	+5.3		12373	504	0.020	0.019	+5.3		12651	503	1.070	1.220	-12.3	
11259	501	1.500	1.400	+7.1		12373	505	0.031	0.029	+6.9		12651	504	0.960	1.110	-13.5	
11259	503	1.480	1.420	+4.2		12374	501	0.430	0.410	+4.9		12651	505	0.770	0.880	-12.5	

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12683	501	0.410	0.470	-12.8		13112	505	0.067	0.061	+9.8		13453	504	0.530	0.600	-11.7	
12683	503	0.490	0.560	-12.5		13201	501	0.800	0.910	-12.1		13453	505	0.420	0.480	-12.5	
12683	504	0.440	0.510	-13.7		13201	503	0.950	1.080	-12.0		13454	501	0.580	0.660	-12.1	
12683	505	0.350	0.400	-12.5		13201	504	0.850	0.980	-13.3		13454	503	0.680	0.780	-12.8	
12707	501	0.350	0.320	+9.4		13201	505	0.680	0.780	-12.8		13454	504	0.620	0.700	-11.4	
12707	503	0.460	0.430	+7.0		13204	501	0.900	1.030	-12.6		13454	505	0.490	0.560	-12.5	
12707	504	0.350	0.320	+9.4		13204	503	1.070	1.220	-12.3		13455	501	0.590	0.670	-11.9	
12707	505	0.530	0.500	+6.0		13204	504	0.960	1.110	-13.5		13455	503	0.690	0.790	-12.7	
12797	501	0.074	0.068	+8.8		13204	505	0.770	0.880	-12.5		13455	504	0.620	0.720	-13.9	
12797	503	0.097	0.091	+6.6		13205	501	0.350	0.400	-12.5		13455	505	0.500	0.570	-12.3	
12797	504	0.074	0.068	+8.8		13205	503	0.410	0.470	-12.8		13506	501	0.640	0.620	+3.2	
12797	505	0.113	0.105	+7.6		13205	504	0.370	0.430	-14.0		13506	503	0.790	0.780	+1.3	
12805	501	0.226	0.217	+4.1		13205	505	0.300	0.340	-11.8		13506	504	1.010	0.970	+4.1	
12805	503	0.280	0.270	+3.7		13314	501	0.084	0.080	+5.0		13506	505	1.140	1.110	+2.7	
12805	504	0.360	0.340	+5.9		13314	503	0.103	0.101	+2.0		13507	501	0.770	0.740	+4.1	
12805	505	0.400	0.390	+2.6		13314	504	0.132	0.126	+4.8		13507	503	0.950	0.930	+2.2	
12841	501	0.370	0.360	+2.8		13314	505	0.149	0.144	+3.5		13507	504	1.220	1.160	+5.2	
12841	503	0.460	0.450	+2.2		13351	501	0.204	0.196	+4.1		13507	505	1.370	1.330	+3.0	
12841	504	0.590	0.560	+5.4		13351	503	0.250	0.247	+1.2		13590	501	0.440	0.500	-12.0	
12841	505	0.670	0.650	+3.1		13351	504	0.320	0.310	+3.2		13590	503	0.520	0.590	-11.9	
12927	501	0.066	0.063	+4.8		13351	505	0.360	0.350	+2.9		13590	504	0.460	0.530	-13.2	
12927	503	0.081	0.079	+2.5		13352	501	0.207	0.199	+4.0		13590	505	0.370	0.420	-11.9	
12927	504	0.103	0.099	+4.0		13352	503	0.260	0.250	+4.0		13621	501	0.110	0.126	-12.7	
12927	505	0.117	0.113	+3.5		13352	504	0.330	0.310	+6.5		13621	503	0.130	0.149	-12.8	
13049	501	0.034	0.031	+9.7		13352	505	0.370	0.360	+2.8		13621	504	0.117	0.135	-13.3	
13049	503	0.036	0.034	+5.9		13410	501	1.270	1.450	-12.4		13621	505	0.094	0.107	-12.1	
13049	504	0.044	0.039	+12.8		13410	503	1.500	1.710	-12.3		13670	501	0.037	0.034	+8.8	
13049	505	0.041	0.038	+7.9		13410	504	1.350	1.550	-12.9		13670	503	0.039	0.036	+8.3	
13111	501	1.290	1.210	+6.6		13410	505	1.080	1.230	-12.2		13670	504	0.047	0.043	+9.3	
13111	503	1.280	1.230	+4.1		13412	501	0.430	0.490	-12.2		13670	505	0.044	0.041	+7.3	
13111	504	0.870	0.820	+6.1		13412	503	0.510	0.580	-12.1		13673	501	1.060	0.990	+7.1	
13111	505	1.290	1.220	+5.7		13412	504	0.460	0.520	-11.5		13673	503	1.050	1.000	+5.0	
13112	501	0.056	0.051	+9.8		13412	505	0.360	0.420	-14.3		13673	504	0.720	0.670	+7.5	
13112	503	0.059	0.055	+7.3		13453	501	0.490	0.560	-12.5		13673	505	1.060	1.000	+6.0	
13112	504	0.072	0.065	+10.8		13453	503	0.580	0.670	-13.4		13715	501	0.054	0.049	+10.2	

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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
13715	503	0.070	0.066	+6.1		14405	501	0.880	1.010	-12.9		14913	505	0.410	0.400	+2.5	
13715	504	0.054	0.049	+10.2		14405	503	0.950	1.100	-13.6		15062	501	0.174	0.199	-12.6	
13715	505	0.082	0.076	+7.9		14405	504	0.650	0.750	-13.3		15062	503	0.206	0.235	-12.3	
13716	501	0.320	0.300	+6.7		14405	505	1.010	1.170	-13.7		15062	504	0.185	0.213	-13.1	
13716	503	0.390	0.380	+2.6		14527	501	0.219	0.200	+9.5		15062	505	0.148	0.169	-12.4	
13716	504	0.500	0.480	+4.2		14527	503	0.290	0.270	+7.4		15063	501	0.203	0.231	-12.1	
13716	505	0.560	0.550	+1.8		14527	504	0.219	0.200	+9.5		15063	503	0.240	0.270	-11.1	
13720	501	0.600	0.560	+7.1		14527	505	0.330	0.310	+6.5		15063	504	0.216	0.248	-12.9	
13720	503	0.590	0.570	+3.5		14655	501	0.062	0.059	+5.1		15063	505	0.173	0.197	-12.2	
13720	504	0.400	0.380	+5.3		14655	503	0.076	0.075	+1.3		15070	501	0.118	0.136	-13.2	
13720	505	0.600	0.560	+7.1		14655	504	0.097	0.093	+4.3		15070	503	0.128	0.148	-13.5	
13759	501	0.124	0.119	+4.2		14655	505	0.110	0.107	+2.8		15070	504	0.087	0.101	-13.9	
13759	503	0.152	0.150	+1.3		14731	501	4.870	4.400	+10.7		15070	505	0.136	0.156	-12.8	
13759	504	0.195	0.186	+4.8		14731	503	4.620	4.270	+8.2		15123	501	4.710	4.250	+10.8	
13759	505	0.220	0.214	+2.8		14731	504	4.290	3.860	+11.1		15123	503	4.460	4.120	+8.3	
13930	501	0.114	0.105	+8.6		14731	505	3.480	3.180	+9.4		15123	504	4.150	3.730	+11.3	
13930	503	0.150	0.141	+6.4		14732	501	0.360	0.330	+9.1		15123	505	3.360	3.070	+9.4	
13930	504	0.114	0.105	+8.6		14732	503	0.340	0.320	+6.3		15124	501	1.650	1.490	+10.7	
13930	505	0.174	0.161	+8.1		14732	504	0.320	0.290	+10.3		15124	503	1.560	1.440	+8.3	
14068	501	0.027	0.026	+3.8		14732	505	0.260	0.235	+10.6		15124	504	1.450	1.300	+11.5	
14068	503	0.034	0.033	+3.0		14733	501	0.430	0.420	+2.4		15124	505	1.180	1.070	+10.3	
14068	504	0.043	0.041	+4.9		14733	503	0.530	0.520	+1.9		15188	501	0.310	0.350	-11.4	
14068	505	0.049	0.047	+4.3		14733	504	0.680	0.650	+4.6		15188	503	0.360	0.410	-12.2	
14101	501	0.320	0.310	+3.2		14733	505	0.770	0.750	+2.7		15188	504	0.330	0.370	-10.8	
14101	503	0.390	0.390	0.0		14734	501	0.186	0.178	+4.5		15188	505	0.260	0.300	-13.3	
14101	504	0.500	0.480	+4.2		14734	503	0.229	0.225	+1.8		15223	501	0.044	0.040	+10.0	
14101	505	0.570	0.550	+3.6		14734	504	0.290	0.280	+3.6		15223	503	0.046	0.043	+7.0	
14279	501	0.420	0.480	-12.5		14734	505	0.330	0.320	+3.1		15223	504	0.056	0.050	+12.0	
14279	503	0.500	0.570	-12.3		14855	501	0.194	0.221	-12.2		15223	505	0.052	0.048	+8.3	
14279	504	0.450	0.510	-11.8		14855	503	0.229	0.260	-11.9		15224	501	0.630	0.590	+6.8	
14279	505	0.360	0.410	-12.2		14855	504	0.207	0.237	-12.7		15224	503	0.620	0.600	+3.3	
14401	501	1.410	1.310	+7.6		14855	505	0.165	0.189	-12.7		15224	504	0.430	0.400	+7.5	
14401	503	1.390	1.340	+3.7		14913	501	0.233	0.224	+4.0		15224	505	0.630	0.600	+5.0	
14401	504	0.950	0.890	+6.7		14913	503	0.290	0.280	+3.6		15314	501	0.149	0.143	+4.2	
14401	505	1.400	1.330	+5.3		14913	504	0.370	0.350	+5.7		15314	503	0.184	0.181	+1.7	

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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
15314	504	0.235	0.225	+4.4		15656	503	5.430	5.340	+1.7		16403	501	0.630	0.600	+5.0	
15314	505	0.270	0.260	+3.8		15656	504	6.940	6.640	+4.5		16403	503	0.770	0.760	+1.3	
15404	501	0.079	0.091	-13.2		15656	505	7.850	7.610	+3.2		16403	504	0.990	0.940	+5.3	
15404	503	0.094	0.107	-12.1		15699	501	0.380	0.440	-13.6		16403	505	1.110	1.080	+2.8	
15404	504	0.085	0.097	-12.4		15699	503	0.410	0.480	-14.6		16404	501	0.790	0.760	+3.9	
15404	505	0.068	0.077	-11.7		15699	504	0.280	0.330	-15.2		16404	503	0.970	0.960	+1.0	
15405	501	0.117	0.133	-12.0		15699	505	0.440	0.510	-13.7		16404	504	1.240	1.190	+4.2	
15405	503	0.138	0.158	-12.7		15733	501	0.194	0.221	-12.2		16404	505	1.410	1.360	+3.7	
15405	504	0.124	0.143	-13.3		15733	503	0.229	0.260	-11.9		16471	501	0.217	0.250	-13.2	
15405	505	0.100	0.114	-12.3		15733	504	0.207	0.237	-12.7		16471	503	0.236	0.270	-12.6	
15406	501	0.300	0.340	-11.8		15733	505	0.165	0.189	-12.7		16471	504	0.161	0.186	-13.4	
15406	503	0.350	0.400	-12.5		15839	501	0.200	0.192	+4.2		16471	505	0.250	0.290	-13.8	
15406	504	0.320	0.360	-11.1		15839	503	0.246	0.242	+1.7		16501	501	0.060	0.055	+9.1	
15406	505	0.250	0.290	-13.8		15839	504	0.320	0.300	+6.7		16501	503	0.079	0.074	+6.8	
15488	501	0.740	0.850	-12.9		15839	505	0.360	0.350	+2.9		16501	504	0.060	0.055	+9.1	
15488	503	0.880	1.000	-12.0		15991	501	0.164	0.157	+4.5		16501	505	0.091	0.085	+7.1	
15488	504	0.790	0.910	-13.2		15991	503	0.202	0.198	+2.0		16527	501	0.092	0.085	+8.2	
15488	505	0.630	0.720	-12.5		15991	504	0.260	0.247	+5.3		16527	503	0.121	0.114	+6.1	
15538	501	0.270	0.260	+3.8		15991	505	0.290	0.280	+3.6		16527	504	0.092	0.084	+9.5	
15538	503	0.330	0.320	+3.1		15993	501	0.138	0.133	+3.8		16527	505	0.140	0.130	+7.7	
15538	504	0.420	0.400	+5.0		15993	503	0.170	0.167	+1.8		16588	501	0.110	0.126	-12.7	
15538	505	0.470	0.460	+2.2		15993	504	0.218	0.208	+4.8		16588	503	0.130	0.149	-12.8	
15600	501	0.670	0.640	+4.7		15993	505	0.246	0.239	+2.9		16588	504	0.117	0.135	-13.3	
15600	503	0.820	0.810	+1.2		16005	501	0.028	0.026	+7.7		16588	505	0.094	0.107	-12.1	
15600	504	1.050	1.010	+4.0		16005	503	0.037	0.035	+5.7		16604	501	0.185	0.211	-12.3	
15600	505	1.190	1.160	+2.6		16005	504	0.028	0.026	+7.7		16604	503	0.219	0.250	-12.4	
15607	501	0.154	0.178	-13.5		16005	505	0.043	0.040	+7.5		16604	504	0.197	0.226	-12.8	
15607	503	0.167	0.193	-13.5		16009	501	0.238	0.270	-11.9		16604	505	0.158	0.180	-12.2	
15607	504	0.114	0.132	-13.6		16009	503	0.280	0.320	-12.5		16670	501	3.730	3.320	+12.3	
15607	505	0.178	0.205	-13.2		16009	504	0.250	0.290	-13.8		16670	503	3.100	2.820	+9.9	
15608	501	0.149	0.143	+4.2		16009	505	0.203	0.231	-12.1		16670	504	3.290	2.920	+12.7	
15608	503	0.184	0.181	+1.7		16402	501	0.990	0.950	+4.2		16670	505	3.650	3.280	+11.3	
15608	504	0.235	0.225	+4.4		16402	503	1.220	1.200	+1.7		16676	501	0.207	0.199	+4.0	
15608	505	0.270	0.260	+3.8		16402	504	1.560	1.490	+4.7		16676	503	0.260	0.250	+4.0	
15656	501	4.410	4.240	+4.0		16402	505	1.760	1.710	+2.9		16676	504	0.330	0.310	+6.5	

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16676	505	0.370	0.360	+2.8		16891	504	0.143	0.164	-12.8		16915	503	1.490	1.410	+5.7	
16694	501	0.370	0.420	-11.9		16891	505	0.115	0.131	-12.2		16915	504	1.580	1.460	+8.2	
16694	503	0.430	0.490	-12.2		16892	501	0.244	0.280	-12.9		16915	505	1.740	1.620	+7.4	
16694	504	0.390	0.450	-13.3		16892	503	0.290	0.330	-12.1		16916	501	1.290	1.190	+8.4	
16694	505	0.310	0.360	-13.9		16892	504	0.260	0.300	-13.3		16916	503	1.240	1.170	+6.0	
16705	501	0.171	0.157	+8.9		16892	505	0.208	0.238	-12.6		16916	504	1.320	1.210	+9.1	
16705	503	0.225	0.211	+6.6		16900	501	2.520	2.320	+8.6		16916	505	1.450	1.350	+7.4	
16705	504	0.171	0.157	+8.9		16900	503	2.420	2.290	+5.7		16920	501	3.430	3.160	+8.5	
16705	505	0.260	0.242	+7.4		16900	504	2.570	2.360	+8.9		16920	503	3.300	3.130	+5.4	
16750	501	0.073	0.070	+4.3		16900	505	2.830	2.630	+7.6		16920	504	3.510	3.230	+8.7	
16750	503	0.090	0.088	+2.3		16901	501	1.610	1.490	+8.1		16920	505	3.850	3.590	+7.2	
16750	504	0.115	0.110	+4.5		16901	503	1.550	1.470	+5.4		16921	501	3.130	2.890	+8.3	
16750	505	0.130	0.126	+3.2		16901	504	1.650	1.520	+8.6		16921	503	3.020	2.860	+5.6	
16751	501	0.073	0.070	+4.3		16901	505	1.810	1.690	+7.1		16921	504	3.210	2.950	+8.8	
16751	503	0.090	0.088	+2.3		16902	501	1.370	1.260	+8.7		16921	505	3.520	3.280	+7.3	
16751	504	0.115	0.110	+4.5		16902	503	1.320	1.250	+5.6		16930	501	1.970	1.820	+8.2	
16751	505	0.130	0.126	+3.2		16902	504	1.400	1.290	+8.5		16930	503	1.900	1.800	+5.6	
16819	501	1.050	1.200	-12.5		16902	505	1.540	1.430	+7.7		16930	504	2.020	1.860	+8.6	
16819	503	1.250	1.420	-12.0		16905	501	2.640	2.440	+8.2		16930	505	2.220	2.060	+7.8	
16819	504	1.120	1.290	-13.2		16905	503	2.550	2.410	+5.8		16931	501	2.130	1.960	+8.7	
16819	505	0.900	1.020	-11.8		16905	504	2.700	2.490	+8.4		16931	503	2.050	1.940	+5.7	
16820	501	0.810	0.930	-12.9		16905	505	2.970	2.760	+7.6		16931	504	2.180	2.000	+9.0	
16820	503	0.960	1.100	-12.7		16906	501	1.690	1.560	+8.3		16931	505	2.390	2.220	+7.7	
16820	504	0.870	1.000	-13.0		16906	503	1.630	1.540	+5.8		16940	501	4.280	3.950	+8.4	
16820	505	0.690	0.790	-12.7		16906	504	1.730	1.590	+8.8		16940	503	4.120	3.900	+5.6	
16881	501	1.140	1.090	+4.6		16906	505	1.900	1.770	+7.3		16940	504	4.380	4.030	+8.7	
16881	503	1.400	1.380	+1.4		16910	501	1.510	1.390	+8.6		16940	505	4.810	4.480	+7.4	
16881	504	1.790	1.720	+4.1		16910	503	1.450	1.370	+5.8		16941	501	1.720	1.580	+8.9	
16881	505	2.030	1.970	+3.0		16910	504	1.540	1.420	+8.5		16941	503	1.650	1.560	+5.8	
16890	501	0.123	0.141	-12.8		16910	505	1.700	1.580	+7.6		16941	504	1.750	1.610	+8.7	
16890	503	0.146	0.167	-12.6		16911	501	1.370	1.260	+8.7		16941	505	1.930	1.790	+7.8	
16890	504	0.131	0.151	-13.2		16911	503	1.320	1.250	+5.6		18078	501	0.097	0.089	+9.0	
16890	505	0.105	0.120	-12.5		16911	504	1.400	1.290	+8.5		18078	503	0.128	0.120	+6.7	
16891	501	0.134	0.153	-12.4		16911	505	1.540	1.430	+7.7		18078	504	0.097	0.089	+9.0	
16891	503	0.159	0.182	-12.6		16915	501	1.550	1.430	+8.4		18078	505	0.148	0.137	+8.0	

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LOSS COST PERCENT CHANGE BY CLASS

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18109	501	0.270	0.260	+3.8		18438	505	1.240	1.210	+2.5		18834	504	0.330	0.310	+6.5	
18109	503	0.340	0.330	+3.0		18501	501	1.120	1.050	+6.7		18834	505	0.370	0.360	+2.8	
18109	504	0.430	0.410	+4.9		18501	503	1.110	1.070	+3.7		18911	501	0.660	0.630	+4.8	
18109	505	0.490	0.470	+4.3		18501	504	0.760	0.710	+7.0		18911	503	0.810	0.790	+2.5	
18110	501	0.218	0.210	+3.8		18501	505	1.120	1.060	+5.7		18911	504	1.030	0.990	+4.0	
18110	503	0.270	0.260	+3.8		18506	501	0.390	0.440	-11.4		18911	505	1.170	1.130	+3.5	
18110	504	0.340	0.330	+3.0		18506	503	0.460	0.520	-11.5		18912	501	1.230	1.190	+3.4	
18110	505	0.390	0.380	+2.6		18506	504	0.410	0.470	-12.8		18912	503	1.520	1.490	+2.0	
18205	501	0.150	0.137	+9.5		18506	505	0.330	0.380	-13.2		18912	504	1.940	1.860	+4.3	
18205	503	0.197	0.185	+6.5		18507	501	0.131	0.126	+4.0		18912	505	2.200	2.130	+3.3	
18205	504	0.150	0.137	+9.5		18507	503	0.161	0.159	+1.3		18920	501	0.320	0.310	+3.2	
18205	505	0.228	0.211	+8.1		18507	504	0.206	0.197	+4.6		18920	503	0.390	0.390	0.0	
18206	501	0.350	0.340	+2.9		18507	505	0.233	0.226	+3.1		18920	504	0.500	0.480	+4.2	
18206	503	0.430	0.430	0.0		18570	501	1.370	1.320	+3.8		18920	505	0.570	0.550	+3.6	
18206	504	0.560	0.530	+5.7		18570	503	1.680	1.660	+1.2		19007	501	1.840	1.660	+10.8	
18206	505	0.630	0.610	+3.3		18570	504	2.160	2.060	+4.9		19007	503	1.750	1.610	+8.7	
18335	501	0.250	0.245	+2.0		18570	505	2.440	2.360	+3.4		19007	504	1.620	1.460	+11.0	
18335	503	0.310	0.310	0.0		18616	501	0.300	0.340	-11.8		19007	505	1.310	1.200	+9.2	
18335	504	0.400	0.380	+5.3		18616	503	0.350	0.400	-12.5		19051	501	4.080	3.680	+10.9	
18335	505	0.450	0.440	+2.3		18616	504	0.310	0.360	-13.9		19051	503	3.870	3.570	+8.4	
18435	501	1.230	1.150	+7.0		18616	505	0.250	0.290	-13.8		19051	504	3.600	3.230	+11.5	
18435	503	1.210	1.170	+3.4		18707	501	0.008	0.007	+14.3		19051	505	2.910	2.660	+9.4	
18435	504	0.830	0.770	+7.8		18707	503	0.011	0.010	+10.0		19795	501	0.215	0.206	+4.4	
18435	505	1.220	1.160	+5.2		18707	504	0.008	0.007	+14.3		19795	503	0.260	0.260	0.0	
18436	501	0.990	0.920	+7.6		18707	505	0.012	0.011	+9.1		19795	504	0.340	0.320	+6.3	
18436	503	0.980	0.940	+4.3		18708	501	0.080	0.077	+3.9		19795	505	0.380	0.370	+2.7	
18436	504	0.670	0.620	+8.1		18708	503	0.099	0.097	+2.1		19796	501	0.250	0.241	+3.7	
18436	505	0.990	0.940	+5.3		18708	504	0.126	0.121	+4.1		19796	503	0.310	0.300	+3.3	
18437	501	0.360	0.350	+2.9		18708	505	0.143	0.138	+3.6		19796	504	0.400	0.380	+5.3	
18437	503	0.450	0.440	+2.3		18833	501	0.096	0.088	+9.1		19796	505	0.450	0.430	+4.7	
18437	504	0.570	0.550	+3.6		18833	503	0.126	0.119	+5.9		40045	501	207.000	184.000	+12.5	
18437	505	0.650	0.630	+3.2		18833	504	0.096	0.088	+9.1		40045	503	172.000	156.000	+10.3	
18438	501	0.700	0.670	+4.5		18833	505	0.146	0.136	+7.4		40045	504	182.000	161.000	+13.0	
18438	503	0.860	0.850	+1.2		18834	501	0.207	0.199	+4.0		40045	505	202.000	182.000	+11.0	
18438	504	1.100	1.050	+4.8		18834	503	0.260	0.250	+4.0		40046	501	40.900	36.300	+12.7	

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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
40046	503	33.900	30.900	+9.7		40111	501	7.330	6.520	+12.4		41650	505	16.100	14.700	+9.5	
40046	504	36.000	31.900	+12.9		40111	503	6.080	5.540	+9.7		41664	501	31.300	27.800	+12.6	
40046	505	39.900	35.900	+11.1		40111	504	6.460	5.730	+12.7		41664	503	26.000	23.600	+10.2	
40047	501	14.600	13.000	+12.3		40111	505	7.160	6.440	+11.2		41664	504	27.600	24.400	+13.1	
40047	503	12.100	11.000	+10.0		41001	501	0.247	0.220	+12.3		41664	505	30.600	27.500	+11.3	
40047	504	12.800	11.400	+12.3		41001	503	0.205	0.187	+9.6		41665	501	3.670	3.260	+12.6	
40047	505	14.200	12.800	+10.9		41001	504	0.218	0.193	+13.0		41665	503	3.040	2.770	+9.7	
40059	501	5.220	4.640	+12.5		41001	505	0.242	0.217	+11.5		41665	504	3.230	2.860	+12.9	
40059	503	4.330	3.940	+9.9		41421	501	0.500	0.450	+11.1		41665	505	3.580	3.220	+11.2	
40059	504	4.600	4.070	+13.0		41421	503	0.550	0.510	+7.8		41667	501	85.600	76.100	+12.5	
40059	505	5.090	4.580	+11.1		41421	504	0.270	0.243	+11.1		41667	503	71.000	64.600	+9.9	
40061	501	2.770	2.460	+12.6		41421	505	0.242	0.221	+9.5		41667	504	75.400	66.800	+12.9	
40061	503	2.290	2.090	+9.6		41422	501	0.270	0.242	+11.6		41667	505	83.600	75.100	+11.3	
40061	504	2.440	2.160	+13.0		41422	503	0.290	0.270	+7.4		41668	501	80.200	71.300	+12.5	
40061	505	2.700	2.430	+11.1		41422	504	0.144	0.130	+10.8		41668	503	66.500	60.600	+9.7	
40063	501	92.600	82.300	+12.5		41422	505	0.129	0.118	+9.3		41668	504	70.700	62.600	+12.9	
40063	503	76.800	69.900	+9.9		41510	501	32.900	31.700	+3.8		41668	505	78.300	70.400	+11.2	
40063	504	81.500	72.300	+12.7		41510	503	40.600	39.900	+1.8		41669	501	0.560	0.500	+12.0	
40063	505	90.400	81.300	+11.2		41510	504	51.900	49.600	+4.6		41669	503	0.470	0.420	+11.9	
40064	501	27.200	24.200	+12.4		41510	505	58.600	56.800	+3.2		41669	504	0.500	0.440	+13.6	
40064	503	22.600	20.600	+9.7		41603	501	23.800	21.500	+10.7		41669	505	0.550	0.490	+12.2	
40064	504	24.000	21.300	+12.7		41603	503	25.900	23.900	+8.4		41670	501	0.940	0.840	+11.9	
40064	505	26.600	23.900	+11.3		41603	504	12.800	11.500	+11.3		41670	503	0.780	0.710	+9.9	
40075	501	70.400	62.300	+13.0		41603	505	11.500	10.400	+10.6		41670	504	0.830	0.740	+12.2	
40075	503	35.100	31.900	+10.0		41604	501	13.100	11.800	+11.0		41670	505	0.920	0.830	+10.8	
40075	504	44.300	39.100	+13.3		41604	503	14.200	13.200	+7.6		41677	501	0.226	0.260	-13.1	
40075	505	32.300	28.900	+11.8		41604	504	7.030	6.330	+11.1		41677	503	0.246	0.280	-12.1	
40101	501	15.600	14.300	+9.1		41604	505	6.290	5.740	+9.6		41677	504	0.168	0.194	-13.4	
40101	503	13.300	12.500	+6.4		41620	501	1.090	1.270	-14.2		41677	505	0.260	0.300	-13.3	
40101	504	10.200	9.290	+9.8		41620	503	1.190	1.380	-13.8		41678	501	55.300	50.300	+9.9	
40101	505	16.700	15.400	+8.4		41620	504	0.810	0.940	-13.8		41678	503	42.200	39.400	+7.1	
40102	501	13.800	12.600	+9.5		41620	505	1.260	1.460	-13.7		41678	504	29.500	26.800	+10.1	
40102	503	11.800	11.000	+7.3		41650	501	33.500	30.200	+10.9		41678	505	35.200	32.400	+8.6	
40102	504	8.990	8.200	+9.6		41650	503	36.500	33.700	+8.3		41680	501	17.400	15.700	+10.8	
40102	505	14.800	13.600	+8.8		41650	504	18.000	16.200	+11.1		41680	503	19.000	17.500	+8.6	

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LOSS COST PERCENT CHANGE BY CLASS

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41680	504	9.380	8.430	+11.3		43422	503	95.500	86.700	+10.1		43822	501	3.310	3.830	-13.6	
41680	505	8.390	7.650	+9.7		43422	504	121.000	106.000	+14.2		43822	503	3.600	4.160	-13.5	
41696	501	0.710	0.830	-14.5		43422	505	88.000	78.700	+11.8		43822	504	2.460	2.840	-13.4	
41696	503	0.780	0.900	-13.3		43470	501	4.160	4.810	-13.5		43822	505	3.820	4.400	-13.2	
41696	504	0.530	0.610	-13.1		43470	503	4.520	5.230	-13.6		43840	501	0.041	0.047	-12.8	
41696	505	0.820	0.950	-13.7		43470	504	3.090	3.560	-13.2		43840	503	0.044	0.051	-13.7	
41697	501	0.500	0.580	-13.8		43470	505	4.800	5.530	-13.2		43840	504	0.030	0.035	-14.3	
41697	503	0.540	0.630	-14.3		43518	501	13.400	11.900	+12.6		43840	505	0.047	0.054	-13.0	
41697	504	0.370	0.430	-14.0		43518	503	11.100	10.100	+9.9		43860	501	2.600	3.010	-13.6	
41697	505	0.570	0.660	-13.6		43518	504	11.800	10.500	+12.4		43860	503	2.830	3.270	-13.5	
41715	501	11.100	9.970	+11.3		43518	505	13.100	11.800	+11.0		43860	504	1.930	2.230	-13.5	
41715	503	12.000	11.100	+8.1		43550	501	130.000	115.000	+13.0		43860	505	3.010	3.470	-13.3	
41715	504	5.950	5.350	+11.2		43550	503	64.900	58.900	+10.2		43889	501	0.930	1.080	-13.9	
41715	505	5.330	4.850	+9.9		43550	504	81.900	72.400	+13.1		43889	503	1.010	1.170	-13.7	
41716	501	7.040	6.350	+10.9		43550	505	59.800	53.500	+11.8		43889	504	0.690	0.800	-13.8	
41716	503	7.670	7.080	+8.3		43551	501	72.300	63.900	+13.1		43889	505	1.080	1.240	-12.9	
41716	504	3.790	3.410	+11.1		43551	503	36.000	32.700	+10.1		44009	501	5.740	5.180	+10.8	
41716	505	3.390	3.090	+9.7		43551	504	45.500	40.200	+13.2		44009	503	5.440	5.030	+8.2	
43151	501	35.000	31.000	+12.9		43551	505	33.200	29.700	+11.8		44009	504	5.060	4.540	+11.5	
43151	503	17.500	15.800	+10.8		43626	501	10.700	9.530	+12.3		44009	505	4.100	3.740	+9.6	
43151	504	22.000	19.500	+12.8		43626	503	8.900	8.100	+9.9		44069	501	11.500	10.200	+12.7	
43151	505	16.100	14.400	+11.8		43626	504	9.450	8.380	+12.8		44069	503	9.510	8.660	+9.8	
43152	501	16.500	15.100	+9.3		43626	505	10.500	9.420	+11.5		44069	504	10.100	8.960	+12.7	
43152	503	12.600	11.800	+6.8		43628	501	139.000	124.000	+12.1		44069	505	11.200	10.100	+10.9	
43152	504	8.830	8.020	+10.1		43628	503	116.000	105.000	+10.5		44070	501	3.400	3.020	+12.6	
43152	505	10.500	9.690	+8.4		43628	504	123.000	109.000	+12.8		44070	503	2.820	2.560	+10.2	
43200	501	133.000	118.000	+12.7		43628	505	136.000	122.000	+11.5		44070	504	2.990	2.650	+12.8	
43200	503	66.500	60.300	+10.3		43629	501	118.000	105.000	+12.4		44070	505	3.320	2.980	+11.4	
43200	504	83.800	74.000	+13.2		43629	503	98.000	89.200	+9.9		44071	501	3.780	3.360	+12.5	
43200	505	61.200	54.700	+11.9		43629	504	104.000	92.300	+12.7		44071	503	3.130	2.850	+9.8	
43421	501	36.500	32.300	+13.0		43629	505	115.000	104.000	+10.6		44071	504	3.330	2.950	+12.9	
43421	503	18.200	16.500	+10.3		43760	501	3.940	3.500	+12.6		44071	505	3.690	3.320	+11.1	
43421	504	23.000	20.300	+13.3		43760	503	3.260	2.970	+9.8		44072	501	2.610	2.320	+12.5	
43421	505	16.800	15.000	+12.0		43760	504	3.470	3.070	+13.0		44072	503	2.160	1.970	+9.6	
43422	501	192.000	169.000	+13.6		43760	505	3.840	3.450	+11.3		44072	504	2.300	2.040	+12.7	

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44072	505	2.550	2.290	+11.4		44111	504	3.280	3.000	+9.3		44429	503	0.730	0.680	+7.4	
44100	501	7.660	7.030	+9.0		44111	505	4.350	4.030	+7.9		44429	504	0.550	0.510	+7.8	
44100	503	9.930	9.340	+6.3		44112	501	2.550	2.340	+9.0		44429	505	0.910	0.840	+8.3	
44100	504	5.830	5.340	+9.2		44112	503	3.310	3.110	+6.4		44430	501	0.590	0.540	+9.3	
44100	505	7.730	7.160	+8.0		44112	504	1.940	1.780	+9.0		44430	503	0.500	0.470	+6.4	
44101	501	7.980	7.320	+9.0		44112	505	2.580	2.390	+7.9		44430	504	0.390	0.350	+11.4	
44101	503	10.300	9.730	+5.9		44276	501	179.000	158.000	+13.3		44430	505	0.630	0.590	+6.8	
44101	504	6.070	5.560	+9.2		44276	503	89.200	80.900	+10.3		44431	501	1.890	1.730	+9.2	
44101	505	8.050	7.450	+8.1		44276	504	113.000	99.400	+13.7		44431	503	1.610	1.510	+6.6	
44102	501	6.220	5.710	+8.9		44276	505	82.100	73.500	+11.7		44431	504	1.230	1.120	+9.8	
44102	503	8.070	7.590	+6.3		44277	501	116.000	103.000	+12.6		44431	505	2.020	1.870	+8.0	
44102	504	4.740	4.340	+9.2		44277	503	57.800	52.500	+10.1		44432	501	0.600	0.550	+9.1	
44102	505	6.280	5.810	+8.1		44277	504	72.900	64.400	+13.2		44432	503	0.510	0.480	+6.3	
44103	501	5.510	5.050	+9.1		44277	505	53.200	47.600	+11.8		44432	504	0.390	0.360	+8.3	
44103	503	7.140	6.710	+6.4		44280	501	0.226	0.260	-13.1		44432	505	0.640	0.590	+8.5	
44103	504	4.190	3.840	+9.1		44280	503	0.246	0.280	-12.1		44433	501	19.000	17.400	+9.2	
44103	505	5.560	5.140	+8.2		44280	504	0.168	0.194	-13.4		44433	503	16.300	15.300	+6.5	
44104	501	2.310	2.120	+9.0		44280	505	0.260	0.300	-13.3		44433	504	12.400	11.400	+8.8	
44104	503	3.000	2.820	+6.4		44311	501	6.930	6.160	+12.5		44433	505	20.400	18.900	+7.9	
44104	504	1.760	1.610	+9.3		44311	503	5.750	5.230	+9.9		44434	501	36.400	33.300	+9.3	
44104	505	2.330	2.160	+7.9		44311	504	6.100	5.410	+12.8		44434	503	31.200	29.200	+6.8	
44108	501	2.710	2.490	+8.8		44311	505	6.760	6.080	+11.2		44434	504	23.800	21.700	+9.7	
44108	503	3.520	3.310	+6.3		44315	501	4.660	4.140	+12.6		44434	505	39.100	36.100	+8.3	
44108	504	2.060	1.890	+9.0		44315	503	3.860	3.520	+9.7		44435	501	37.700	34.500	+9.3	
44108	505	2.740	2.530	+8.3		44315	504	4.100	3.640	+12.6		44435	503	32.300	30.300	+6.6	
44109	501	6.860	6.300	+8.9		44315	505	4.550	4.090	+11.2		44435	504	24.600	22.500	+9.3	
44109	503	8.900	8.360	+6.5		44427	501	56.300	51.600	+9.1		44435	505	40.400	37.400	+8.0	
44109	504	5.220	4.780	+9.2		44427	503	48.200	45.200	+6.6		44436	501	44.100	40.300	+9.4	
44109	505	6.920	6.410	+8.0		44427	504	36.800	33.600	+9.5		44436	503	37.700	35.300	+6.8	
44110	501	7.020	6.450	+8.8		44427	505	60.400	55.800	+8.2		44436	504	28.800	26.300	+9.5	
44110	503	9.110	8.560	+6.4		44428	501	56.600	51.900	+9.1		44436	505	47.200	43.700	+8.0	
44110	504	5.340	4.890	+9.2		44428	503	48.400	45.400	+6.6		44437	501	36.500	33.400	+9.3	
44110	505	7.080	6.560	+7.9		44428	504	37.000	33.800	+9.5		44437	503	31.200	29.300	+6.5	
44111	501	4.310	3.950	+9.1		44428	505	60.700	56.200	+8.0		44437	504	23.800	21.800	+9.2	
44111	503	5.590	5.250	+6.5		44429	501	0.850	0.780	+9.0		44437	505	39.200	36.200	+8.3	

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44438	501	28.900	26.400	+9.5		45334	505	35.300	31.500	+12.1		46004	504	17.100	15.400	+11.0	
44438	503	24.700	23.100	+6.9		45380	501	0.227	0.260	-12.7		46004	505	15.300	14.000	+9.3	
44438	504	18.800	17.200	+9.3		45380	503	0.270	0.310	-12.9		46005	501	25.500	23.000	+10.9	
44438	505	30.900	28.600	+8.0		45380	504	0.242	0.280	-13.6		46005	503	27.700	25.600	+8.2	
44439	501	56.200	51.400	+9.3		45380	505	0.193	0.221	-12.7		46005	504	13.700	12.300	+11.4	
44439	503	48.000	45.000	+6.7		45450	501	22.600	20.000	+13.0		46005	505	12.300	11.200	+9.8	
44439	504	36.700	33.500	+9.6		45450	503	11.300	10.200	+10.8		46112	501	0.061	0.056	+8.9	
44439	505	60.200	55.700	+8.1		45450	504	14.200	12.600	+12.7		46112	503	0.052	0.049	+6.1	
44440	501	46.500	42.500	+9.4		45450	505	10.400	9.280	+12.1		46112	504	0.040	0.037	+8.1	
44440	503	39.700	37.300	+6.4		45678	501	0.244	0.280	-12.9		46112	505	0.066	0.061	+8.2	
44440	504	30.300	27.700	+9.4		45678	503	0.270	0.310	-12.9		46202	501	5.780	5.120	+12.9	
44440	505	49.800	46.100	+8.0		45678	504	0.181	0.209	-13.4		46202	503	2.630	2.380	+10.5	
45190	501	4.550	4.030	+12.9		45678	505	0.280	0.320	-12.5		46202	504	2.340	2.070	+13.0	
45190	503	2.070	1.880	+10.1		45771	501	0.350	0.390	-10.3		46202	505	2.040	1.820	+12.1	
45190	504	1.840	1.630	+12.9		45771	503	0.410	0.470	-12.8		46362	501	193.000	176.000	+9.7	
45190	505	1.610	1.440	+11.8		45771	504	0.370	0.420	-11.9		46362	503	147.000	138.000	+6.5	
45191	501	3.230	2.860	+12.9		45771	505	0.290	0.340	-14.7		46362	504	103.000	93.500	+10.2	
45191	503	1.470	1.330	+10.5		45819	501	0.112	0.128	-12.5		46362	505	123.000	113.000	+8.8	
45191	504	1.310	1.150	+13.9		45819	503	0.133	0.152	-12.5		46426	501	28.200	25.700	+9.7	
45191	505	1.140	1.020	+11.8		45819	504	0.120	0.137	-12.4		46426	503	21.500	20.100	+7.0	
45192	501	3.780	3.340	+13.2		45819	505	0.096	0.109	-11.9		46426	504	15.000	13.700	+9.5	
45192	503	1.720	1.560	+10.3		45900	501	0.076	0.073	+4.1		46426	505	17.900	16.500	+8.5	
45192	504	1.530	1.350	+13.3		45900	503	0.094	0.093	+1.1		46427	501	37.600	34.300	+9.6	
45192	505	1.330	1.190	+11.8		45900	504	0.120	0.115	+4.3		46427	503	28.800	26.900	+7.1	
45193	501	2.230	1.970	+13.2		45900	505	0.136	0.132	+3.0		46427	504	20.100	18.200	+10.4	
45193	503	1.010	0.920	+9.8		45901	501	0.066	0.063	+4.8		46427	505	23.900	22.000	+8.6	
45193	504	0.900	0.800	+12.5		45901	503	0.081	0.079	+2.5		46603	501	2.370	2.150	+10.2	
45193	505	0.790	0.700	+12.9		45901	504	0.103	0.099	+4.0		46603	503	1.810	1.690	+7.1	
45210	501	2.820	2.500	+12.8		45901	505	0.117	0.113	+3.5		46603	504	1.260	1.150	+9.6	
45210	503	1.280	1.160	+10.3		45937	501	0.300	0.270	+11.1		46603	505	1.510	1.390	+8.6	
45210	504	1.140	1.010	+12.9		45937	503	0.150	0.136	+10.3		46604	501	2.730	2.480	+10.1	
45210	505	1.000	0.890	+12.4		45937	504	0.189	0.167	+13.2		46604	503	2.090	1.950	+7.2	
45334	501	76.800	67.900	+13.1		45937	505	0.138	0.124	+11.3		46604	504	1.460	1.320	+10.6	
45334	503	38.300	34.800	+10.1		46004	501	31.900	28.700	+11.1		46604	505	1.740	1.600	+8.7	
45334	504	48.300	42.700	+13.1		46004	503	34.700	32.000	+8.4		46606	501	7.270	6.620	+9.8	

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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
46606	503	5.560	5.190	+7.1		47367	501	0.226	0.260	-13.1		47477	505	3.230	2.940	+9.9	
46606	504	3.880	3.520	+10.2		47367	503	0.246	0.280	-12.1		47478	501	7.040	6.350	+10.9	
46606	505	4.630	4.260	+8.7		47367	504	0.168	0.194	-13.4		47478	503	7.670	7.080	+8.3	
46607	501	10.000	9.100	+9.9		47367	505	0.260	0.300	-13.3		47478	504	3.790	3.410	+11.1	
46607	503	7.640	7.140	+7.0		47420	501	1.910	1.700	+12.4		47478	505	3.390	3.090	+9.7	
46607	504	5.340	4.850	+10.1		47420	503	1.590	1.440	+10.4		48039	501	94.500	83.600	+13.0	
46607	505	6.360	5.860	+8.5		47420	504	1.680	1.490	+12.8		48039	503	47.100	42.800	+10.0	
46622	501	9.660	11.200	-13.7		47420	505	1.870	1.680	+11.3		48039	504	59.400	52.500	+13.1	
46622	503	10.500	12.200	-13.9		47469	501	5.030	4.530	+11.0		48039	505	43.400	38.800	+11.9	
46622	504	7.180	8.280	-13.3		47469	503	5.480	5.060	+8.3		48206	501	28.400	25.200	+12.7	
46622	505	11.200	12.900	-13.2		47469	504	2.700	2.430	+11.1		48206	503	23.500	21.400	+9.8	
46700	501	268.000	237.000	+13.1		47469	505	2.420	2.210	+9.5		48206	504	25.000	22.200	+12.6	
46700	503	134.000	121.000	+10.7		47471	501	4.360	3.930	+10.9		48206	505	27.700	24.900	+11.2	
46700	504	169.000	149.000	+13.4		47471	503	4.750	4.380	+8.4		48441	501	0.119	0.106	+12.3	
46700	505	123.000	110.000	+11.8		47471	504	2.340	2.110	+10.9		48441	503	0.099	0.090	+10.0	
46911	501	21.200	18.900	+12.2		47471	505	2.100	1.910	+9.9		48441	504	0.105	0.093	+12.9	
46911	503	17.600	16.000	+10.0		47473	501	5.700	5.140	+10.9		48441	505	0.116	0.105	+10.5	
46911	504	18.700	16.600	+12.7		47473	503	6.210	5.730	+8.4		48557	501	11.900	10.600	+12.3	
46911	505	20.700	18.600	+11.3		47473	504	3.070	2.760	+11.2		48557	503	9.890	9.000	+9.9	
46912	501	38.900	34.600	+12.4		47473	505	2.740	2.500	+9.6		48557	504	10.500	9.310	+12.8	
46912	503	32.300	29.400	+9.9		47474	501	6.370	5.740	+11.0		48557	505	11.600	10.500	+10.5	
46912	504	34.200	30.400	+12.5		47474	503	6.940	6.410	+8.3		48558	501	10.400	9.210	+12.9	
46912	505	38.000	34.100	+11.4		47474	504	3.430	3.080	+11.4		48558	503	8.600	7.830	+9.8	
47050	501	0.900	1.050	-14.3		47474	505	3.070	2.790	+10.0		48558	504	9.130	8.100	+12.7	
47050	503	0.980	1.140	-14.0		47475	501	5.030	4.530	+11.0		48558	505	10.100	9.100	+11.0	
47050	504	0.670	0.770	-13.0		47475	503	5.480	5.060	+8.3		48600	501	56.400	51.300	+9.9	
47050	505	1.040	1.200	-13.3		47475	504	2.700	2.430	+11.1		48600	503	43.100	40.200	+7.2	
47221	501	294.000	260.000	+13.1		47475	505	2.420	2.210	+9.5		48600	504	30.100	27.300	+10.3	
47221	503	147.000	133.000	+10.5		47476	501	5.030	4.530	+11.0		48600	505	35.900	33.000	+8.8	
47221	504	185.000	163.000	+13.5		47476	503	5.480	5.060	+8.3		48636	501	0.730	0.860	-15.1	
47221	505	135.000	121.000	+11.6		47476	504	2.700	2.430	+11.1		48636	503	0.650	0.770	-15.6	
47318	501	8.730	7.760	+12.5		47476	505	2.420	2.210	+9.5		48636	504	0.970	1.160	-16.4	
47318	503	7.240	6.590	+9.9		47477	501	6.710	6.040	+11.1		48636	505	0.810	0.960	-15.6	
47318	504	7.690	6.810	+12.9		47477	503	7.300	6.750	+8.1		48637	501	9.110	8.100	+12.5	
47318	505	8.520	7.660	+11.2		47477	504	3.610	3.240	+11.4		48637	503	7.550	6.880	+9.7	

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LOSS COST PERCENT CHANGE BY CLASS

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48637	504	8.020	7.110	+12.8		49185	503	36.000	32.700	+10.1		49802	501	23.000	20.300	+13.3	
48637	505	8.890	8.000	+11.1		49185	504	45.500	40.200	+13.2		49802	503	11.500	10.400	+10.6	
48638	501	4.520	4.020	+12.4		49185	505	33.200	29.700	+11.8		49802	504	14.400	12.800	+12.5	
48638	503	3.750	3.410	+10.0		49239	501	0.170	0.194	-12.4		49802	505	10.500	9.430	+11.3	
48638	504	3.980	3.530	+12.7		49239	503	0.201	0.229	-12.2		49803	501	40.700	36.000	+13.1	
48638	505	4.410	3.970	+11.1		49239	504	0.181	0.207	-12.6		49803	503	20.300	18.400	+10.3	
48808	501	1.130	1.080	+4.6		49239	505	0.145	0.165	-12.1		49803	504	25.600	22.600	+13.3	
48808	503	1.390	1.370	+1.5		49292	501	2.260	2.000	+13.0		49803	505	18.700	16.700	+12.0	
48808	504	1.780	1.700	+4.7		49292	503	1.130	1.020	+10.8		49840	501	0.930	1.080	-13.9	
48808	505	2.010	1.950	+3.1		49292	504	1.420	1.260	+12.7		49840	503	1.010	1.170	-13.7	
48925	501	218.000	194.000	+12.4		49292	505	1.040	0.930	+11.8		49840	504	0.690	0.800	-13.8	
48925	503	181.000	165.000	+9.7		49333	501	16.600	14.700	+12.9		49840	505	1.080	1.240	-12.9	
48925	504	192.000	170.000	+12.9		49333	503	8.260	7.500	+10.1		49870	501	91.100	81.000	+12.5	
48925	505	213.000	191.000	+11.5		49333	504	10.400	9.200	+13.0		49870	503	75.600	68.800	+9.9	
49005	501	0.154	0.178	-13.5		49333	505	7.610	6.800	+11.9		49870	504	80.200	71.100	+12.8	
49005	503	0.167	0.193	-13.5		49617	501	0.390	0.350	+11.4		49870	505	89.000	80.000	+11.3	
49005	504	0.114	0.132	-13.6		49617	503	0.370	0.340	+8.8		50010	501	0.064	0.077	-16.9	
49005	505	0.178	0.205	-13.2		49617	504	0.340	0.310	+9.7		50010	503	0.117	0.141	-17.0	
49111	501	1.730	1.660	+4.2		49617	505	0.280	0.250	+12.0		50010	504	0.113	0.136	-16.9	
49111	503	2.120	2.090	+1.4		49618	501	0.330	0.290	+13.8		50010	505	0.101	0.121	-16.5	
49111	504	2.720	2.600	+4.6		49618	503	0.310	0.290	+6.9		50011	501	0.040	0.048	-16.7	
49111	505	3.070	2.980	+3.0		49618	504	0.290	0.260	+11.5		50011	503	0.036	0.043	-16.3	
49181	501	30.900	27.300	+13.2		49618	505	0.232	0.212	+9.4		50011	504	0.054	0.064	-15.6	
49181	503	15.400	14.000	+10.0		49619	501	0.610	0.550	+10.9		50011	505	0.045	0.053	-15.1	
49181	504	19.400	17.200	+12.8		49619	503	0.580	0.540	+7.4		50012	501	0.024	0.029	-17.2	
49181	505	14.200	12.700	+11.8		49619	504	0.540	0.480	+12.5		50012	503	0.043	0.052	-17.3	
49183	501	37.600	33.300	+12.9		49619	505	0.440	0.400	+10.0		50012	504	0.042	0.050	-16.0	
49183	503	18.800	17.000	+10.6		49763	501	3.980	3.590	+10.9		50012	505	0.037	0.045	-17.8	
49183	504	23.700	20.900	+13.4		49763	503	3.770	3.480	+8.3		50015	501	0.042	0.050	-16.0	
49183	505	17.300	15.500	+11.6		49763	504	3.500	3.150	+11.1		50015	503	0.076	0.091	-16.5	
49184	501	79.400	70.300	+12.9		49763	505	2.840	2.590	+9.7		50015	504	0.073	0.088	-17.0	
49184	503	39.600	35.900	+10.3		49801	501	259.000	229.000	+13.1		50015	505	0.066	0.079	-16.5	
49184	504	50.000	44.100	+13.4		49801	503	129.000	117.000	+10.3		50017	501	0.032	0.038	-15.8	
49184	505	36.500	32.600	+12.0		49801	504	163.000	144.000	+13.2		50017	503	0.058	0.070	-17.1	
49185	501	72.300	63.900	+13.1		49801	505	119.000	106.000	+12.3		50017	504	0.056	0.067	-16.4	

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50017	505	0.050	0.060	-16.7		51205	504	0.059	0.071	-16.9		51241	503	0.710	0.860	-17.4	
50018	501	0.037	0.044	-15.9		51205	505	0.053	0.063	-15.9		51241	504	0.690	0.830	-16.9	
50018	503	0.033	0.039	-15.4		51206	501	0.005	0.006	-16.7		51241	505	0.620	0.740	-16.2	
50018	504	0.049	0.058	-15.5		51206	503	0.009	0.011	-18.2		51250	501	0.115	0.136	-15.4	
50018	505	0.041	0.048	-14.6		51206	504	0.009	0.011	-18.2		51250	503	0.103	0.122	-15.6	
50019	501	0.017	0.020	-15.0		51206	505	0.008	0.010	-20.0		51250	504	0.154	0.183	-15.8	
50019	503	0.031	0.037	-16.2		51210	501	0.044	0.052	-15.4		51250	505	0.128	0.151	-15.2	
50019	504	0.030	0.036	-16.7		51210	503	0.039	0.046	-15.2		51251	501	0.011	0.014	-21.4	
50019	505	0.027	0.032	-15.6		51210	504	0.058	0.070	-17.1		51251	503	0.021	0.025	-16.0	
50045	501	0.073	0.088	-17.0		51210	505	0.049	0.057	-14.0		51251	504	0.020	0.024	-16.7	
50045	503	0.132	0.159	-17.0		51220	501	0.150	0.177	-15.3		51251	505	0.018	0.021	-14.3	
50045	504	0.127	0.154	-17.5		51220	503	0.134	0.159	-15.7		51252	501	0.040	0.048	-16.7	
50045	505	0.114	0.137	-16.8		51220	504	0.200	0.238	-16.0		51252	503	0.072	0.087	-17.2	
50047	501	0.008	0.010	-20.0		51220	505	0.166	0.197	-15.7		51252	504	0.070	0.084	-16.7	
50047	503	0.015	0.018	-16.7		51221	501	0.083	0.099	-16.2		51252	505	0.063	0.075	-16.0	
50047	504	0.014	0.017	-17.6		51221	503	0.074	0.088	-15.9		51253	501	0.034	0.041	-17.1	
50047	505	0.013	0.015	-13.3		51221	504	0.111	0.132	-15.9		51253	503	0.062	0.074	-16.2	
51001	501	0.025	0.030	-16.7		51221	505	0.092	0.109	-15.6		51253	504	0.060	0.072	-16.7	
51001	503	0.022	0.026	-15.4		51222	501	0.101	0.120	-15.8		51253	505	0.053	0.064	-17.2	
51001	504	0.033	0.040	-17.5		51222	503	0.090	0.107	-15.9		51254	501	0.011	0.013	-15.4	
51001	505	0.028	0.033	-15.2		51222	504	0.135	0.161	-16.1		51254	503	0.019	0.023	-17.4	
51005	501	0.005	0.006	-16.7		51222	505	0.112	0.133	-15.8		51254	504	0.019	0.022	-13.6	
51005	503	0.005	0.005	0.0		51224	501	0.106	0.126	-15.9		51254	505	0.017	0.020	-15.0	
51005	504	0.007	0.008	-12.5		51224	503	0.095	0.112	-15.2		51255	501	0.290	0.350	-17.1	
51005	505	0.006	0.007	-14.3		51224	504	0.142	0.169	-16.0		51255	503	0.260	0.310	-16.1	
51116	501	0.063	0.075	-16.0		51224	505	0.118	0.139	-15.1		51255	504	0.390	0.460	-15.2	
51116	503	0.056	0.067	-16.4		51230	501	0.018	0.021	-14.3		51255	505	0.320	0.380	-15.8	
51116	504	0.084	0.100	-16.0		51230	503	0.016	0.019	-15.8		51300	501	0.087	0.103	-15.5	
51116	505	0.070	0.083	-15.7		51230	504	0.024	0.029	-17.2		51300	503	0.085	0.101	-15.8	
51201	501	0.011	0.013	-15.4		51230	505	0.020	0.024	-16.7		51300	504	0.098	0.116	-15.5	
51201	503	0.020	0.024	-16.7		51240	501	0.132	0.159	-17.0		51300	505	0.070	0.083	-15.7	
51201	504	0.019	0.023	-17.4		51240	503	0.240	0.290	-17.2		51305	501	0.087	0.103	-15.5	
51201	505	0.017	0.021	-19.0		51240	504	0.231	0.280	-17.5		51305	503	0.085	0.101	-15.8	
51205	501	0.033	0.040	-17.5		51240	505	0.207	0.250	-17.2		51305	504	0.098	0.116	-15.5	
51205	503	0.061	0.073	-16.4		51241	501	0.390	0.470	-17.0		51305	505	0.070	0.083	-15.7	

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51315	501	0.110	0.126	-12.7		51356	505	0.107	0.126	-15.1		51516	504	0.050	0.058	-13.8	
51315	503	0.130	0.149	-12.8		51357	501	0.156	0.179	-12.8		51516	505	0.078	0.090	-13.3	
51315	504	0.117	0.135	-13.3		51357	503	0.185	0.211	-12.3		51517	501	0.077	0.089	-13.5	
51315	505	0.094	0.107	-12.1		51357	504	0.167	0.191	-12.6		51517	503	0.084	0.097	-13.4	
51330	501	0.044	0.053	-17.0		51357	505	0.133	0.152	-12.5		51517	504	0.057	0.066	-13.6	
51330	503	0.040	0.047	-14.9		51358	501	0.380	0.430	-11.6		51517	505	0.089	0.102	-12.7	
51330	504	0.059	0.071	-16.9		51358	503	0.450	0.510	-11.8		51550	501	0.030	0.036	-16.7	
51330	505	0.049	0.058	-15.5		51358	504	0.400	0.460	-13.0		51550	503	0.055	0.066	-16.7	
51333	501	0.015	0.017	-11.8		51358	505	0.320	0.370	-13.5		51550	504	0.053	0.064	-17.2	
51333	503	0.013	0.015	-13.3		51359	501	0.330	0.380	-13.2		51550	505	0.047	0.057	-17.5	
51333	504	0.019	0.023	-17.4		51359	503	0.390	0.450	-13.3		51551	501	0.010	0.013	-23.1	
51333	505	0.016	0.019	-15.8		51359	504	0.350	0.400	-12.5		51551	503	0.019	0.023	-17.4	
51340	501	0.011	0.013	-15.4		51359	505	0.280	0.320	-12.5		51551	504	0.018	0.022	-18.2	
51340	503	0.020	0.024	-16.7		51370	501	0.129	0.156	-17.3		51551	505	0.016	0.020	-20.0	
51340	504	0.019	0.023	-17.4		51370	503	0.234	0.280	-16.4		51552	501	0.018	0.022	-18.2	
51340	505	0.017	0.021	-19.0		51370	504	0.226	0.270	-16.3		51552	503	0.033	0.040	-17.5	
51350	501	0.146	0.173	-15.6		51370	505	0.203	0.244	-16.8		51552	504	0.032	0.038	-15.8	
51350	503	0.143	0.170	-15.9		51380	501	0.013	0.016	-18.8		51552	505	0.028	0.034	-17.6	
51350	504	0.164	0.196	-16.3		51380	503	0.023	0.028	-17.9		51553	501	0.032	0.039	-17.9	
51350	505	0.118	0.140	-15.7		51380	504	0.023	0.027	-14.8		51553	503	0.059	0.071	-16.9	
51351	501	0.130	0.155	-16.1		51380	505	0.020	0.024	-16.7		51553	504	0.057	0.068	-16.2	
51351	503	0.128	0.153	-16.3		51400	501	0.104	0.123	-15.4		51553	505	0.051	0.061	-16.4	
51351	504	0.147	0.175	-16.0		51400	503	0.093	0.110	-15.5		51554	501	0.003	0.004	-25.0	
51351	505	0.106	0.125	-15.2		51400	504	0.139	0.166	-16.3		51554	503	0.006	0.007	-14.3	
51352	501	0.179	0.213	-16.0		51400	505	0.116	0.137	-15.3		51554	504	0.005	0.006	-16.7	
51352	503	0.176	0.209	-15.8		51401	501	0.153	0.181	-15.5		51554	505	0.005	0.006	-16.7	
51352	504	0.202	0.240	-15.8		51401	503	0.137	0.162	-15.4		51575	501	0.039	0.046	-15.2	
51352	505	0.145	0.172	-15.7		51401	504	0.205	0.244	-16.0		51575	503	0.038	0.046	-17.4	
51355	501	0.122	0.145	-15.9		51401	505	0.170	0.201	-15.4		51575	504	0.044	0.052	-15.4	
51355	503	0.120	0.143	-16.1		51500	501	0.024	0.029	-17.2		51575	505	0.032	0.037	-13.5	
51355	504	0.138	0.164	-15.9		51500	503	0.044	0.053	-17.0		51576	501	0.058	0.070	-17.1	
51355	505	0.099	0.117	-15.4		51500	504	0.043	0.052	-17.3		51576	503	0.105	0.127	-17.3	
51356	501	0.131	0.156	-16.0		51500	505	0.038	0.046	-17.4		51576	504	0.102	0.123	-17.1	
51356	503	0.129	0.154	-16.2		51516	501	0.068	0.078	-12.8		51576	505	0.091	0.110	-17.3	
51356	504	0.148	0.176	-15.9		51516	503	0.074	0.085	-12.9		51600	501	0.039	0.048	-18.8	

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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
51600	503	0.072	0.086	-16.3		51767	501	0.018	0.021	-14.3		51851	505	0.081	0.096	-15.6	
51600	504	0.069	0.083	-16.9		51767	503	0.018	0.021	-14.3		51852	501	0.170	0.202	-15.8	
51600	505	0.062	0.075	-17.3		51767	504	0.020	0.024	-16.7		51852	503	0.152	0.181	-16.0	
51613	501	0.026	0.031	-16.1		51767	505	0.015	0.017	-11.8		51852	504	0.228	0.270	-15.6	
51613	503	0.047	0.057	-17.5		51777	501	0.063	0.075	-16.0		51852	505	0.190	0.224	-15.2	
51613	504	0.046	0.055	-16.4		51777	503	0.062	0.073	-15.1		51853	501	0.069	0.081	-14.8	
51613	505	0.041	0.049	-16.3		51777	504	0.071	0.084	-15.5		51853	503	0.061	0.073	-16.4	
51625	501	0.023	0.027	-14.8		51777	505	0.051	0.060	-15.0		51853	504	0.092	0.109	-15.6	
51625	503	0.020	0.024	-16.7		51790	501	0.105	0.124	-15.3		51853	505	0.076	0.090	-15.6	
51625	504	0.031	0.036	-13.9		51790	503	0.103	0.122	-15.6		51854	501	0.154	0.182	-15.4	
51625	505	0.025	0.030	-16.7		51790	504	0.118	0.141	-16.3		51854	503	0.137	0.163	-16.0	
51666	501	0.062	0.074	-16.2		51790	505	0.085	0.101	-15.8		51854	504	0.206	0.245	-15.9	
51666	503	0.061	0.072	-15.3		51796	501	0.025	0.030	-16.7		51854	505	0.171	0.202	-15.3	
51666	504	0.070	0.083	-15.7		51796	503	0.045	0.055	-18.2		51855	501	0.161	0.191	-15.7	
51666	505	0.050	0.059	-15.3		51796	504	0.044	0.053	-17.0		51855	503	0.144	0.171	-15.8	
51702	501	0.069	0.081	-14.8		51796	505	0.039	0.047	-17.0		51855	504	0.216	0.260	-16.9	
51702	503	0.061	0.073	-16.4		51808	501	0.089	0.107	-16.8		51855	505	0.179	0.212	-15.6	
51702	504	0.092	0.109	-15.6		51808	503	0.161	0.195	-17.4		51856	501	0.089	0.105	-15.2	
51702	505	0.076	0.090	-15.6		51808	504	0.156	0.188	-17.0		51856	503	0.079	0.094	-16.0	
51703	501	0.028	0.034	-17.6		51808	505	0.140	0.168	-16.7		51856	504	0.119	0.141	-15.6	
51703	503	0.025	0.030	-16.7		51809	501	0.111	0.133	-16.5		51856	505	0.099	0.117	-15.4	
51703	504	0.038	0.045	-15.6		51809	503	0.200	0.242	-17.4		51857	501	0.152	0.180	-15.6	
51703	505	0.032	0.037	-13.5		51809	504	0.194	0.234	-17.1		51857	503	0.136	0.161	-15.5	
51734	501	0.053	0.063	-15.9		51809	505	0.173	0.209	-17.2		51857	504	0.203	0.242	-16.1	
51734	503	0.048	0.057	-15.8		51833	501	0.094	0.112	-16.1		51857	505	0.169	0.199	-15.1	
51734	504	0.071	0.085	-16.5		51833	503	0.093	0.110	-15.5		51869	501	0.030	0.036	-16.7	
51734	505	0.059	0.070	-15.7		51833	504	0.106	0.127	-16.5		51869	503	0.054	0.065	-16.9	
51741	501	0.069	0.083	-16.9		51833	505	0.077	0.090	-14.4		51869	504	0.052	0.062	-16.1	
51741	503	0.125	0.150	-16.7		51850	501	0.107	0.127	-15.7		51869	505	0.046	0.056	-17.9	
51741	504	0.120	0.145	-17.2		51850	503	0.096	0.114	-15.8		51877	501	0.166	0.200	-17.0	
51741	505	0.108	0.130	-16.9		51850	504	0.144	0.171	-15.8		51877	503	0.300	0.360	-16.7	
51752	501	0.058	0.070	-17.1		51850	505	0.119	0.141	-15.6		51877	504	0.290	0.350	-17.1	
51752	503	0.105	0.127	-17.3		51851	501	0.073	0.086	-15.1		51877	505	0.260	0.310	-16.1	
51752	504	0.102	0.123	-17.1		51851	503	0.065	0.077	-15.6		51889	501	0.027	0.033	-18.2	
51752	505	0.091	0.110	-17.3		51851	504	0.097	0.116	-16.4		51889	503	0.050	0.060	-16.7	

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LOSS COST PERCENT CHANGE BY CLASS

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51889	504	0.048	0.058	-17.2		51942	503	0.081	0.098	-17.3		51986	501	0.064	0.077	-16.9	
51889	505	0.043	0.052	-17.3		51942	504	0.078	0.095	-17.9		51986	503	0.117	0.141	-17.0	
51896	501	0.013	0.015	-13.3		51942	505	0.070	0.085	-17.6		51986	504	0.113	0.136	-16.9	
51896	503	0.023	0.028	-17.9		51956	501	0.121	0.146	-17.1		51986	505	0.101	0.121	-16.5	
51896	504	0.022	0.027	-18.5		51956	503	0.219	0.260	-15.8		51999	501	0.027	0.033	-18.2	
51896	505	0.020	0.024	-16.7		51956	504	0.212	0.260	-18.5		51999	503	0.049	0.059	-16.9	
51900	501	0.070	0.084	-16.7		51956	505	0.189	0.228	-17.1		51999	504	0.047	0.057	-17.5	
51900	503	0.069	0.082	-15.9		51957	501	0.106	0.128	-17.2		51999	505	0.043	0.051	-15.7	
51900	504	0.080	0.095	-15.8		51957	503	0.193	0.233	-17.2		52002	501	0.024	0.029	-17.2	
51900	505	0.057	0.068	-16.2		51957	504	0.186	0.225	-17.3		52002	503	0.043	0.052	-17.3	
51909	501	0.097	0.115	-15.7		51957	505	0.167	0.201	-16.9		52002	504	0.042	0.050	-16.0	
51909	503	0.087	0.103	-15.5		51958	501	0.095	0.114	-16.7		52002	505	0.037	0.045	-17.8	
51909	504	0.130	0.154	-15.6		51958	503	0.171	0.207	-17.4		52075	501	0.085	0.100	-15.0	
51909	505	0.108	0.128	-15.6		51958	504	0.166	0.200	-17.0		52075	503	0.076	0.090	-15.6	
51919	501	0.028	0.033	-15.2		51958	505	0.148	0.179	-17.3		52075	504	0.113	0.135	-16.3	
51919	503	0.050	0.060	-16.7		51959	501	0.097	0.117	-17.1		52075	505	0.094	0.111	-15.3	
51919	504	0.048	0.058	-17.2		51959	503	0.176	0.212	-17.0		52076	501	0.102	0.121	-15.7	
51919	505	0.043	0.052	-17.3		51959	504	0.170	0.205	-17.1		52076	503	0.091	0.108	-15.7	
51926	501	0.028	0.034	-17.6		51959	505	0.152	0.183	-16.9		52076	504	0.136	0.162	-16.0	
51926	503	0.051	0.061	-16.4		51960	501	0.013	0.015	-13.3		52076	505	0.113	0.134	-15.7	
51926	504	0.049	0.059	-16.9		51960	503	0.023	0.028	-17.9		52109	501	0.006	0.007	-14.3	
51926	505	0.044	0.053	-17.0		51960	504	0.022	0.027	-18.5		52109	503	0.011	0.013	-15.4	
51927	501	0.015	0.018	-16.7		51960	505	0.020	0.024	-16.7		52109	504	0.011	0.013	-15.4	
51927	503	0.028	0.033	-15.2		51970	501	0.056	0.067	-16.4		52109	505	0.009	0.011	-18.2	
51927	504	0.027	0.032	-15.6		51970	503	0.101	0.122	-17.2		52134	501	0.080	0.096	-16.7	
51927	505	0.024	0.029	-17.2		51970	504	0.097	0.118	-17.8		52134	503	0.144	0.174	-17.2	
51934	501	0.031	0.037	-16.2		51970	505	0.087	0.105	-17.1		52134	504	0.139	0.168	-17.3	
51934	503	0.056	0.067	-16.4		51982	501	0.016	0.020	-20.0		52134	505	0.125	0.150	-16.7	
51934	504	0.054	0.065	-16.9		51982	503	0.030	0.036	-16.7		52137	501	0.033	0.039	-15.4	
51934	505	0.048	0.058	-17.2		51982	504	0.029	0.035	-17.1		52137	503	0.030	0.035	-14.3	
51941	501	0.028	0.034	-17.6		51982	505	0.026	0.031	-16.1		52137	504	0.045	0.053	-15.1	
51941	503	0.051	0.061	-16.4		51985	501	0.063	0.073	-13.7		52137	505	0.037	0.044	-15.9	
51941	504	0.049	0.059	-16.9		51985	503	0.069	0.080	-13.7		52150	501	0.147	0.177	-16.9	
51941	505	0.044	0.053	-17.0		51985	504	0.047	0.054	-13.0		52150	503	0.270	0.320	-15.6	
51942	501	0.045	0.054	-16.7		51985	505	0.073	0.084	-13.1		52150	504	0.260	0.310	-16.1	

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52150	505	0.230	0.280	-17.9		52435	504	0.060	0.072	-16.7		52660	503	0.088	0.101	-12.9	
52315	501	0.082	0.097	-15.5		52435	505	0.054	0.064	-15.6		52660	504	0.060	0.069	-13.0	
52315	503	0.081	0.096	-15.6		52438	501	0.025	0.030	-16.7		52660	505	0.093	0.107	-13.1	
52315	504	0.092	0.110	-16.4		52438	503	0.045	0.054	-16.7		52744	501	0.360	0.430	-16.3	
52315	505	0.067	0.079	-15.2		52438	504	0.043	0.052	-17.3		52744	503	0.360	0.420	-14.3	
52341	501	0.021	0.025	-16.0		52438	505	0.039	0.047	-17.0		52744	504	0.410	0.480	-14.6	
52341	503	0.019	0.022	-13.6		52440	501	0.039	0.047	-17.0		52744	505	0.290	0.350	-17.1	
52341	504	0.028	0.033	-15.2		52440	503	0.070	0.085	-17.6		52767	501	0.090	0.107	-15.9	
52341	505	0.023	0.027	-14.8		52440	504	0.068	0.082	-17.1		52767	503	0.081	0.096	-15.6	
52342	501	0.060	0.071	-15.5		52440	505	0.061	0.073	-16.4		52767	504	0.121	0.143	-15.4	
52342	503	0.054	0.064	-15.6		52467	501	0.036	0.043	-16.3		52767	505	0.100	0.118	-15.3	
52342	504	0.081	0.096	-15.6		52467	503	0.065	0.078	-16.7		52911	501	0.017	0.020	-15.0	
52342	505	0.067	0.079	-15.2		52467	504	0.063	0.076	-17.1		52911	503	0.031	0.037	-16.2	
52343	501	0.037	0.044	-15.9		52467	505	0.056	0.068	-17.6		52911	504	0.030	0.036	-16.7	
52343	503	0.033	0.039	-15.4		52469	501	0.013	0.015	-13.3		52911	505	0.027	0.032	-15.6	
52343	504	0.049	0.058	-15.5		52469	503	0.023	0.027	-14.8		52967	501	0.006	0.008	-25.0	
52343	505	0.041	0.048	-14.6		52469	504	0.022	0.026	-15.4		52967	503	0.012	0.014	-14.3	
52401	501	0.114	0.135	-15.6		52469	505	0.020	0.024	-16.7		52967	504	0.011	0.014	-21.4	
52401	503	0.102	0.121	-15.7		52505	501	0.062	0.075	-17.3		52967	505	0.010	0.012	-16.7	
52401	504	0.152	0.181	-16.0		52505	503	0.113	0.136	-16.9		53001	501	0.062	0.075	-17.3	
52401	505	0.126	0.149	-15.4		52505	504	0.109	0.132	-17.4		53001	503	0.113	0.137	-17.5	
52402	501	0.006	0.007	-14.3		52505	505	0.098	0.118	-16.9		53001	504	0.109	0.132	-17.4	
52402	503	0.011	0.013	-15.4		52547	501	0.098	0.117	-16.2		53001	505	0.098	0.118	-16.9	
52402	504	0.011	0.013	-15.4		52547	503	0.088	0.104	-15.4		53077	501	0.030	0.036	-16.7	
52402	505	0.009	0.011	-18.2		52547	504	0.132	0.157	-15.9		53077	503	0.054	0.066	-18.2	
52432	501	0.030	0.036	-16.7		52547	505	0.109	0.129	-15.5		53077	504	0.053	0.063	-15.9	
52432	503	0.054	0.065	-16.9		52581	501	0.300	0.370	-18.9		53077	505	0.047	0.057	-17.5	
52432	504	0.052	0.063	-17.5		52581	503	0.550	0.660	-16.7		53095	501	0.021	0.025	-16.0	
52432	505	0.047	0.056	-16.1		52581	504	0.530	0.640	-17.2		53095	503	0.037	0.045	-17.8	
52433	501	0.027	0.033	-18.2		52581	505	0.480	0.570	-15.8		53095	504	0.036	0.043	-16.3	
52433	503	0.049	0.060	-18.3		52619	501	0.021	0.026	-19.2		53095	505	0.032	0.039	-17.9	
52433	504	0.048	0.058	-17.2		52619	503	0.039	0.047	-17.0		53096	501	0.029	0.035	-17.1	
52433	505	0.043	0.051	-15.7		52619	504	0.037	0.045	-17.8		53096	503	0.052	0.063	-17.5	
52435	501	0.034	0.041	-17.1		52619	505	0.033	0.040	-17.5		53096	504	0.050	0.061	-18.0	
52435	503	0.062	0.075	-17.3		52660	501	0.080	0.093	-14.0		53096	505	0.045	0.054	-16.7	

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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
53121	501	0.081	0.098	-17.3		53377	505	0.067	0.079	-15.2		53734	504	0.300	0.350	-14.3	
53121	503	0.148	0.178	-16.9		53403	501	0.052	0.062	-16.1		53734	505	0.470	0.540	-13.0	
53121	504	0.143	0.172	-16.9		53403	503	0.052	0.061	-14.8		53803	501	0.188	0.223	-15.7	
53121	505	0.128	0.154	-16.9		53403	504	0.059	0.070	-15.7		53803	503	0.168	0.200	-16.0	
53147	501	0.015	0.018	-16.7		53403	505	0.043	0.050	-14.0		53803	504	0.250	0.300	-16.7	
53147	503	0.014	0.016	-12.5		53425	501	0.079	0.094	-16.0		53803	505	0.210	0.248	-15.3	
53147	504	0.020	0.024	-16.7		53425	503	0.071	0.084	-15.5		53907	501	0.030	0.036	-16.7	
53147	505	0.017	0.020	-15.0		53425	504	0.106	0.126	-15.9		53907	503	0.054	0.065	-16.9	
53229	501	0.085	0.101	-15.8		53425	505	0.088	0.104	-15.4		53907	504	0.052	0.063	-17.5	
53229	503	0.076	0.090	-15.6		53565	501	0.061	0.072	-15.3		53907	505	0.047	0.057	-17.5	
53229	504	0.114	0.136	-16.2		53565	503	0.060	0.071	-15.5		54012	501	0.041	0.047	-12.8	
53229	505	0.095	0.112	-15.2		53565	504	0.069	0.082	-15.9		54012	503	0.044	0.051	-13.7	
53271	501	0.015	0.018	-16.7		53565	505	0.050	0.058	-13.8		54012	504	0.030	0.035	-14.3	
53271	503	0.028	0.034	-17.6		53631	501	0.009	0.011	-18.2		54012	505	0.047	0.054	-13.0	
53271	504	0.027	0.032	-15.6		53631	503	0.017	0.021	-19.0		54077	501	0.041	0.049	-16.3	
53271	505	0.024	0.029	-17.2		53631	504	0.017	0.020	-15.0		54077	503	0.074	0.089	-16.9	
53333	501	0.084	0.099	-15.2		53631	505	0.015	0.018	-16.7		54077	504	0.072	0.086	-16.3	
53333	503	0.075	0.089	-15.7		53632	501	0.011	0.013	-15.4		54077	505	0.064	0.077	-16.9	
53333	504	0.112	0.134	-16.4		53632	503	0.020	0.024	-16.7		55010	501	0.123	0.149	-17.4	
53333	505	0.093	0.110	-15.5		53632	504	0.019	0.023	-17.4		55010	503	0.224	0.270	-17.0	
53374	501	0.095	0.113	-15.9		53632	505	0.017	0.021	-19.0		55010	504	0.216	0.260	-16.9	
53374	503	0.094	0.111	-15.3		53731	501	0.010	0.012	-16.7		55010	505	0.194	0.233	-16.7	
53374	504	0.107	0.128	-16.4		53731	503	0.018	0.022	-18.2		55011	501	0.033	0.040	-17.5	
53374	505	0.077	0.091	-15.4		53731	504	0.017	0.021	-19.0		55011	503	0.060	0.073	-17.8	
53375	501	0.050	0.060	-16.7		53731	505	0.016	0.019	-15.8		55011	504	0.058	0.071	-18.3	
53375	503	0.050	0.059	-15.3		53732	501	0.068	0.082	-17.1		55011	505	0.052	0.063	-17.5	
53375	504	0.057	0.068	-16.2		53732	503	0.123	0.149	-17.4		55012	501	0.040	0.048	-16.7	
53375	505	0.041	0.048	-14.6		53732	504	0.119	0.144	-17.4		55012	503	0.072	0.087	-17.2	
53376	501	0.081	0.096	-15.6		53732	505	0.107	0.128	-16.4		55012	504	0.070	0.084	-16.7	
53376	503	0.080	0.095	-15.8		53733	501	0.044	0.053	-17.0		55012	505	0.062	0.075	-17.3	
53376	504	0.091	0.109	-16.5		53733	503	0.080	0.097	-17.5		55013	501	0.071	0.085	-16.5	
53376	505	0.066	0.078	-15.4		53733	504	0.077	0.093	-17.2		55013	503	0.064	0.076	-15.8	
53377	501	0.083	0.098	-15.3		53733	505	0.069	0.084	-17.9		55013	504	0.096	0.114	-15.8	
53377	503	0.082	0.097	-15.5		53734	501	0.410	0.470	-12.8		55013	505	0.079	0.094	-16.0	
53377	504	0.093	0.111	-16.2		53734	503	0.440	0.510	-13.7		55214	501	0.032	0.039	-17.9	

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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
55214	503	0.058	0.070	-17.1		55717	501	0.114	0.135	-15.6		56170	505	0.086	0.102	-15.7	
55214	504	0.056	0.068	-17.6		55717	503	0.102	0.121	-15.7		56171	501	0.038	0.045	-15.6	
55214	505	0.051	0.061	-16.4		55717	504	0.153	0.182	-15.9		56171	503	0.034	0.040	-15.0	
55371	501	0.243	0.290	-16.2		55717	505	0.127	0.150	-15.3		56171	504	0.051	0.061	-16.4	
55371	503	0.239	0.280	-14.6		55718	501	0.111	0.131	-15.3		56171	505	0.042	0.050	-16.0	
55371	504	0.270	0.330	-18.2		55718	503	0.099	0.118	-16.1		56202	501	0.023	0.027	-14.8	
55371	505	0.197	0.233	-15.5		55718	504	0.148	0.177	-16.4		56202	503	0.041	0.050	-18.0	
55426	501	0.087	0.103	-15.5		55718	505	0.123	0.146	-15.8		56202	504	0.040	0.048	-16.7	
55426	503	0.077	0.092	-16.3		55802	501	0.063	0.075	-16.0		56202	505	0.036	0.043	-16.3	
55426	504	0.116	0.138	-15.9		55802	503	0.062	0.073	-15.1		56390	501	0.040	0.048	-16.7	
55426	505	0.096	0.114	-15.8		55802	504	0.071	0.084	-15.5		56390	503	0.072	0.087	-17.2	
55597	501	0.008	0.010	-20.0		55802	505	0.051	0.060	-15.0		56390	504	0.070	0.084	-16.7	
55597	503	0.015	0.018	-16.7		55918	501	0.037	0.044	-15.9		56390	505	0.062	0.075	-17.3	
55597	504	0.014	0.017	-17.6		55918	503	0.066	0.080	-17.5		56391	501	0.034	0.041	-17.1	
55597	505	0.013	0.015	-13.3		55918	504	0.064	0.077	-16.9		56391	503	0.062	0.075	-17.3	
55647	501	0.016	0.019	-15.8		55918	505	0.057	0.069	-17.4		56391	504	0.060	0.072	-16.7	
55647	503	0.029	0.035	-17.1		55919	501	0.005	0.006	-16.7		56391	505	0.054	0.064	-15.6	
55647	504	0.028	0.034	-17.6		55919	503	0.009	0.011	-18.2		56427	501	0.055	0.066	-16.7	
55647	505	0.025	0.030	-16.7		55919	504	0.009	0.011	-18.2		56427	503	0.100	0.120	-16.7	
55648	501	0.007	0.009	-22.2		55919	505	0.008	0.009	-11.1		56427	504	0.096	0.116	-17.2	
55648	503	0.013	0.016	-18.8		56040	501	0.003	0.004	-25.0		56427	505	0.086	0.104	-17.3	
55648	504	0.013	0.015	-13.3		56040	503	0.006	0.008	-25.0		56488	501	0.105	0.124	-15.3	
55648	505	0.011	0.014	-21.4		56040	504	0.006	0.007	-14.3		56488	503	0.103	0.122	-15.6	
55649	501	0.009	0.010	-10.0		56040	505	0.005	0.007	-28.6		56488	504	0.118	0.141	-16.3	
55649	503	0.016	0.019	-15.8		56041	501	0.023	0.027	-14.8		56488	505	0.085	0.101	-15.8	
55649	504	0.015	0.018	-16.7		56041	503	0.041	0.050	-18.0		56567	501	0.080	0.095	-15.8	
55649	505	0.014	0.016	-12.5		56041	504	0.040	0.048	-16.7		56567	503	0.072	0.085	-15.3	
55715	501	0.064	0.077	-16.9		56041	505	0.036	0.043	-16.3		56567	504	0.108	0.128	-15.6	
55715	503	0.116	0.140	-17.1		56042	501	0.029	0.035	-17.1		56567	505	0.089	0.106	-16.0	
55715	504	0.112	0.135	-17.0		56042	503	0.052	0.063	-17.5		56650	501	0.246	0.290	-15.2	
55715	505	0.100	0.121	-17.4		56042	504	0.050	0.061	-18.0		56650	503	0.220	0.260	-15.4	
55716	501	0.092	0.111	-17.1		56042	505	0.045	0.054	-16.7		56650	504	0.330	0.390	-15.4	
55716	503	0.168	0.202	-16.8		56170	501	0.078	0.092	-15.2		56650	505	0.270	0.320	-15.6	
55716	504	0.162	0.195	-16.9		56170	503	0.069	0.082	-15.9		56651	501	0.134	0.158	-15.2	
55716	505	0.145	0.175	-17.1		56170	504	0.104	0.124	-16.1		56651	503	0.120	0.142	-15.5	

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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
56651	504	0.179	0.213	-16.0		56805	503	0.075	0.091	-17.6		56915	501	0.270	0.320	-15.6	
56651	505	0.149	0.176	-15.3		56805	504	0.073	0.088	-17.0		56915	503	0.242	0.290	-16.6	
56652	501	0.096	0.113	-15.0		56805	505	0.065	0.078	-16.7		56915	504	0.360	0.430	-16.3	
56652	503	0.085	0.101	-15.8		56806	501	0.029	0.035	-17.1		56915	505	0.300	0.360	-16.7	
56652	504	0.128	0.152	-15.8		56806	503	0.053	0.064	-17.2		56916	501	0.245	0.290	-15.5	
56652	505	0.106	0.126	-15.9		56806	504	0.051	0.062	-17.7		56916	503	0.219	0.260	-15.8	
56653	501	0.092	0.109	-15.6		56806	505	0.046	0.056	-17.9		56916	504	0.330	0.390	-15.4	
56653	503	0.082	0.098	-16.3		56807	501	0.029	0.035	-17.1		56916	505	0.270	0.320	-15.6	
56653	504	0.123	0.147	-16.3		56807	503	0.053	0.064	-17.2		56917	501	0.071	0.084	-15.5	
56653	505	0.102	0.121	-15.7		56807	504	0.051	0.062	-17.7		56917	503	0.063	0.075	-16.0	
56654	501	0.047	0.056	-16.1		56807	505	0.046	0.055	-16.4		56917	504	0.095	0.113	-15.9	
56654	503	0.042	0.050	-16.0		56808	501	0.038	0.046	-17.4		56917	505	0.079	0.093	-15.1	
56654	504	0.063	0.075	-16.0		56808	503	0.069	0.083	-16.9		56918	501	0.034	0.040	-15.0	
56654	505	0.052	0.062	-16.1		56808	504	0.067	0.081	-17.3		56918	503	0.030	0.036	-16.7	
56690	501	0.054	0.064	-15.6		56808	505	0.060	0.072	-16.7		56918	504	0.045	0.054	-16.7	
56690	503	0.053	0.063	-15.9		56900	501	0.037	0.044	-15.9		56918	505	0.038	0.045	-15.6	
56690	504	0.061	0.073	-16.4		56900	503	0.066	0.080	-17.5		56919	501	0.087	0.103	-15.5	
56690	505	0.044	0.052	-15.4		56900	504	0.064	0.077	-16.9		56919	503	0.077	0.092	-16.3	
56699	501	0.025	0.031	-19.4		56900	505	0.057	0.069	-17.4		56919	504	0.116	0.138	-15.9	
56699	503	0.046	0.055	-16.4		56910	501	0.018	0.022	-18.2		56919	505	0.096	0.114	-15.8	
56699	504	0.044	0.053	-17.0		56910	503	0.033	0.040	-17.5		56920	501	0.079	0.094	-16.0	
56699	505	0.040	0.048	-16.7		56910	504	0.032	0.039	-17.9		56920	503	0.071	0.084	-15.5	
56758	501	0.021	0.026	-19.2		56910	505	0.029	0.035	-17.1		56920	504	0.106	0.126	-15.9	
56758	503	0.039	0.047	-17.0		56911	501	0.069	0.082	-15.9		56920	505	0.088	0.104	-15.4	
56758	504	0.038	0.045	-15.6		56911	503	0.062	0.073	-15.1		56980	501	0.032	0.038	-15.8	
56758	505	0.034	0.041	-17.1		56911	504	0.093	0.110	-15.5		56980	503	0.057	0.069	-17.4	
56759	501	0.022	0.026	-15.4		56911	505	0.077	0.091	-15.4		56980	504	0.056	0.067	-16.4	
56759	503	0.040	0.048	-16.7		56912	501	0.056	0.067	-16.4		56980	505	0.050	0.060	-16.7	
56759	504	0.039	0.046	-15.2		56912	503	0.050	0.060	-16.7		57001	501	0.011	0.013	-15.4	
56759	505	0.034	0.042	-19.0		56912	504	0.075	0.089	-15.7		57001	503	0.020	0.024	-16.7	
56760	501	0.032	0.038	-15.8		56912	505	0.062	0.074	-16.2		57001	504	0.019	0.023	-17.4	
56760	503	0.057	0.069	-17.4		56913	501	0.046	0.054	-14.8		57001	505	0.017	0.021	-19.0	
56760	504	0.055	0.067	-17.9		56913	503	0.041	0.048	-14.6		57002	501	0.007	0.008	-12.5	
56760	505	0.050	0.060	-16.7		56913	504	0.061	0.073	-16.4		57002	503	0.013	0.015	-13.3	
56805	501	0.042	0.050	-16.0		56913	505	0.051	0.060	-15.0		57002	504	0.012	0.015	-20.0	

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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
57002	505	0.011	0.013	-15.4		57572	504	0.010	0.012	-16.7		57798	503	0.016	0.020	-20.0	
57090	501	0.127	0.150	-15.3		57572	505	0.009	0.011	-18.2		57798	504	0.016	0.019	-15.8	
57090	503	0.113	0.134	-15.7		57600	501	0.017	0.020	-15.0		57798	505	0.014	0.017	-17.6	
57090	504	0.170	0.202	-15.8		57600	503	0.030	0.037	-18.9		57800	501	0.034	0.041	-17.1	
57090	505	0.141	0.167	-15.6		57600	504	0.029	0.035	-17.1		57800	503	0.061	0.074	-17.6	
57146	501	0.080	0.095	-15.8		57600	505	0.026	0.032	-18.8		57800	504	0.059	0.072	-18.1	
57146	503	0.072	0.085	-15.3		57611	501	0.042	0.049	-14.3		57800	505	0.053	0.064	-17.2	
57146	504	0.108	0.128	-15.6		57611	503	0.037	0.044	-15.9		57808	501	0.021	0.025	-16.0	
57146	505	0.089	0.106	-16.0		57611	504	0.056	0.066	-15.2		57808	503	0.019	0.023	-17.4	
57202	501	0.028	0.034	-17.6		57611	505	0.046	0.055	-16.4		57808	504	0.029	0.034	-14.7	
57202	503	0.051	0.061	-16.4		57625	501	0.147	0.177	-16.9		57808	505	0.024	0.028	-14.3	
57202	504	0.049	0.059	-16.9		57625	503	0.270	0.320	-15.6		57809	501	0.022	0.026	-15.4	
57202	505	0.044	0.053	-17.0		57625	504	0.260	0.310	-16.1		57809	503	0.020	0.024	-16.7	
57257	501	0.035	0.042	-16.7		57625	505	0.231	0.280	-17.5		57809	504	0.030	0.035	-14.3	
57257	503	0.063	0.076	-17.1		57651	501	0.018	0.022	-18.2		57809	505	0.025	0.029	-13.8	
57257	504	0.061	0.074	-17.6		57651	503	0.032	0.039	-17.9		57810	501	0.021	0.025	-16.0	
57257	505	0.055	0.066	-16.7		57651	504	0.031	0.038	-18.4		57810	503	0.019	0.023	-17.4	
57401	501	0.020	0.024	-16.7		57651	505	0.028	0.034	-17.6		57810	504	0.029	0.034	-14.7	
57401	503	0.036	0.043	-16.3		57690	501	0.054	0.064	-15.6		57810	505	0.024	0.028	-14.3	
57401	504	0.035	0.042	-16.7		57690	503	0.048	0.057	-15.8		57871	501	0.026	0.030	-13.3	
57401	505	0.031	0.037	-16.2		57690	504	0.072	0.086	-16.3		57871	503	0.023	0.027	-14.8	
57403	501	0.129	0.153	-15.7		57690	505	0.060	0.071	-15.5		57871	504	0.034	0.041	-17.1	
57403	503	0.127	0.150	-15.3		57716	501	0.026	0.030	-13.3		57871	505	0.029	0.034	-14.7	
57403	504	0.145	0.173	-16.2		57716	503	0.023	0.027	-14.8		57913	501	0.044	0.053	-17.0	
57403	505	0.104	0.123	-15.4		57716	504	0.034	0.041	-17.1		57913	503	0.079	0.096	-17.7	
57410	501	0.010	0.012	-16.7		57716	505	0.029	0.034	-14.7		57913	504	0.077	0.093	-17.2	
57410	503	0.017	0.021	-19.0		57725	501	0.056	0.067	-16.4		57913	505	0.069	0.083	-16.9	
57410	504	0.017	0.020	-15.0		57725	503	0.050	0.060	-16.7		57997	501	0.090	0.105	-14.3	
57410	505	0.015	0.018	-16.7		57725	504	0.075	0.089	-15.7		57997	503	0.098	0.114	-14.0	
57411	501	0.019	0.023	-17.4		57725	505	0.062	0.074	-16.2		57997	504	0.067	0.077	-13.0	
57411	503	0.017	0.021	-19.0		57726	501	0.044	0.052	-15.4		57997	505	0.104	0.120	-13.3	
57411	504	0.026	0.031	-16.1		57726	503	0.039	0.046	-15.2		57998	501	0.019	0.023	-17.4	
57411	505	0.022	0.026	-15.4		57726	504	0.058	0.070	-17.1		57998	503	0.035	0.042	-16.7	
57572	501	0.006	0.007	-14.3		57726	505	0.049	0.057	-14.0		57998	504	0.034	0.041	-17.1	
57572	503	0.010	0.012	-16.7		57798	501	0.009	0.011	-18.2		57998	505	0.030	0.037	-18.9	

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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
57999	501	0.035	0.042	-16.7		58096	505	0.089	0.107	-16.8		58459	504	0.060	0.070	-14.3	
57999	503	0.032	0.037	-13.5		58301	501	0.027	0.032	-15.6		58459	505	0.094	0.108	-13.0	
57999	504	0.047	0.056	-16.1		58301	503	0.024	0.029	-17.2		58503	501	0.024	0.029	-17.2	
57999	505	0.039	0.046	-15.2		58301	504	0.036	0.043	-16.3		58503	503	0.043	0.052	-17.3	
58009	501	0.035	0.042	-16.7		58301	505	0.030	0.036	-16.7		58503	504	0.042	0.050	-16.0	
58009	503	0.032	0.037	-13.5		58302	501	0.015	0.018	-16.7		58503	505	0.037	0.045	-17.8	
58009	504	0.047	0.056	-16.1		58302	503	0.028	0.034	-17.6		58532	501	0.031	0.037	-16.2	
58009	505	0.039	0.046	-15.2		58302	504	0.027	0.032	-15.6		58532	503	0.056	0.067	-16.4	
58010	501	0.045	0.054	-16.7		58302	505	0.024	0.029	-17.2		58532	504	0.054	0.065	-16.9	
58010	503	0.082	0.099	-17.2		58397	501	0.089	0.107	-16.8		58532	505	0.048	0.058	-17.2	
58010	504	0.079	0.095	-16.8		58397	503	0.161	0.195	-17.4		58559	501	0.006	0.008	-25.0	
58010	505	0.071	0.085	-16.5		58397	504	0.156	0.188	-17.0		58559	503	0.011	0.014	-21.4	
58020	501	0.138	0.164	-15.9		58397	505	0.140	0.168	-16.7		58559	504	0.011	0.013	-15.4	
58020	503	0.136	0.161	-15.5		58408	501	0.053	0.062	-14.5		58559	505	0.010	0.012	-16.7	
58020	504	0.156	0.185	-15.7		58408	503	0.058	0.067	-13.4		58560	501	0.015	0.018	-16.7	
58020	505	0.112	0.132	-15.2		58408	504	0.040	0.046	-13.0		58560	503	0.027	0.033	-18.2	
58056	501	0.054	0.065	-16.9		58408	505	0.062	0.071	-12.7		58560	504	0.026	0.032	-18.8	
58056	503	0.098	0.118	-16.9		58409	501	0.068	0.078	-12.8		58560	505	0.024	0.028	-14.3	
58056	504	0.094	0.114	-17.5		58409	503	0.074	0.085	-12.9		58575	501	0.019	0.023	-17.4	
58056	505	0.084	0.102	-17.6		58409	504	0.050	0.058	-13.8		58575	503	0.035	0.042	-16.7	
58057	501	0.034	0.041	-17.1		58409	505	0.078	0.090	-13.3		58575	504	0.034	0.041	-17.1	
58057	503	0.061	0.074	-17.6		58456	501	0.036	0.042	-14.3		58575	505	0.030	0.037	-18.9	
58057	504	0.059	0.072	-18.1		58456	503	0.039	0.045	-13.3		58627	501	0.062	0.075	-17.3	
58057	505	0.053	0.064	-17.2		58456	504	0.027	0.031	-12.9		58627	503	0.113	0.136	-16.9	
58058	501	0.030	0.037	-18.9		58456	505	0.042	0.048	-12.5		58627	504	0.109	0.132	-17.4	
58058	503	0.055	0.067	-17.9		58457	501	0.052	0.061	-14.8		58627	505	0.098	0.118	-16.9	
58058	504	0.053	0.064	-17.2		58457	503	0.057	0.066	-13.6		58663	501	0.178	0.211	-15.6	
58058	505	0.048	0.057	-15.8		58457	504	0.039	0.045	-13.3		58663	503	0.159	0.189	-15.9	
58095	501	0.043	0.052	-17.3		58457	505	0.061	0.070	-12.9		58663	504	0.238	0.280	-15.0	
58095	503	0.078	0.094	-17.0		58458	501	0.068	0.078	-12.8		58663	505	0.198	0.234	-15.4	
58095	504	0.075	0.091	-17.6		58458	503	0.074	0.085	-12.9		58682	501	0.055	0.067	-17.9	
58095	505	0.067	0.081	-17.3		58458	504	0.050	0.058	-13.8		58682	503	0.101	0.121	-16.5	
58096	501	0.057	0.069	-17.4		58458	505	0.078	0.090	-13.3		58682	504	0.097	0.117	-17.1	
58096	503	0.103	0.124	-16.9		58459	501	0.081	0.094	-13.8		58682	505	0.087	0.105	-17.1	
58096	504	0.100	0.120	-16.7		58459	503	0.088	0.102	-13.7		58713	501	0.040	0.048	-16.7	

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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
58713	503	0.039	0.047	-17.0		58840	501	0.049	0.058	-15.5		59188	505	0.223	0.260	-14.2	
58713	504	0.045	0.054	-16.7		58840	503	0.044	0.052	-15.4		59189	501	0.380	0.450	-15.6	
58713	505	0.032	0.038	-15.8		58840	504	0.066	0.078	-15.4		59189	503	0.370	0.440	-15.9	
58737	501	0.040	0.049	-18.4		58840	505	0.055	0.065	-15.4		59189	504	0.420	0.500	-16.0	
58737	503	0.073	0.088	-17.0		58873	501	0.078	0.093	-16.1		59189	505	0.310	0.360	-13.9	
58737	504	0.071	0.085	-16.5		58873	503	0.070	0.083	-15.7		59223	501	0.081	0.096	-15.6	
58737	505	0.063	0.076	-17.1		58873	504	0.105	0.125	-16.0		59223	503	0.072	0.086	-16.3	
58756	501	0.033	0.039	-15.4		58873	505	0.087	0.103	-15.5		59223	504	0.108	0.129	-16.3	
58756	503	0.030	0.035	-14.3		58903	501	0.012	0.014	-14.3		59223	505	0.090	0.107	-15.9	
58756	504	0.045	0.053	-15.1		58903	503	0.022	0.026	-15.4		59257	501	0.006	0.007	-14.3	
58756	505	0.037	0.044	-15.9		58903	504	0.021	0.025	-16.0		59257	503	0.011	0.013	-15.4	
58757	501	0.136	0.164	-17.1		58903	505	0.019	0.023	-17.4		59257	504	0.011	0.013	-15.4	
58757	503	0.246	0.300	-18.0		58904	501	0.009	0.011	-18.2		59257	505	0.010	0.012	-16.7	
58757	504	0.238	0.290	-17.9		58904	503	0.017	0.020	-15.0		59306	501	0.038	0.046	-17.4	
58757	505	0.213	0.260	-18.1		58904	504	0.016	0.019	-15.8		59306	503	0.070	0.084	-16.7	
58759	501	0.017	0.020	-15.0		58904	505	0.014	0.017	-17.6		59306	504	0.067	0.081	-17.3	
58759	503	0.030	0.037	-18.9		58922	501	0.130	0.154	-15.6		59306	505	0.060	0.073	-17.8	
58759	504	0.029	0.035	-17.1		58922	503	0.116	0.138	-15.9		59378	501	0.053	0.062	-14.5	
58759	505	0.026	0.032	-18.8		58922	504	0.174	0.207	-15.9		59378	503	0.047	0.056	-16.1	
58802	501	0.019	0.023	-17.4		58922	505	0.145	0.171	-15.2		59378	504	0.070	0.084	-16.7	
58802	503	0.035	0.042	-16.7		59005	501	0.023	0.027	-14.8		59378	505	0.059	0.069	-14.5	
58802	504	0.033	0.040	-17.5		59005	503	0.041	0.050	-18.0		59481	501	0.103	0.125	-17.6	
58802	505	0.030	0.036	-16.7		59005	504	0.040	0.048	-16.7		59481	503	0.187	0.226	-17.3	
58813	501	0.082	0.097	-15.5		59005	505	0.036	0.043	-16.3		59481	504	0.181	0.219	-17.4	
58813	503	0.073	0.087	-16.1		59057	501	0.168	0.203	-17.2		59481	505	0.162	0.195	-16.9	
58813	504	0.109	0.130	-16.2		59057	503	0.310	0.370	-16.2		59482	501	0.290	0.340	-14.7	
58813	505	0.091	0.107	-15.0		59057	504	0.300	0.360	-16.7		59482	503	0.280	0.330	-15.2	
58822	501	0.052	0.063	-17.5		59057	505	0.260	0.320	-18.8		59482	504	0.320	0.380	-15.8	
58822	503	0.095	0.115	-17.4		59058	501	0.109	0.131	-16.8		59482	505	0.232	0.270	-14.1	
58822	504	0.092	0.111	-17.1		59058	503	0.198	0.238	-16.8		59537	501	0.057	0.067	-14.9	
58822	505	0.082	0.099	-17.2		59058	504	0.191	0.230	-17.0		59537	503	0.051	0.060	-15.0	
58837	501	0.164	0.195	-15.9		59058	505	0.171	0.206	-17.0		59537	504	0.076	0.090	-15.6	
58837	503	0.147	0.174	-15.5		59188	501	0.270	0.330	-18.2		59537	505	0.063	0.075	-16.0	
58837	504	0.220	0.260	-15.4		59188	503	0.270	0.320	-15.6		59601	501	0.039	0.047	-17.0	
58837	505	0.183	0.216	-15.3		59188	504	0.310	0.370	-16.2		59601	503	0.071	0.085	-16.5	

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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
59601	504	0.068	0.082	-17.1		59724	503	0.035	0.042	-16.7		59781	501	0.037	0.044	-15.9	
59601	505	0.061	0.074	-17.6		59724	504	0.034	0.041	-17.1		59781	503	0.033	0.039	-15.4	
59647	501	0.128	0.152	-15.8		59724	505	0.030	0.036	-16.7		59781	504	0.049	0.058	-15.5	
59647	503	0.126	0.149	-15.4		59725	501	0.024	0.029	-17.2		59781	505	0.041	0.048	-14.6	
59647	504	0.144	0.171	-15.8		59725	503	0.043	0.052	-17.3		59782	501	0.055	0.065	-15.4	
59647	505	0.104	0.122	-14.8		59725	504	0.042	0.051	-17.6		59782	503	0.049	0.058	-15.5	
59660	501	0.072	0.086	-16.3		59725	505	0.037	0.045	-17.8		59782	504	0.073	0.087	-16.1	
59660	503	0.130	0.157	-17.2		59726	501	0.017	0.021	-19.0		59782	505	0.061	0.072	-15.3	
59660	504	0.126	0.152	-17.1		59726	503	0.032	0.038	-15.8		59783	501	0.053	0.063	-15.9	
59660	505	0.112	0.135	-17.0		59726	504	0.030	0.037	-18.9		59783	503	0.048	0.057	-15.8	
59661	501	0.035	0.042	-16.7		59726	505	0.027	0.033	-18.2		59783	504	0.071	0.085	-16.5	
59661	503	0.064	0.077	-16.9		59738	501	0.055	0.067	-17.9		59783	505	0.059	0.070	-15.7	
59661	504	0.062	0.074	-16.2		59738	503	0.101	0.121	-16.5		59784	501	0.041	0.048	-14.6	
59661	505	0.055	0.066	-16.7		59738	504	0.097	0.117	-17.1		59784	503	0.037	0.043	-14.0	
59693	501	0.006	0.007	-14.3		59738	505	0.087	0.105	-17.1		59784	504	0.055	0.065	-15.4	
59693	503	0.011	0.013	-15.4		59750	501	0.042	0.050	-16.0		59784	505	0.045	0.054	-16.7	
59693	504	0.010	0.012	-16.7		59750	503	0.038	0.045	-15.6		59790	501	0.043	0.052	-17.3	
59693	505	0.009	0.011	-18.2		59750	504	0.057	0.067	-14.9		59790	503	0.078	0.094	-17.0	
59701	501	0.003	0.004	-25.0		59750	505	0.047	0.056	-16.1		59790	504	0.075	0.091	-17.6	
59701	503	0.005	0.006	-16.7		59751	501	0.015	0.018	-16.7		59790	505	0.067	0.081	-17.3	
59701	504	0.005	0.006	-16.7		59751	503	0.014	0.016	-12.5		59798	501	0.139	0.165	-15.8	
59701	505	0.004	0.005	-20.0		59751	504	0.020	0.024	-16.7		59798	503	0.124	0.148	-16.2	
59713	501	0.064	0.077	-16.9		59751	505	0.017	0.020	-15.0		59798	504	0.186	0.222	-16.2	
59713	503	0.116	0.140	-17.1		59773	501	0.016	0.019	-15.8		59798	505	0.155	0.183	-15.3	
59713	504	0.112	0.136	-17.6		59773	503	0.016	0.019	-15.8		59806	501	0.100	0.118	-15.3	
59713	505	0.101	0.121	-16.5		59773	504	0.018	0.022	-18.2		59806	503	0.089	0.106	-16.0	
59722	501	0.033	0.040	-17.5		59773	505	0.013	0.016	-18.8		59806	504	0.134	0.159	-15.7	
59722	503	0.060	0.073	-17.8		59774	501	0.013	0.016	-18.8		59806	505	0.111	0.131	-15.3	
59722	504	0.058	0.070	-17.1		59774	503	0.013	0.016	-18.8		59867	501	0.048	0.058	-17.2	
59722	505	0.052	0.063	-17.5		59774	504	0.015	0.018	-16.7		59867	503	0.087	0.105	-17.1	
59723	501	0.013	0.015	-13.3		59774	505	0.011	0.013	-15.4		59867	504	0.084	0.102	-17.6	
59723	503	0.023	0.027	-14.8		59775	501	0.017	0.020	-15.0		59867	505	0.076	0.091	-16.5	
59723	504	0.022	0.026	-15.4		59775	503	0.017	0.020	-15.0		59886	501	0.007	0.008	-12.5	
59723	505	0.020	0.024	-16.7		59775	504	0.019	0.023	-17.4		59886	503	0.012	0.014	-14.3	
59724	501	0.019	0.023	-17.4		59775	505	0.014	0.016	-12.5		59886	504	0.011	0.014	-21.4	

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59886	505	0.010	0.012	-16.7		59925	504	0.360	0.410	-12.2		59964	503	0.320	0.390	-17.9	
59889	501	0.053	0.063	-15.9		59925	505	0.290	0.330	-12.1		59964	504	0.310	0.380	-18.4	
59889	503	0.053	0.062	-14.5		59926	501	0.290	0.330	-12.1		59964	505	0.280	0.340	-17.6	
59889	504	0.060	0.072	-16.7		59926	503	0.340	0.390	-12.8		59970	501	0.048	0.057	-15.8	
59889	505	0.043	0.051	-15.7		59926	504	0.310	0.350	-11.4		59970	503	0.043	0.051	-15.7	
59892	501	0.053	0.063	-15.9		59926	505	0.246	0.280	-12.1		59970	504	0.065	0.077	-15.6	
59892	503	0.048	0.057	-15.8		59927	501	0.194	0.221	-12.2		59970	505	0.054	0.064	-15.6	
59892	504	0.071	0.085	-16.5		59927	503	0.229	0.260	-11.9		59973	501	0.049	0.059	-16.9	
59892	505	0.059	0.070	-15.7		59927	504	0.207	0.237	-12.7		59973	503	0.089	0.107	-16.8	
59904	501	0.036	0.043	-16.3		59927	505	0.165	0.189	-12.7		59973	504	0.086	0.104	-17.3	
59904	503	0.032	0.038	-15.8		59931	501	0.080	0.096	-16.7		59973	505	0.077	0.093	-17.2	
59904	504	0.048	0.057	-15.8		59931	503	0.144	0.174	-17.2		59975	501	0.068	0.080	-15.0	
59904	505	0.040	0.047	-14.9		59931	504	0.139	0.168	-17.3		59975	503	0.061	0.072	-15.3	
59905	501	0.030	0.036	-16.7		59931	505	0.125	0.150	-16.7		59975	504	0.091	0.108	-15.7	
59905	503	0.055	0.066	-16.7		59932	501	0.086	0.103	-16.5		59975	505	0.075	0.089	-15.7	
59905	504	0.053	0.064	-17.2		59932	503	0.155	0.188	-17.6		59977	501	0.039	0.046	-15.2	
59905	505	0.047	0.057	-17.5		59932	504	0.150	0.181	-17.1		59977	503	0.035	0.041	-14.6	
59914	501	0.177	0.214	-17.3		59932	505	0.135	0.162	-16.7		59977	504	0.052	0.062	-16.1	
59914	503	0.320	0.390	-17.9		59941	501	0.027	0.032	-15.6		59977	505	0.043	0.051	-15.7	
59914	504	0.310	0.370	-16.2		59941	503	0.048	0.058	-17.2		59984	501	0.013	0.016	-18.8	
59914	505	0.280	0.330	-15.2		59941	504	0.047	0.056	-16.1		59984	503	0.024	0.029	-17.2	
59915	501	0.120	0.142	-15.5		59941	505	0.042	0.050	-16.0		59984	504	0.024	0.028	-14.3	
59915	503	0.107	0.127	-15.7		59947	501	0.036	0.043	-16.3		59984	505	0.021	0.025	-16.0	
59915	504	0.160	0.191	-16.2		59947	503	0.032	0.038	-15.8		59985	501	0.053	0.063	-15.9	
59915	505	0.133	0.158	-15.8		59947	504	0.048	0.057	-15.8		59985	503	0.095	0.115	-17.4	
59917	501	0.022	0.026	-15.4		59947	505	0.040	0.047	-14.9		59985	504	0.092	0.111	-17.1	
59917	503	0.020	0.024	-16.7		59955	501	0.010	0.012	-16.7		59985	505	0.082	0.099	-17.2	
59917	504	0.030	0.035	-14.3		59955	503	0.019	0.022	-13.6		59986	501	0.040	0.048	-16.7	
59917	505	0.025	0.029	-13.8		59955	504	0.018	0.022	-18.2		59986	503	0.073	0.088	-17.0	
59923	501	0.004	0.005	-20.0		59955	505	0.016	0.019	-15.8		59986	504	0.070	0.085	-17.6	
59923	503	0.008	0.010	-20.0		59963	501	0.076	0.092	-17.4		59986	505	0.063	0.076	-17.1	
59923	504	0.008	0.009	-11.1		59963	503	0.138	0.166	-16.9		59988	501	0.017	0.021	-19.0	
59923	505	0.007	0.008	-12.5		59963	504	0.133	0.161	-17.4		59988	503	0.015	0.018	-16.7	
59925	501	0.340	0.390	-12.8		59963	505	0.119	0.144	-17.4		59988	504	0.023	0.028	-17.9	
59925	503	0.400	0.460	-13.0		59964	501	0.178	0.215	-17.2		59988	505	0.019	0.023	-17.4	

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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
59989	501	0.007	0.008	-12.5		61000	505	10.400	9.530	+9.1		61227	504	30.800	28.000	+10.0	
59989	503	0.013	0.015	-13.3		61212	501	17.300	15.700	+10.2		61227	505	36.700	33.800	+8.6	
59989	504	0.012	0.015	-20.0		61212	503	13.200	12.300	+7.3		62000	501	13.100	12.000	+9.2	
59989	505	0.011	0.013	-15.4		61212	504	9.220	8.370	+10.2		62000	503	10.000	9.370	+6.7	
60010	501	19.800	17.900	+10.6		61212	505	11.000	10.100	+8.9		62000	504	7.010	6.360	+10.2	
60010	503	12.300	11.400	+7.9		61216	501	19.200	17.500	+9.7		62000	505	8.350	7.690	+8.6	
60010	504	10.500	9.440	+11.2		61216	503	14.700	13.700	+7.3		62001	501	10.400	9.430	+10.3	
60010	505	10.500	9.630	+9.0		61216	504	10.200	9.290	+9.8		62001	503	7.920	7.390	+7.2	
60011	501	22.700	20.600	+10.2		61216	505	12.200	11.200	+8.9		62001	504	5.530	5.020	+10.2	
60011	503	14.100	13.200	+6.8		61217	501	17.400	15.900	+9.4		62001	505	6.590	6.070	+8.6	
60011	504	12.000	10.900	+10.1		61217	503	13.300	12.400	+7.3		62002	501	4.730	4.310	+9.7	
60011	505	12.100	11.100	+9.0		61217	504	9.310	8.450	+10.2		62002	503	3.620	3.380	+7.1	
60012	501	37.300	33.900	+10.0		61217	505	11.100	10.200	+8.8		62002	504	2.530	2.290	+10.5	
60012	503	23.200	21.600	+7.4		61218	501	11.900	10.800	+10.2		62002	505	3.010	2.770	+8.7	
60012	504	19.800	17.800	+11.2		61218	503	9.110	8.500	+7.2		62003	501	14.900	13.600	+9.6	
60012	505	19.900	18.200	+9.3		61218	504	6.360	5.770	+10.2		62003	503	11.400	10.600	+7.5	
60013	501	32.000	29.000	+10.3		61218	505	7.580	6.980	+8.6		62003	504	7.950	7.220	+10.1	
60013	503	19.900	18.500	+7.6		61223	501	84.700	77.100	+9.9		62003	505	9.480	8.730	+8.6	
60013	504	16.900	15.300	+10.5		61223	503	64.800	60.500	+7.1		63010	501	35.600	32.300	+10.2	
60013	505	17.000	15.600	+9.0		61223	504	45.200	41.100	+10.0		63010	503	22.100	20.600	+7.3	
60015	501	23.900	21.700	+10.1		61223	505	53.900	49.600	+8.7		63010	504	18.800	17.000	+10.6	
60015	503	14.900	13.800	+8.0		61224	501	27.000	24.600	+9.8		63010	505	18.900	17.300	+9.2	
60015	504	12.600	11.400	+10.5		61224	503	20.600	19.300	+6.7		63011	501	44.500	40.300	+10.4	
60015	505	12.700	11.600	+9.5		61224	504	14.400	13.100	+9.9		63011	503	27.700	25.700	+7.8	
60016	501	26.900	24.400	+10.2		61224	505	17.200	15.800	+8.9		63011	504	23.500	21.200	+10.8	
60016	503	16.700	15.600	+7.1		61225	501	37.500	34.100	+10.0		63011	505	23.600	21.700	+8.8	
60016	504	14.200	12.800	+10.9		61225	503	28.600	26.700	+7.1		63012	501	63.200	57.300	+10.3	
60016	505	14.300	13.100	+9.2		61225	504	20.000	18.200	+9.9		63012	503	39.300	36.600	+7.4	
60035	501	33.800	30.800	+9.7		61225	505	23.800	21.900	+8.7		63012	504	33.400	30.200	+10.6	
60035	503	25.800	24.100	+7.1		61226	501	63.100	57.400	+9.9		63012	505	33.600	30.800	+9.1	
60035	504	18.000	16.400	+9.8		61226	503	48.200	45.000	+7.1		63013	501	59.900	54.300	+10.3	
60035	505	21.500	19.800	+8.6		61226	504	33.600	30.500	+10.2		63013	503	37.200	34.700	+7.2	
61000	501	19.600	17.700	+10.7		61226	505	40.100	36.900	+8.7		63013	504	31.700	28.600	+10.8	
61000	503	12.200	11.300	+8.0		61227	501	57.700	52.500	+9.9		63013	505	31.800	29.200	+8.9	
61000	504	10.300	9.350	+10.2		61227	503	44.100	41.200	+7.0		63215	501	49.300	44.900	+9.8	

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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
63215	503	37.700	35.200	+7.1		66309	501	20.700	18.900	+9.5		67513	505	23.200	21.200	+9.4	
63215	504	26.300	23.900	+10.0		66309	503	15.800	14.800	+6.8		67634	501	38.600	35.100	+10.0	
63215	505	31.300	28.900	+8.3		66309	504	11.100	10.000	+11.0		67634	503	29.500	27.500	+7.3	
63216	501	34.200	31.100	+10.0		66309	505	13.200	12.100	+9.1		67634	504	20.600	18.700	+10.2	
63216	503	26.100	24.400	+7.0		66561	501	48.000	43.700	+9.8		67634	505	24.500	22.600	+8.4	
63216	504	18.200	16.600	+9.6		66561	503	36.700	34.300	+7.0		67635	501	27.300	24.800	+10.1	
63216	505	21.700	20.000	+8.5		66561	504	25.600	23.300	+9.9		67635	503	20.800	19.500	+6.7	
63217	501	41.500	36.900	+12.5		66561	505	30.500	28.100	+8.5		67635	504	14.600	13.200	+10.6	
63217	503	34.500	31.400	+9.9		67017	501	44.600	40.600	+9.9		67635	505	17.300	16.000	+8.1	
63217	504	36.600	32.400	+13.0		67017	503	34.000	31.800	+6.9		68001	501	83.300	75.800	+9.9	
63217	505	40.600	36.500	+11.2		67017	504	23.800	21.600	+10.2		68001	503	63.600	59.400	+7.1	
63218	501	14.000	12.400	+12.9		67017	505	28.300	26.100	+8.4		68001	504	44.400	40.300	+10.2	
63218	503	11.600	10.600	+9.4		67508	501	40.200	36.300	+10.7		68001	505	53.000	48.800	+8.6	
63218	504	12.300	10.900	+12.8		67508	503	43.800	40.500	+8.1		68439	501	107.000	97.500	+9.7	
63218	505	13.700	12.300	+11.4		67508	504	21.600	19.500	+10.8		68439	503	81.800	76.400	+7.1	
64074	501	32.100	28.400	+13.0		67508	505	19.400	17.600	+10.2		68439	504	57.100	51.900	+10.0	
64074	503	14.600	13.300	+9.8		67509	501	29.500	26.600	+10.9		68439	505	68.100	62.700	+8.6	
64074	504	13.000	11.500	+13.0		67509	503	32.100	29.700	+8.1		68500	501	4.350	3.940	+10.4	
64074	505	11.300	10.100	+11.9		67509	504	15.900	14.300	+11.2		68500	503	2.700	2.520	+7.1	
64075	501	22.600	20.000	+13.0		67509	505	14.200	12.900	+10.1		68500	504	2.300	2.080	+10.6	
64075	503	10.300	9.330	+10.4		67510	501	16.400	14.800	+10.8		68500	505	2.310	2.120	+9.0	
64075	504	9.160	8.080	+13.4		67510	503	17.900	16.500	+8.5		68604	501	2.000	1.820	+9.9	
64075	505	7.980	7.140	+11.8		67510	504	8.840	7.950	+11.2		68604	503	1.530	1.430	+7.0	
65007	501	30.000	27.300	+9.9		67510	505	7.910	7.210	+9.7		68604	504	1.070	0.970	+10.3	
65007	503	22.900	21.400	+7.0		67511	501	17.800	16.000	+11.3		68604	505	1.270	1.170	+8.5	
65007	504	16.000	14.500	+10.3		67511	503	19.300	17.900	+7.8		68606	501	7.830	7.120	+10.0	
65007	505	19.100	17.600	+8.5		67511	504	9.560	8.600	+11.2		68606	503	5.980	5.580	+7.2	
66122	501	12.900	11.700	+10.3		67511	505	8.550	7.800	+9.6		68606	504	4.180	3.790	+10.3	
66122	503	9.860	9.210	+7.1		67512	501	76.100	68.600	+10.9		68606	505	4.980	4.580	+8.7	
66122	504	6.890	6.250	+10.2		67512	503	82.900	76.600	+8.2		68607	501	6.180	5.630	+9.8	
66122	505	8.210	7.560	+8.6		67512	504	40.900	36.800	+11.1		68607	503	4.730	4.410	+7.3	
66123	501	7.100	6.460	+9.9		67512	505	36.600	33.400	+9.6		68607	504	3.300	3.000	+10.0	
66123	503	5.430	5.070	+7.1		67513	501	48.300	43.500	+11.0		68607	505	3.930	3.620	+8.6	
66123	504	3.790	3.440	+10.2		67513	503	52.600	48.600	+8.2		68702	501	5.100	4.640	+9.9	
66123	505	4.520	4.160	+8.7		67513	504	26.000	23.400	+11.1		68702	503	3.890	3.640	+6.9	

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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
68702	504	2.720	2.470	+10.1		91135	503	0.350	0.400	-12.5		91235	501	2.780	3.320	-16.3	
68702	505	3.240	2.980	+8.7		91135	504	0.350	0.400	-12.5		91235	503	2.780	3.320	-16.3	
68703	501	3.820	3.480	+9.8		91135	505	0.350	0.400	-12.5		91235	504	2.780	3.320	-16.3	
68703	503	2.920	2.720	+7.4		91150	501	2.270	2.720	-16.5		91235	505	2.780	3.320	-16.3	
68703	504	2.040	1.850	+10.3		91150	503	2.270	2.720	-16.5		91250	501	4.180	5.000	-16.4	
68703	505	2.430	2.240	+8.5		91150	504	2.270	2.720	-16.5		91250	503	4.180	5.000	-16.4	
68706	501	16.400	14.900	+10.1		91150	505	2.270	2.720	-16.5		91250	504	4.180	5.000	-16.4	
68706	503	12.500	11.700	+6.8		91155	501	5.050	6.040	-16.4		91250	505	4.180	5.000	-16.4	
68706	504	8.730	7.930	+10.1		91155	503	5.050	6.040	-16.4		91265	501	15.300	17.500	-12.6	
68706	505	10.400	9.580	+8.6		91155	504	5.050	6.040	-16.4		91265	503	15.300	17.500	-12.6	
68707	501	16.200	14.700	+10.2		91155	505	5.050	6.040	-16.4		91265	504	15.300	17.500	-12.6	
68707	503	12.400	11.500	+7.8		91160	501	1.030	1.200	-14.2		91265	505	15.300	17.500	-12.6	
68707	504	8.640	7.840	+10.2		91160	503	1.030	1.200	-14.2		91266	501	8.100	9.280	-12.7	
68707	505	10.300	9.480	+8.6		91160	504	1.030	1.200	-14.2		91266	503	8.100	9.280	-12.7	
90089	501	4.260	4.970	-14.3		91160	505	1.030	1.200	-14.2		91266	504	8.100	9.280	-12.7	
90089	503	4.260	4.970	-14.3		91175	501	0.890	1.030	-13.6		91266	505	8.100	9.280	-12.7	
90089	504	4.260	4.970	-14.3		91175	503	0.890	1.030	-13.6		91302	501	16.200	18.700	-13.4	
90089	505	4.260	4.970	-14.3		91175	504	0.890	1.030	-13.6		91302	503	16.200	18.700	-13.4	
91111	501	3.580	4.280	-16.4		91175	505	0.890	1.030	-13.6		91302	504	16.200	18.700	-13.4	
91111	503	3.580	4.280	-16.4		91177	501	3.880	4.520	-14.2		91302	505	16.200	18.700	-13.4	
91111	504	3.580	4.280	-16.4		91177	503	3.880	4.520	-14.2		91315	501	4.930	5.670	-13.1	
91111	505	3.580	4.280	-16.4		91177	504	3.880	4.520	-14.2		91315	503	4.930	5.670	-13.1	
91125	501	2.570	2.990	-14.0		91177	505	3.880	4.520	-14.2		91315	504	4.930	5.670	-13.1	
91125	503	2.570	2.990	-14.0		91179	501	3.900	4.540	-14.1		91315	505	4.930	5.670	-13.1	
91125	504	2.570	2.990	-14.0		91179	503	3.900	4.540	-14.1		91324	501	11.000	12.600	-12.7	
91125	505	2.570	2.990	-14.0		91179	504	3.900	4.540	-14.1		91324	503	11.000	12.600	-12.7	
91127	501	2.410	2.880	-16.3		91179	505	3.900	4.540	-14.1		91324	504	11.000	12.600	-12.7	
91127	503	2.410	2.880	-16.3		91190	501	2.090	2.440	-14.3		91324	505	11.000	12.600	-12.7	
91127	504	2.410	2.880	-16.3		91190	503	2.090	2.440	-14.3		91340	501	7.160	8.240	-13.1	
91127	505	2.410	2.880	-16.3		91190	504	2.090	2.440	-14.3		91340	503	7.160	8.240	-13.1	
91130	501	1.250	1.440	-13.2		91190	505	2.090	2.440	-14.3		91340	504	7.160	8.240	-13.1	
91130	503	1.250	1.440	-13.2		91200	501	0.720	0.820	-12.2		91340	505	7.160	8.240	-13.1	
91130	504	1.250	1.440	-13.2		91200	503	0.720	0.820	-12.2		91341	501	4.450	5.190	-14.3	
91130	505	1.250	1.440	-13.2		91200	504	0.720	0.820	-12.2		91341	503	4.450	5.190	-14.3	
91135	501	0.350	0.400	-12.5		91200	505	0.720	0.820	-12.2		91341	504	4.450	5.190	-14.3	

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91341	505	4.450	5.190	-14.3		91551	504	1.470	1.720	-14.5		91636	503	4.300	4.920	-12.6	
91342	501	6.570	7.560	-13.1		91551	505	1.470	1.720	-14.5		91636	504	4.300	4.920	-12.6	
91342	503	6.570	7.560	-13.1		91555	501	1.670	2.000	-16.5		91636	505	4.300	4.920	-12.6	
91342	504	6.570	7.560	-13.1		91555	503	1.670	2.000	-16.5		91641	501	1.160	1.330	-12.8	
91342	505	6.570	7.560	-13.1		91555	504	1.670	2.000	-16.5		91641	503	1.160	1.330	-12.8	
91343	501	0.980	1.140	-14.0		91555	505	1.670	2.000	-16.5		91641	504	1.160	1.330	-12.8	
91343	503	0.980	1.140	-14.0		91560	501	4.480	5.130	-12.7		91641	505	1.160	1.330	-12.8	
91343	504	0.980	1.140	-14.0		91560	503	4.480	5.130	-12.7		91666	501	0.920	1.070	-14.0	
91343	505	0.980	1.140	-14.0		91560	504	4.480	5.130	-12.7		91666	503	0.920	1.070	-14.0	
91405	501	8.340	9.600	-13.1		91560	505	4.480	5.130	-12.7		91666	504	0.920	1.070	-14.0	
91405	503	8.340	9.600	-13.1		91562	501	3.280	3.820	-14.1		91666	505	0.920	1.070	-14.0	
91405	504	8.340	9.600	-13.1		91562	503	3.280	3.820	-14.1		91722	501	3.760	4.310	-12.8	
91405	505	8.340	9.600	-13.1		91562	504	3.280	3.820	-14.1		91722	503	3.760	4.310	-12.8	
91436	501	5.040	5.870	-14.1		91562	505	3.280	3.820	-14.1		91722	504	3.760	4.310	-12.8	
91436	503	5.040	5.870	-14.1		91577	501	11.700	13.700	-14.6		91722	505	3.760	4.310	-12.8	
91436	504	5.040	5.870	-14.1		91577	503	11.700	13.700	-14.6		91746	501	3.280	3.820	-14.1	
91436	505	5.040	5.870	-14.1		91577	504	11.700	13.700	-14.6		91746	503	3.280	3.820	-14.1	
91481	501	18.400	21.400	-14.0		91577	505	11.700	13.700	-14.6		91746	504	3.280	3.820	-14.1	
91481	503	18.400	21.400	-14.0		91580	501	5.910	6.770	-12.7		91746	505	3.280	3.820	-14.1	
91481	504	18.400	21.400	-14.0		91580	503	5.910	6.770	-12.7		91805	501	0.206	0.240	-14.2	
91481	505	18.400	21.400	-14.0		91580	504	5.910	6.770	-12.7		91805	503	0.206	0.240	-14.2	
91507	501	2.710	3.160	-14.2		91580	505	5.910	6.770	-12.7		91805	504	0.206	0.240	-14.2	
91507	503	2.710	3.160	-14.2		91590	501	3.410	3.970	-14.1		91805	505	0.206	0.240	-14.2	
91507	504	2.710	3.160	-14.2		91590	503	3.410	3.970	-14.1		92053	501	0.510	0.590	-13.6	
91507	505	2.710	3.160	-14.2		91590	504	3.410	3.970	-14.1		92053	503	0.510	0.590	-13.6	
91523	501	41.800	48.700	-14.2		91590	505	3.410	3.970	-14.1		92053	504	0.510	0.590	-13.6	
91523	503	41.800	48.700	-14.2		91606	501	12.300	14.000	-12.1		92053	505	0.510	0.590	-13.6	
91523	504	41.800	48.700	-14.2		91606	503	12.300	14.000	-12.1		92054	501	0.174	0.203	-14.3	
91523	505	41.800	48.700	-14.2		91606	504	12.300	14.000	-12.1		92054	503	0.174	0.203	-14.3	
91547	501	0.238	0.280	-15.0		91606	505	12.300	14.000	-12.1		92054	504	0.174	0.203	-14.3	
91547	503	0.238	0.280	-15.0		91629	501	2.510	2.870	-12.5		92054	505	0.174	0.203	-14.3	
91547	504	0.238	0.280	-15.0		91629	503	2.510	2.870	-12.5		92055	501	4.860	5.670	-14.3	
91547	505	0.238	0.280	-15.0		91629	504	2.510	2.870	-12.5		92055	503	4.860	5.670	-14.3	
91551	501	1.470	1.720	-14.5		91629	505	2.510	2.870	-12.5		92055	504	4.860	5.670	-14.3	
91551	503	1.470	1.720	-14.5		91636	501	4.300	4.920	-12.6		92055	505	4.860	5.670	-14.3	

L - Lower Cap Applied  
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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
92101	501	7.610	8.860	-14.1		92453	505	3.200	3.730	-14.2		94381	504	6.660	7.960	-16.3	
92101	503	7.610	8.860	-14.1		92478	501	1.580	1.850	-14.6		94381	505	6.660	7.960	-16.3	
92101	504	7.610	8.860	-14.1		92478	503	1.580	1.850	-14.6		94404	501	4.290	5.000	-14.2	
92101	505	7.610	8.860	-14.1		92478	504	1.580	1.850	-14.6		94404	503	4.290	5.000	-14.2	
92102	501	4.580	5.340	-14.2		92478	505	1.580	1.850	-14.6		94404	504	4.290	5.000	-14.2	
92102	503	4.580	5.340	-14.2		92593	501	36.500	43.600	-16.3		94404	505	4.290	5.000	-14.2	
92102	504	4.580	5.340	-14.2		92593	503	36.500	43.600	-16.3		94569	501	2.900	3.380	-14.2	
92102	505	4.580	5.340	-14.2		92593	504	36.500	43.600	-16.3		94569	503	2.900	3.380	-14.2	
92215	501	3.980	4.760	-16.4		92593	505	36.500	43.600	-16.3		94569	504	2.900	3.380	-14.2	
92215	503	3.980	4.760	-16.4		92663	501	0.580	0.670	-13.4		94569	505	2.900	3.380	-14.2	
92215	504	3.980	4.760	-16.4		92663	503	0.580	0.670	-13.4		94590	501	12.500	14.600	-14.4	
92215	505	3.980	4.760	-16.4		92663	504	0.580	0.670	-13.4		94590	503	12.500	14.600	-14.4	
92338	501	1.760	2.050	-14.1		92663	505	0.580	0.670	-13.4		94590	504	12.500	14.600	-14.4	
92338	503	1.760	2.050	-14.1		94007	501	10.900	12.600	-13.5		94590	505	12.500	14.600	-14.4	
92338	504	1.760	2.050	-14.1		94007	503	10.900	12.600	-13.5		94617	501	3.950	4.600	-14.1	
92338	505	1.760	2.050	-14.1		94007	504	10.900	12.600	-13.5		94617	503	3.950	4.600	-14.1	
92445	501	2.460	2.820	-12.8		94007	505	10.900	12.600	-13.5		94617	504	3.950	4.600	-14.1	
92445	503	2.460	2.820	-12.8		94099	501	2.470	2.880	-14.2		94617	505	3.950	4.600	-14.1	
92445	504	2.460	2.820	-12.8		94099	503	2.470	2.880	-14.2		95124	501	1.460	1.700	-14.1	
92445	505	2.460	2.820	-12.8		94099	504	2.470	2.880	-14.2		95124	503	1.460	1.700	-14.1	
92446	501	5.780	6.740	-14.2		94099	505	2.470	2.880	-14.2		95124	504	1.460	1.700	-14.1	
92446	503	5.780	6.740	-14.2		94225	501	8.700	10.100	-13.9		95124	505	1.460	1.700	-14.1	
92446	504	5.780	6.740	-14.2		94225	503	8.700	10.100	-13.9		95233	501	3.120	3.640	-14.3	
92446	505	5.780	6.740	-14.2		94225	504	8.700	10.100	-13.9		95233	503	3.120	3.640	-14.3	
92447	501	5.050	5.890	-14.3		94225	505	8.700	10.100	-13.9		95233	504	3.120	3.640	-14.3	
92447	503	5.050	5.890	-14.3		94276	501	4.530	5.280	-14.2		95233	505	3.120	3.640	-14.3	
92447	504	5.050	5.890	-14.3		94276	503	4.530	5.280	-14.2		95305	501	3.390	3.950	-14.2	
92447	505	5.050	5.890	-14.3		94276	504	4.530	5.280	-14.2		95305	503	3.390	3.950	-14.2	
92451	501	2.780	3.320	-16.3		94276	505	4.530	5.280	-14.2		95305	504	3.390	3.950	-14.2	
92451	503	2.780	3.320	-16.3		94304	501	3.540	4.240	-16.5		95305	505	3.390	3.950	-14.2	
92451	504	2.780	3.320	-16.3		94304	503	3.540	4.240	-16.5		95306	501	4.920	5.640	-12.8	
92451	505	2.780	3.320	-16.3		94304	504	3.540	4.240	-16.5		95306	503	4.920	5.640	-12.8	
92453	501	3.200	3.730	-14.2		94304	505	3.540	4.240	-16.5		95306	504	4.920	5.640	-12.8	
92453	503	3.200	3.730	-14.2		94381	501	6.660	7.960	-16.3		95306	505	4.920	5.640	-12.8	
92453	504	3.200	3.730	-14.2		94381	503	6.660	7.960	-16.3		95310	501	8.100	9.430	-14.1	

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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
95310	503	8.100	9.430	-14.1		96053	501	2.540	3.040	-16.4		96872	505	4.610	5.280	-12.7	
95310	504	8.100	9.430	-14.1		96053	503	2.540	3.040	-16.4		97047	501	4.990	5.740	-13.1	
95310	505	8.100	9.430	-14.1		96053	504	2.540	3.040	-16.4		97047	503	4.990	5.740	-13.1	
95357	501	1.250	1.440	-13.2		96053	505	2.540	3.040	-16.4		97047	504	4.990	5.740	-13.1	
95357	503	1.250	1.440	-13.2		96317	501	1.300	1.490	-12.8		97047	505	4.990	5.740	-13.1	
95357	504	1.250	1.440	-13.2		96317	503	1.300	1.490	-12.8		97050	501	3.880	4.460	-13.0	
95357	505	1.250	1.440	-13.2		96317	504	1.300	1.490	-12.8		97050	503	3.880	4.460	-13.0	
95410	501	4.370	5.100	-14.3		96317	505	1.300	1.490	-12.8		97050	504	3.880	4.460	-13.0	
95410	503	4.370	5.100	-14.3		96408	501	3.790	4.410	-14.1		97050	505	3.880	4.460	-13.0	
95410	504	4.370	5.100	-14.3		96408	503	3.790	4.410	-14.1		97111	501	5.230	6.090	-14.1	
95410	505	4.370	5.100	-14.3		96408	504	3.790	4.410	-14.1		97111	503	5.230	6.090	-14.1	
95455	501	5.190	5.950	-12.8		96408	505	3.790	4.410	-14.1		97111	504	5.230	6.090	-14.1	
95455	503	5.190	5.950	-12.8		96409	501	3.500	4.080	-14.2		97111	505	5.230	6.090	-14.1	
95455	504	5.190	5.950	-12.8		96409	503	3.500	4.080	-14.2		97220	501	0.340	0.380	-10.5	
95455	505	5.190	5.950	-12.8		96409	504	3.500	4.080	-14.2		97220	503	0.340	0.380	-10.5	
95487	501	2.350	2.730	-13.9		96409	505	3.500	4.080	-14.2		97220	504	0.340	0.380	-10.5	
95487	503	2.350	2.730	-13.9		96410	501	3.070	3.580	-14.2		97220	505	0.340	0.380	-10.5	
95487	504	2.350	2.730	-13.9		96410	503	3.070	3.580	-14.2		97222	501	1.840	2.200	-16.4	
95487	505	2.350	2.730	-13.9		96410	504	3.070	3.580	-14.2		97222	503	1.840	2.200	-16.4	
95505	501	2.420	2.770	-12.6		96410	505	3.070	3.580	-14.2		97222	504	1.840	2.200	-16.4	
95505	503	2.420	2.770	-12.6		96611	501	1.640	1.890	-13.2		97222	505	1.840	2.200	-16.4	
95505	504	2.420	2.770	-12.6		96611	503	1.640	1.890	-13.2		97223	501	2.780	3.320	-16.3	
95505	505	2.420	2.770	-12.6		96611	504	1.640	1.890	-13.2		97223	503	2.780	3.320	-16.3	
95620	501	1.900	2.220	-14.4		96611	505	1.640	1.890	-13.2		97223	504	2.780	3.320	-16.3	
95620	503	1.900	2.220	-14.4		96702	501	4.360	5.080	-14.2		97223	505	2.780	3.320	-16.3	
95620	504	1.900	2.220	-14.4		96702	503	4.360	5.080	-14.2		97308	501	0.630	0.720	-12.5	
95620	505	1.900	2.220	-14.4		96702	504	4.360	5.080	-14.2		97308	503	0.630	0.720	-12.5	
95625	501	7.750	8.920	-13.1		96702	505	4.360	5.080	-14.2		97308	504	0.630	0.720	-12.5	
95625	503	7.750	8.920	-13.1		96816	501	4.090	4.760	-14.1		97308	505	0.630	0.720	-12.5	
95625	504	7.750	8.920	-13.1		96816	503	4.090	4.760	-14.1		97447	501	2.060	2.360	-12.7	
95625	505	7.750	8.920	-13.1		96816	504	4.090	4.760	-14.1		97447	503	2.060	2.360	-12.7	
95647	501	3.340	4.000	-16.5		96816	505	4.090	4.760	-14.1		97447	504	2.060	2.360	-12.7	
95647	503	3.340	4.000	-16.5		96872	501	4.610	5.280	-12.7		97447	505	2.060	2.360	-12.7	
95647	504	3.340	4.000	-16.5		96872	503	4.610	5.280	-12.7		97650	501	3.610	4.210	-14.3	
95647	505	3.340	4.000	-16.5		96872	504	4.610	5.280	-12.7		97650	503	3.610	4.210	-14.3	

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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
97650	504	3.610	4.210	-14.3		98091	503	0.141	0.164	-14.0		98160	501	4.830	5.540	-12.8	
97650	505	3.610	4.210	-14.3		98091	504	0.141	0.164	-14.0		98160	503	4.830	5.540	-12.8	
97651	501	6.090	6.970	-12.6		98091	505	0.141	0.164	-14.0		98160	504	4.830	5.540	-12.8	
97651	503	6.090	6.970	-12.6		98092	501	0.430	0.500	-14.0		98160	505	4.830	5.540	-12.8	
97651	504	6.090	6.970	-12.6		98092	503	0.430	0.500	-14.0		98161	501	5.420	6.200	-12.6	
97651	505	6.090	6.970	-12.6		98092	504	0.430	0.500	-14.0		98161	503	5.420	6.200	-12.6	
97652	501	5.280	6.050	-12.7		98092	505	0.430	0.500	-14.0		98161	504	5.420	6.200	-12.6	
97652	503	5.280	6.050	-12.7		98111	501	0.700	0.840	-16.7		98161	505	5.420	6.200	-12.6	
97652	504	5.280	6.050	-12.7		98111	503	0.700	0.840	-16.7		98163	501	5.680	6.510	-12.7	
97652	505	5.280	6.050	-12.7		98111	504	0.700	0.840	-16.7		98163	503	5.680	6.510	-12.7	
97653	501	3.090	3.600	-14.2		98111	505	0.700	0.840	-16.7		98163	504	5.680	6.510	-12.7	
97653	503	3.090	3.600	-14.2		98152	501	2.860	3.280	-12.8		98163	505	5.680	6.510	-12.7	
97653	504	3.090	3.600	-14.2		98152	503	2.860	3.280	-12.8		98164	501	2.340	2.800	-16.4	
97653	505	3.090	3.600	-14.2		98152	504	2.860	3.280	-12.8		98164	503	2.340	2.800	-16.4	
97654	501	5.390	6.280	-14.2		98152	505	2.860	3.280	-12.8		98164	504	2.340	2.800	-16.4	
97654	503	5.390	6.280	-14.2		98153	501	3.220	3.690	-12.7		98164	505	2.340	2.800	-16.4	
97654	504	5.390	6.280	-14.2		98153	503	3.220	3.690	-12.7		98257	501	1.460	1.700	-14.1	
97654	505	5.390	6.280	-14.2		98153	504	3.220	3.690	-12.7		98257	503	1.460	1.700	-14.1	
97655	501	4.700	5.380	-12.6		98153	505	3.220	3.690	-12.7		98257	504	1.460	1.700	-14.1	
97655	503	4.700	5.380	-12.6		98154	501	3.800	4.360	-12.8		98257	505	1.460	1.700	-14.1	
97655	504	4.700	5.380	-12.6		98154	503	3.800	4.360	-12.8		98303	501	10.700	12.300	-13.0	
97655	505	4.700	5.380	-12.6		98154	504	3.800	4.360	-12.8		98303	503	10.700	12.300	-13.0	
98002	501	0.850	0.970	-12.4		98154	505	3.800	4.360	-12.8		98303	504	10.700	12.300	-13.0	
98002	503	0.850	0.970	-12.4		98155	501	5.330	6.100	-12.6		98303	505	10.700	12.300	-13.0	
98002	504	0.850	0.970	-12.4		98155	503	5.330	6.100	-12.6		98304	501	5.400	6.300	-14.3	
98002	505	0.850	0.970	-12.4		98155	504	5.330	6.100	-12.6		98304	503	5.400	6.300	-14.3	
98003	501	0.970	1.130	-14.2		98155	505	5.330	6.100	-12.6		98304	504	5.400	6.300	-14.3	
98003	503	0.970	1.130	-14.2		98157	501	3.400	3.900	-12.8		98304	505	5.400	6.300	-14.3	
98003	504	0.970	1.130	-14.2		98157	503	3.400	3.900	-12.8		98305	501	4.010	4.610	-13.0	
98003	505	0.970	1.130	-14.2		98157	504	3.400	3.900	-12.8		98305	503	4.010	4.610	-13.0	
98090	501	0.130	0.151	-13.9		98157	505	3.400	3.900	-12.8		98305	504	4.010	4.610	-13.0	
98090	503	0.130	0.151	-13.9		98159	501	2.280	2.610	-12.6		98305	505	4.010	4.610	-13.0	
98090	504	0.130	0.151	-13.9		98159	503	2.280	2.610	-12.6		98306	501	10.300	11.900	-13.4	
98090	505	0.130	0.151	-13.9		98159	504	2.280	2.610	-12.6		98306	503	10.300	11.900	-13.4	
98091	501	0.141	0.164	-14.0		98159	505	2.280	2.610	-12.6		98306	504	10.300	11.900	-13.4	

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 N - Not Subject to Capping  
 E - Subject to Capping Exception

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
98306	505	10.300	11.900	-13.4		98423	504	4.070	4.740	-14.1		98502	503	5.310	6.190	-14.2	
98307	501	1.710	1.990	-14.1		98423	505	4.070	4.740	-14.1		98502	504	5.310	6.190	-14.2	
98307	503	1.710	1.990	-14.1		98424	501	6.910	8.050	-14.2		98502	505	5.310	6.190	-14.2	
98307	504	1.710	1.990	-14.1		98424	503	6.910	8.050	-14.2		98555	501	2.470	2.880	-14.2	
98307	505	1.710	1.990	-14.1		98424	504	6.910	8.050	-14.2		98555	503	2.470	2.880	-14.2	
98308	501	1.130	1.310	-13.7		98424	505	6.910	8.050	-14.2		98555	504	2.470	2.880	-14.2	
98308	503	1.130	1.310	-13.7		98425	501	2.840	3.300	-13.9		98555	505	2.470	2.880	-14.2	
98308	504	1.130	1.310	-13.7		98425	503	2.840	3.300	-13.9		98597	501	0.550	0.650	-15.4	
98308	505	1.130	1.310	-13.7		98425	504	2.840	3.300	-13.9		98597	503	0.550	0.650	-15.4	
98309	501	5.370	6.150	-12.7		98425	505	2.840	3.300	-13.9		98597	504	0.550	0.650	-15.4	
98309	503	5.370	6.150	-12.7		98426	501	2.500	2.920	-14.4		98597	505	0.550	0.650	-15.4	
98309	504	5.370	6.150	-12.7		98426	503	2.500	2.920	-14.4		98598	501	0.190	0.222	-14.4	
98309	505	5.370	6.150	-12.7		98426	504	2.500	2.920	-14.4		98598	503	0.190	0.222	-14.4	
98344	501	1.120	1.280	-12.5		98426	505	2.500	2.920	-14.4		98598	504	0.190	0.222	-14.4	
98344	503	1.120	1.280	-12.5		98427	501	2.440	2.840	-14.1		98598	505	0.190	0.222	-14.4	
98344	504	1.120	1.280	-12.5		98427	503	2.440	2.840	-14.1		98601	501	6.350	7.400	-14.2	
98344	505	1.120	1.280	-12.5		98427	504	2.440	2.840	-14.1		98601	503	6.350	7.400	-14.2	
98405	501	1.840	2.120	-13.2		98427	505	2.440	2.840	-14.1		98601	504	6.350	7.400	-14.2	
98405	503	1.840	2.120	-13.2		98429	501	1.120	1.280	-12.5		98601	505	6.350	7.400	-14.2	
98405	504	1.840	2.120	-13.2		98429	503	1.120	1.280	-12.5		98624	501	1.000	1.160	-13.8	
98405	505	1.840	2.120	-13.2		98429	504	1.120	1.280	-12.5		98624	503	1.000	1.160	-13.8	
98413	501	14.200	16.600	-14.5		98429	505	1.120	1.280	-12.5		98624	504	1.000	1.160	-13.8	
98413	503	14.200	16.600	-14.5		98449	501	3.500	4.080	-14.2		98624	505	1.000	1.160	-13.8	
98413	504	14.200	16.600	-14.5		98449	503	3.500	4.080	-14.2		98636	501	3.410	4.080	-16.4	
98413	505	14.200	16.600	-14.5		98449	504	3.500	4.080	-14.2		98636	503	3.410	4.080	-16.4	
98414	501	13.000	15.200	-14.5		98449	505	3.500	4.080	-14.2		98636	504	3.410	4.080	-16.4	
98414	503	13.000	15.200	-14.5		98482	501	3.760	4.380	-14.2		98636	505	3.410	4.080	-16.4	
98414	504	13.000	15.200	-14.5		98482	503	3.760	4.380	-14.2		98640	501	110.000	128.000	-14.1	
98414	505	13.000	15.200	-14.5		98482	504	3.760	4.380	-14.2		98640	503	110.000	128.000	-14.1	
98415	501	1.710	1.990	-14.1		98482	505	3.760	4.380	-14.2		98640	504	110.000	128.000	-14.1	
98415	503	1.710	1.990	-14.1		98483	501	5.550	6.460	-14.1		98640	505	110.000	128.000	-14.1	
98415	504	1.710	1.990	-14.1		98483	503	5.550	6.460	-14.1		98658	501	5.510	6.310	-12.7	
98415	505	1.710	1.990	-14.1		98483	504	5.550	6.460	-14.1		98658	503	5.510	6.310	-12.7	
98423	501	4.070	4.740	-14.1		98483	505	5.550	6.460	-14.1		98658	504	5.510	6.310	-12.7	
98423	503	4.070	4.740	-14.1		98502	501	5.310	6.190	-14.2		98658	505	5.510	6.310	-12.7	

L - Lower Cap Applied  
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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
98659	501	0.980	1.130	-13.3		98806	505	3.180	3.800	-16.3		99003	504	1.680	1.960	-14.3	
98659	503	0.980	1.130	-13.3		98810	501	5.650	6.500	-13.1		99003	505	1.680	1.960	-14.3	
98659	504	0.980	1.130	-13.3		98810	503	5.650	6.500	-13.1		99004	501	4.530	5.210	-13.1	
98659	505	0.980	1.130	-13.3		98810	504	5.650	6.500	-13.1		99004	503	4.530	5.210	-13.1	
98677	501	17.300	20.100	-13.9		98810	505	5.650	6.500	-13.1		99004	504	4.530	5.210	-13.1	
98677	503	17.300	20.100	-13.9		98813	501	5.450	6.270	-13.1		99004	505	4.530	5.210	-13.1	
98677	504	17.300	20.100	-13.9		98813	503	5.450	6.270	-13.1		99080	501	1.190	1.380	-13.8	
98677	505	17.300	20.100	-13.9		98813	504	5.450	6.270	-13.1		99080	503	1.190	1.380	-13.8	
98678	501	15.300	17.900	-14.5		98813	505	5.450	6.270	-13.1		99080	504	1.190	1.380	-13.8	
98678	503	15.300	17.900	-14.5		98820	501	8.650	10.100	-14.4		99080	505	1.190	1.380	-13.8	
98678	504	15.300	17.900	-14.5		98820	503	8.650	10.100	-14.4		99111	501	1.730	2.010	-13.9	
98678	505	15.300	17.900	-14.5		98820	504	8.650	10.100	-14.4		99111	503	1.730	2.010	-13.9	
98699	501	4.990	5.820	-14.3		98820	505	8.650	10.100	-14.4		99111	504	1.730	2.010	-13.9	
98699	503	4.990	5.820	-14.3		98884	501	2.250	2.620	-14.1		99111	505	1.730	2.010	-13.9	
98699	504	4.990	5.820	-14.3		98884	503	2.250	2.620	-14.1		99163	501	4.120	4.800	-14.2	
98699	505	4.990	5.820	-14.3		98884	504	2.250	2.620	-14.1		99163	503	4.120	4.800	-14.2	
98705	501	7.790	8.920	-12.7		98884	505	2.250	2.620	-14.1		99163	504	4.120	4.800	-14.2	
98705	503	7.790	8.920	-12.7		98914	501	0.670	0.770	-13.0		99163	505	4.120	4.800	-14.2	
98705	504	7.790	8.920	-12.7		98914	503	0.670	0.770	-13.0		99165	501	0.900	1.050	-14.3	
98705	505	7.790	8.920	-12.7		98914	504	0.670	0.770	-13.0		99165	503	0.900	1.050	-14.3	
98710	501	3.470	4.040	-14.1		98914	505	0.670	0.770	-13.0		99165	504	0.900	1.050	-14.3	
98710	503	3.470	4.040	-14.1		98949	501	0.940	1.080	-13.0		99165	505	0.900	1.050	-14.3	
98710	504	3.470	4.040	-14.1		98949	503	0.940	1.080	-13.0		99220	501	1.480	1.690	-12.4	
98710	505	3.470	4.040	-14.1		98949	504	0.940	1.080	-13.0		99220	503	1.480	1.690	-12.4	
98751	501	4.160	4.770	-12.8		98949	505	0.940	1.080	-13.0		99220	504	1.480	1.690	-12.4	
98751	503	4.160	4.770	-12.8		98967	501	3.530	4.120	-14.3		99220	505	1.480	1.690	-12.4	
98751	504	4.160	4.770	-12.8		98967	503	3.530	4.120	-14.3		99222	501	2.780	3.180	-12.6	
98751	505	4.160	4.770	-12.8		98967	504	3.530	4.120	-14.3		99222	503	2.780	3.180	-12.6	
98805	501	4.530	5.280	-14.2		98967	505	3.530	4.120	-14.3		99222	504	2.780	3.180	-12.6	
98805	503	4.530	5.280	-14.2		98993	501	6.520	7.800	-16.4		99222	505	2.780	3.180	-12.6	
98805	504	4.530	5.280	-14.2		98993	503	6.520	7.800	-16.4		99223	501	0.250	0.300	-16.7	
98805	505	4.530	5.280	-14.2		98993	504	6.520	7.800	-16.4		99223	503	0.250	0.300	-16.7	
98806	501	3.180	3.800	-16.3		98993	505	6.520	7.800	-16.4		99223	504	0.250	0.300	-16.7	
98806	503	3.180	3.800	-16.3		99003	501	1.680	1.960	-14.3		99223	505	0.250	0.300	-16.7	
98806	504	3.180	3.800	-16.3		99003	503	1.680	1.960	-14.3		99303	501	13.800	16.100	-14.3	

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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
99303	503	13.800	16.100	-14.3		99571	501	0.770	0.920	-16.3		99709	505	3.710	4.440	-16.4	
99303	504	13.800	16.100	-14.3		99571	503	0.770	0.920	-16.3		99718	501	1.390	1.620	-14.2	
99303	505	13.800	16.100	-14.3		99571	504	0.770	0.920	-16.3		99718	503	1.390	1.620	-14.2	
99310	501	3.450	4.020	-14.2		99571	505	0.770	0.920	-16.3		99718	504	1.390	1.620	-14.2	
99310	503	3.450	4.020	-14.2		99572	501	1.500	1.800	-16.7		99718	505	1.390	1.620	-14.2	
99310	504	3.450	4.020	-14.2		99572	503	1.500	1.800	-16.7		99746	501	2.360	2.750	-14.2	
99310	505	3.450	4.020	-14.2		99572	504	1.500	1.800	-16.7		99746	503	2.360	2.750	-14.2	
99315	501	10.200	11.800	-13.6		99572	505	1.500	1.800	-16.7		99746	504	2.360	2.750	-14.2	
99315	503	10.200	11.800	-13.6		99573	501	1.440	1.720	-16.3		99746	505	2.360	2.750	-14.2	
99315	504	10.200	11.800	-13.6		99573	503	1.440	1.720	-16.3		99760	501	0.270	0.310	-12.9	
99315	505	10.200	11.800	-13.6		99573	504	1.440	1.720	-16.3		99760	503	0.270	0.310	-12.9	
99321	501	9.860	11.500	-14.3		99573	505	1.440	1.720	-16.3		99760	504	0.270	0.310	-12.9	
99321	503	9.860	11.500	-14.3		99600	501	1.970	2.270	-13.2		99760	505	0.270	0.310	-12.9	
99321	504	9.860	11.500	-14.3		99600	503	1.970	2.270	-13.2		99777	501	9.790	11.300	-13.4	
99321	505	9.860	11.500	-14.3		99600	504	1.970	2.270	-13.2		99777	503	9.790	11.300	-13.4	
99471	501	0.670	0.770	-13.0		99600	505	1.970	2.270	-13.2		99777	504	9.790	11.300	-13.4	
99471	503	0.670	0.770	-13.0		99613	501	8.730	10.200	-14.4		99777	505	9.790	11.300	-13.4	
99471	504	0.670	0.770	-13.0		99613	503	8.730	10.200	-14.4		99793	501	2.990	3.490	-14.3	
99471	505	0.670	0.770	-13.0		99613	504	8.730	10.200	-14.4		99793	503	2.990	3.490	-14.3	
99505	501	5.520	6.600	-16.4		99613	505	8.730	10.200	-14.4		99793	504	2.990	3.490	-14.3	
99505	503	5.520	6.600	-16.4		99614	501	4.400	5.060	-13.0		99793	505	2.990	3.490	-14.3	
99505	504	5.520	6.600	-16.4		99614	503	4.400	5.060	-13.0		99826	501	1.120	1.280	-12.5	
99505	505	5.520	6.600	-16.4		99614	504	4.400	5.060	-13.0		99826	503	1.120	1.280	-12.5	
99506	501	6.790	8.120	-16.4		99614	505	4.400	5.060	-13.0		99826	504	1.120	1.280	-12.5	
99506	503	6.790	8.120	-16.4		99620	501	0.480	0.550	-12.7		99826	505	1.120	1.280	-12.5	
99506	504	6.790	8.120	-16.4		99620	503	0.480	0.550	-12.7		99827	501	0.430	0.500	-14.0	
99506	505	6.790	8.120	-16.4		99620	504	0.480	0.550	-12.7		99827	503	0.430	0.500	-14.0	
99507	501	5.920	7.080	-16.4		99620	505	0.480	0.550	-12.7		99827	504	0.430	0.500	-14.0	
99507	503	5.920	7.080	-16.4		99650	501	1.500	1.800	-16.7		99827	505	0.430	0.500	-14.0	
99507	504	5.920	7.080	-16.4		99650	503	1.500	1.800	-16.7		99851	501	1.740	2.030	-14.3	
99507	505	5.920	7.080	-16.4		99650	504	1.500	1.800	-16.7		99851	503	1.740	2.030	-14.3	
99570	501	3.180	3.800	-16.3		99650	505	1.500	1.800	-16.7		99851	504	1.740	2.030	-14.3	
99570	503	3.180	3.800	-16.3		99709	501	3.710	4.440	-16.4		99851	505	1.740	2.030	-14.3	
99570	504	3.180	3.800	-16.3		99709	503	3.710	4.440	-16.4		99917	501	2.820	3.290	-14.3	
99570	505	3.180	3.800	-16.3		99709	504	3.710	4.440	-16.4		99917	503	2.820	3.290	-14.3	

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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
99917	504	2.820	3.290	-14.3		99963	503	0.680	0.790	-13.9							
99917	505	2.820	3.290	-14.3		99963	504	0.680	0.790	-13.9							
99938	501	3.170	3.690	-14.1		99963	505	0.680	0.790	-13.9							
99938	503	3.170	3.690	-14.1		99969	501	2.690	3.080	-12.7							
99938	504	3.170	3.690	-14.1		99969	503	2.690	3.080	-12.7							
99938	505	3.170	3.690	-14.1		99969	504	2.690	3.080	-12.7							
99943	501	9.190	10.700	-14.1		99969	505	2.690	3.080	-12.7							
99943	503	9.190	10.700	-14.1		99975	501	7.230	8.310	-13.0							
99943	504	9.190	10.700	-14.1		99975	503	7.230	8.310	-13.0							
99943	505	9.190	10.700	-14.1		99975	504	7.230	8.310	-13.0							
99946	501	6.850	7.980	-14.2		99975	505	7.230	8.310	-13.0							
99946	503	6.850	7.980	-14.2		99988	501	2.370	2.720	-12.9							
99946	504	6.850	7.980	-14.2		99988	503	2.370	2.720	-12.9							
99946	505	6.850	7.980	-14.2		99988	504	2.370	2.720	-12.9							
99948	501	7.860	9.400	-16.4		99988	505	2.370	2.720	-12.9							
99948	503	7.860	9.400	-16.4													
99948	504	7.860	9.400	-16.4													
99948	505	7.860	9.400	-16.4													
99952	501	8.280	9.520	-13.0													
99952	503	8.280	9.520	-13.0													
99952	504	8.280	9.520	-13.0													
99952	505	8.280	9.520	-13.0													
99953	501	8.930	10.300	-13.3													
99953	503	8.930	10.300	-13.3													
99953	504	8.930	10.300	-13.3													
99953	505	8.930	10.300	-13.3													
99954	501	6.500	7.480	-13.1													
99954	503	6.500	7.480	-13.1													
99954	504	6.500	7.480	-13.1													
99954	505	6.500	7.480	-13.1													
99955	501	8.150	9.370	-13.0													
99955	503	8.150	9.370	-13.0													
99955	504	8.150	9.370	-13.0													
99955	505	8.150	9.370	-13.0													
99963	501	0.680	0.790	-13.9													

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LOSS COST PERCENT CHANGE BY CLASS

Class	Proposed Loss Cost	Present Loss Cost	Percent Change	Capping Flag	Class	Proposed Loss Cost	Present Loss Cost	Percent Change	Capping Flag	Class	Proposed Loss Cost	Present Loss Cost	Percent Change	Capping Flag
10010	0.167	0.189	-11.6		11259	0.128	0.103	+24.3		13759	0.125	0.147	-15.0	
10026	0.023	0.031	-25.8		11288	0.074	0.077	-3.9		13930	0.147	0.174	-15.5	
10040	0.320	0.320	0.0		12014	0.045	0.048	-6.3		14068	0.010	0.012	-16.7	
10042	0.390	0.460	-15.2		12356	0.034	0.045	-24.4		14101	0.050	0.059	-15.3	
10060	0.082	0.123	-33.3	L	12361	0.066	0.070	-5.7		14279	0.078	0.080	-2.5	
10065	0.058	0.047	+23.4	U	12373	0.022	0.023	-4.4		14401	0.085	0.068	+25.0	U
10066	0.080	0.094	-14.9		12374	0.062	0.068	-8.8		14527	0.169	0.179	-5.6	
10070	0.134	0.151	-11.3		12375	0.036	0.029	+24.1	U	14855	0.110	0.133	-17.3	
10071	0.121	0.182	-33.5	L	12391	0.059	0.070	-15.7		14913	0.160	0.199	-19.6	
10073	0.550	0.630	-12.7		12509	0.026	0.031	-16.1		15223	0.039	0.044	-11.4	
10075	0.198	0.300	-34.0	L	12510	0.028	0.037	-24.3		15224	0.064	0.058	+10.3	
10100	0.054	0.061	-11.5		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	0.018	0.023	-21.7	
10107	0.280	0.420	-33.3	L	12797	0.177	0.194	-8.8		15600	0.104	0.148	-29.7	
10111	0.059	0.067	-11.9		12805	0.184	0.154	+19.5		15608	0.011	0.013	-15.4	
10115	0.088	0.113	-22.1		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	0.030	0.033	-9.1	
10141	0.021	0.023	-8.7		13112	0.054	0.063	-14.3		15991	0.081	0.116	-30.2	
10145	0.011	0.009	+22.2	U	13201	0.123	0.144	-14.6		15993	0.051	0.073	-30.1	
10146	0.017	0.015	+13.3		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	0.177	0.247	-28.3	
10257	0.146	0.148	-1.4		13351	0.062	0.066	-6.1		16527	0.270	0.320	-15.6	
10309	0.019	0.024	-20.8		13352	0.044	0.061	-27.9		16604	0.100	0.122	-18.0	
10352	0.055	0.050	+10.0		13410	1.660	2.350	-29.4		16676	0.016	0.019	-15.8	
11020	0.221	0.210	+5.2		13412	1.190	1.210	-1.7		16705	0.113	0.131	-13.7	
11039	0.066	0.073	-9.6		13506	0.076	0.094	-19.1		16750	0.035	0.034	+2.9	
11126	0.023	0.024	-4.2		13507	0.175	0.203	-13.8		16900	0.077	0.086	-10.5	
11127	0.010	0.013	-23.1		13590	0.610	0.670	-9.0		16901	0.104	0.097	+7.2	
11128	0.081	0.122	-33.6	L	13621	0.340	0.330	+3.0		16902	0.057	0.065	-12.3	
11203	0.380	0.460	-17.4		13670	0.018	0.017	+5.9		16905	0.067	0.086	-22.1	
11204	1.590	2.190	-27.4		13673	0.015	0.018	-16.7		16906	0.095	0.097	-2.1	
11234	0.066	0.088	-25.0		13715	0.111	0.145	-23.5		16910	0.049	0.067	-26.9	
11248	0.013	0.016	-18.8		13716	0.117	0.156	-25.0		16911	0.048	0.051	-5.9	
11258	0.187	0.179	+4.5		13720	0.054	0.057	-5.3		16915	0.047	0.055	-14.5	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Proposed Loss Cost	Present Loss Cost	Percent Change	Capping Flag	Class	Proposed Loss Cost	Present Loss Cost	Percent Change	Capping Flag	Class	Proposed Loss Cost	Present Loss Cost	Percent Change	Capping Flag
16916	0.055	0.050	+10.0		51116	0.640	0.690	-7.3		51666	0.085	0.089	-4.5	
16920	0.107	0.141	-24.1		51205	0.046	0.059	-22.0		51734	0.430	0.350	+22.9	U
16921	0.043	0.051	-15.7		51206	0.370	0.320	+15.6		51741	0.260	0.243	+7.0	
16930	0.144	0.218	-33.9	L	51220	1.480	1.900	-22.1		51752	0.141	0.150	-6.0	
16931	0.061	0.092	-33.7	L	51221	1.470	1.760	-16.5		51767	0.007	0.007	0.0	
16940	0.043	0.051	-15.7		51222	4.760	4.530	+5.1		51777	0.058	0.077	-24.7	
16941	0.076	0.093	-18.3		51224	1.170	1.490	-21.5		51808	0.530	0.680	-22.1	
18078	0.161	0.187	-13.9		51230	0.640	0.740	-13.5		51809	0.173	0.146	+18.5	
18109	0.034	0.042	-19.0		51240	0.215	0.196	+9.7		51833	0.051	0.054	-5.6	
18110	0.038	0.057	-33.3	L	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	0.123	0.179	-31.3		51254	0.025	0.032	-21.9		51889	0.010	0.011	-9.1	
18335	0.018	0.027	-33.3		51300	0.127	0.147	-13.6		51896	0.017	0.017	0.0	
18435	0.060	0.058	+3.4		51305	0.760	0.880	-13.6		51900	0.098	0.100	-2.0	
18436	0.130	0.113	+15.0		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	0.007	0.008	-12.5		51333	0.280	0.320	-12.5		51927	0.100	0.132	-24.2	
18507	0.009	0.010	-10.0		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	0.025	0.029	-13.8		51355	0.082	0.091	-9.9		51957	0.370	0.460	-19.6	
18834	0.127	0.174	-27.0		51356	0.470	0.560	-16.1		51958	0.310	0.370	-16.2	
18911	0.021	0.028	-25.0		51357	0.950	0.760	+25.0	U	51960	0.300	0.330	-9.1	
18912	0.034	0.048	-29.2		51358	0.111	0.129	-14.0		51970	0.138	0.177	-22.0	
18920	0.021	0.027	-22.2		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	0.076	0.087	-12.6		51380	0.039	0.041	-4.9		51999	0.320	0.400	-20.0	
45900	0.045	0.037	+21.6		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	0.185	0.280	-33.9	L	51552	0.137	0.152	-9.9		52315	0.270	0.270	0.0	
49618	0.065	0.098	-33.7	L	51575	0.023	0.021	+9.5		52433	0.650	0.800	-18.8	
49619	0.136	0.168	-19.0		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 Cost	Present Loss Cost	Percent Change	Capping Flag	Class	Proposed Loss Cost	Present Loss Cost	Percent Change	Capping Flag	Class	Proposed Loss Cost	Present Loss 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	0.023	0.023	0.0		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 Cost	Present Loss Cost	Percent Change	Capping Flag	Class	Proposed Loss Cost	Present Loss Cost	Percent Change	Capping Flag	Class	Proposed Loss Cost	Present Loss Cost	Percent Change	Capping Flag
59781	0.065	0.085	-23.5		91341	4.180	5.780	-27.7		96409	8.800	12.100	-27.3	
59782	0.620	0.560	+10.7		91342	3.860	4.100	-5.9		96410	8.840	11.000	-19.6	
59798	0.330	0.460	-28.3		91343	1.560	1.880	-17.0		96611	1.500	1.690	-11.2	
59886	0.087	0.100	-13.0		91436	2.250	3.060	-26.5		97221	1.280	1.380	-7.2	
59889	0.192	0.187	+2.7		91507	3.220	3.140	+2.5		97222	1.830	2.070	-11.6	
59904	0.088	0.076	+15.8		91551	0.740	0.730	+1.4		97223	2.900	3.950	-26.6	
59905	0.112	0.120	-6.7		91555	1.050	1.170	-10.3		97447	5.470	6.140	-10.9	
59914	0.650	0.690	-5.8		91560	4.660	4.210	+10.7		97650	3.860	4.490	-14.0	
59915	0.530	0.660	-19.7		91577	3.380	4.080	-17.2		97651	4.660	4.250	+9.6	
59917	0.222	0.232	-4.3		91746	5.950	7.380	-19.4		97652	4.990	5.670	-12.0	
59923	0.006	0.005	+20.0	U	92053	0.720	0.630	+14.3		97653	3.220	3.120	+3.2	
59925	1.150	1.190	-3.4		92054	0.270	0.217	+24.4	U	97654	3.060	3.380	-9.5	
59926	0.460	0.460	0.0		92055	0.260	0.209	+24.4	U	97655	4.500	4.260	+5.6	
59927	1.100	1.300	-15.4		92101	3.220	3.490	-7.7		98002	1.010	1.110	-9.0	
59931	0.370	0.480	-22.9		92102	3.540	4.010	-11.7		98152	0.530	0.710	-25.4	
59932	0.690	0.800	-13.8		92215	3.220	3.780	-14.8		98157	0.350	0.370	-5.4	
59947	0.260	0.300	-13.3		92338	2.090	2.590	-19.3		98163	0.202	0.195	+3.6	
59955	0.114	0.132	-13.6		92446	1.920	1.540	+24.7	U	98164	0.070	0.057	+22.8	
59963	0.320	0.370	-13.5		92447	1.590	1.820	-12.6		98303	6.340	6.790	-6.6	
59964	0.059	0.066	-10.6		92451	2.410	2.680	-10.1		98304	3.810	4.730	-19.5	
59970	0.147	0.169	-13.0		92478	1.770	2.020	-12.4		98305	1.900	2.370	-19.8	
59975	0.130	0.190	-31.6	L	94007	5.150	6.060	-15.0		98306	1.040	0.910	+14.3	
59984	0.041	0.049	-16.3		94276	4.500	4.690	-4.1		98307	0.510	0.410	+24.4	U
59988	0.050	0.055	-9.1		94381	10.900	13.600	-19.9		98308	1.060	1.210	-12.4	
59989	0.037	0.041	-9.8		94404	4.250	5.280	-19.5		98309	2.330	2.640	-11.7	
91111	5.950	7.750	-23.2		94569	4.180	4.320	-3.2		98344	0.800	0.810	-1.2	
91125	1.920	1.650	+16.4		95124	1.370	1.100	+24.5	U	98449	27.100	25.100	+8.0	
91127	1.210	1.240	-2.4		95310	1.230	1.300	-5.4		98482	6.590	8.110	-18.7	
91150	5.470	6.220	-12.1		95410	2.890	2.960	-2.4		98483	16.100	22.100	-27.1	
91155	27.800	40.800	-31.9		95455	1.770	1.700	+4.1		98502	3.860	4.770	-19.1	
91235	2.360	2.390	-1.3		95505	2.250	2.770	-18.8		98636	3.700	4.150	-10.8	
91265	2.330	1.870	+24.6	U	95625	3.860	4.630	-16.6		98659	0.400	0.340	+17.6	
91266	0.920	1.250	-26.4		95647	5.950	7.980	-25.4		98677	10.600	10.200	+3.9	
91280	2.730	4.060	-32.8		96053	4.500	4.410	+2.0		98678	14.000	17.500	-20.0	
91340	8.040	9.200	-12.6		96408	12.400	15.300	-19.0		98805	1.460	1.670	-12.6	

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LOSS COST PERCENT CHANGE BY CLASS

Class	Proposed Loss Cost	Present Loss Cost	Percent Change	Capping Flag	Class	Proposed Loss Cost	Present Loss Cost	Percent Change	Capping Flag	Class	Proposed Loss Cost	Present Loss Cost	Percent Change	Capping Flag
98806	3.700	3.760	-1.6											
98813	2.110	1.830	+15.3											
98820	3.700	3.790	-2.4											
98884	2.250	1.980	+13.6											
98914	0.550	0.520	+5.8											
98949	0.310	0.270	+14.8											
98967	10.800	13.200	-18.2											
98993	3.740	4.020	-7.0											
99003	1.290	1.850	-30.3											
99004	1.610	1.850	-13.0											
99080	7.560	7.580	-0.3											
99163	0.400	0.390	+2.6											
99315	2.090	2.280	-8.3											
99321	2.410	2.610	-7.7											
99613	2.410	2.450	-1.6											
99650	1.080	1.150	-6.1											
99746	3.380	3.820	-11.5											
99803	8.720	10.500	-17.0											
99826	0.740	0.640	+15.6											
99827	0.660	0.580	+13.8											
99946	2.460	2.950	-16.6											
99948	21.100	25.500	-17.3											
99952	16.700	23.900	-30.1											
99953	10.100	11.500	-12.2											
99954	12.700	10.200	+24.5	U										
99955	9.160	7.330	+25.0	U										
99969	2.600	3.280	-20.7											

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TENNESSEE  
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
06/30/2018	\$20,916,369	\$15,478,872	0.25	0.740	633
06/30/2019	\$20,960,641	\$16,286,559	0.25	0.777	642
06/30/2020	\$22,070,588	\$15,671,992	0.25	0.710	555
06/30/2021	\$22,212,856	\$15,141,789	0.25	0.682	533

(7)	WEIGHTED EXPERIENCE RATIO .....	0.727
(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)...	0.60
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO { (7) X (9) } + { (8) X {1.0 - (9)} } .....	0.837
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (10) - 1 } X 100% .....	- 16.3%
(12)	INDICATED STATEWIDE MONOLINE CHANGE (SEE SECTION B - BASIC LIMIT RELATIVE CHANGE ANALYSIS) .....	- 14.1%
(13)	SELECTED STATEWIDE MONOLINE CHANGE .....	- 14.1%

(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 06/01/2023. 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 (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (06/01/2023) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (06/01/2024).

TENNESSEE  
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
06/30/2018	\$20,936,792	\$22,340,361	0.25	1.067	1,075
06/30/2019	\$20,457,734	\$22,393,507	0.25	1.095	1,059
06/30/2020	\$19,295,473	\$16,629,157	0.25	0.862	715
06/30/2021	\$18,069,885	\$19,832,998	0.25	1.098	662

(7)	WEIGHTED EXPERIENCE RATIO .....	1.031
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C) .....	1.054
(9)	CREDIBILITY BASED ON LATEST FOUR YEARS NUMBER OF INCURRED OCCURRENCES (SEE EXPLANATORY PAGE C-13 - CREDIBILITY STANDARDS)...	0.76
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO { (7) X (9) } + { (8) X {1.0 - (9)} } .....	1.037
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (10) - 1 } X 100% .....	+ 3.7%
(12)	INDICATED STATEWIDE MONOLINE CHANGE (SEE SECTION B - BASIC LIMIT RELATIVE CHANGE ANALYSIS) .....	+ 8.2%
(13)	SELECTED STATEWIDE MONOLINE CHANGE .....	+ 8.2%

(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 06/01/2023. FOR DETAILS, SEE SECTION C, EXHIBIT C1, PAGES 5 AND 6 - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.054). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.054) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (06/01/2023) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (06/01/2024).

TENNESSEE  
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		RATIO	INCURRED
ENDING	COSTS AT CURRENT	LIMIT INCURRED	YEAR		INCURRED
	LEVEL (A)	LOSSES (B)	WEIGHTS	(3) / (2)	OCCURRENCES
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).....				- 11.5%
(11)	SELECTED STATEWIDE MONOLINE CHANGE.....				- 11.5%
(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).				



TENNESSEE  
 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	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	\$401,202,530	\$367,138,410	0.25	0.915	6,453
12/31/2018	\$438,931,706	\$391,661,116	0.25	0.892	6,877
12/31/2019	\$441,409,889	\$393,462,239	0.25	0.891	6,731
12/31/2020	\$412,304,601	\$337,041,785	0.25	0.817	5,617
(7)	WEIGHTED EXPERIENCE RATIO .....				0.879
(8)	INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE				
	{ (7) - 1 } X 100%.....				- 12.1%
(9)	INDICATED MULTISTATE MONOLINE CHANGE				
	(SEE SECTION B - BASIC LIMIT RELATIVE CHANGE ANALYSIS).....				- 9.5%
(10)	INDICATED STATEWIDE MONOLINE CHANGE (C)				
	(SEE SECTION B - BASIC LIMIT RELATIVE CHANGE ANALYSIS).....				- 13.7%
(11)	SELECTED STATEWIDE MONOLINE CHANGE.....				- 13.7%
(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.				

TENNESSEE  
MANUFACTURERS AND CONTRACTORS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1)	(2)	(3)	(4)	STATEWIDE COVERAGE INDICATION OF - 16.3%
TOP	BAILEY FORMULA RELATIV.	CREDIBILITY Z	Z-WTD RELATIV.	BALANCED RELATIV.	
10	1.112	0.267	1.029	1.027	
33	1.958	0.033	1.023	1.021	
34	0.914	0.089	0.992	0.990	
35	1.389	0.071	1.024	1.022	
36	0.701	0.127	0.956	0.954	
37	1.148	0.089	1.012	1.010	
38	0.929	0.246	0.982	0.980	
CLASS GROUP					(5) INDICATED MONOLINE CHANGE
30	0.855	0.111	0.983	0.978	- 15.9%
31	1.109	0.206	1.022	1.017	- 12.6%
32	1.036	0.249	1.009	1.004	- 13.7%
33	1.212	0.133	1.026	1.021	- 12.2%
34	1.068	0.126	1.008	1.004	- 13.7%
35	0.395	0.030	0.973	0.968	- 16.8%
36	0.547	0.075	0.956	0.952	- 18.2%
37	0.552	0.048	0.972	0.967	- 16.9%
38	0.974	0.106	0.997	0.993	- 14.7%
OVERALL MONOLINE CHANGE *					- 14.1%

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

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

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2021 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.
10 MONOLINE	30 SERVICE	\$543,544	\$2,624,543	0.823	1.076	64	1.004
	31 LIGHT CONTRACTING	\$1,185,303	\$5,219,444	1.210	1.582	339	1.044
	32 MEDIUM CONTRCTING	\$4,196,774	\$18,809,563	0.796	1.041	642	1.031
	33 HEAVY CONTRACTING	\$1,129,220	\$5,060,806	1.163	1.520	102	1.049
	34 DEALER OR DISTRIB	\$240,117	\$1,606,407	0.660	0.863	47	1.031
	35 LGT. MANUFACTURER	\$159,543	\$673,978	0.401	0.524	4	0.994
	36 MED. MANUFACTURER	\$461,682	\$2,319,787	0.361	0.472	20	0.978
	37 HVY. MANUFACTURER	\$257,929	\$1,241,820	0.233	0.305	9	0.993
	38 MISC. OPERATION	\$472,953	\$2,176,187	0.829	1.084	59	1.020
	TOTAL *	\$8,647,066	\$39,732,536	0.853		1,286	
33 MULT OFFICE	31 LIGHT CONTRACTING	\$12,701	\$44,075	0.451	0.590	2	1.038
	32 MEDIUM CONTRCTING	\$5,063	\$19,343	0.000	0.000	0	1.025
	33 HEAVY CONTRACTING	\$76,441	\$351,412	2.401	3.139	5	1.042
	38 MISC. OPERATION	\$98,426	\$506,270	1.240	1.621	13	1.014
	TOTAL *	\$192,632	\$921,101	1.616		20	
34 MULT MERCANTILE	30 SERVICE	\$53,622	\$236,077	0.216	0.282	5	0.968
	32 MEDIUM CONTRCTING	\$228,583	\$862,592	0.589	0.770	14	0.994
	34 DEALER OR DISTRIB	\$624,107	\$3,124,145	0.733	0.958	107	0.994
	36 MED. MANUFACTURER	\$30	\$148	0.000	0.000	0	0.942
	38 MISC. OPERATION	\$52,925	\$251,147	1.799	2.352	17	0.983
	TOTAL *	\$959,268	\$4,474,108	0.729		143	
35 MULT INSTITUT.	31 LIGHT CONTRACTING	\$28,764	\$123,760	0.233	0.305	5	1.039
	32 MEDIUM CONTRCTING	\$267,883	\$1,596,356	1.202	1.571	87	1.026
	TOTAL *	\$296,647	\$1,720,116	1.108		92	
36 MULT SERVICES	30 SERVICE	\$66,152	\$322,086	1.147	1.499	15	0.933
	31 LIGHT CONTRACTING	\$262,893	\$1,190,779	0.498	0.651	34	0.970
	32 MEDIUM CONTRCTING	\$163,421	\$759,617	0.132	0.173	10	0.958
	33 HEAVY CONTRACTING	\$23,527	\$112,167	2.178	2.847	5	0.974
	34 DEALER OR DISTRIB	\$830,432	\$3,875,391	0.614	0.803	127	0.958
	36 MED. MANUFACTURER	\$1,625	\$8,242	0.000	0.000	0	0.908
	38 MISC. OPERATION	\$697,285	\$3,460,340	0.491	0.642	98	0.947
	TOTAL *	\$2,045,335	\$9,728,623	0.553		289	

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

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2021 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.
37 MULT INDUST/PROC.	31 LIGHT CONTRACTING	\$628	\$1,931	0.000	0.000	0	1.027
	32 MEDIUM CONTRCTING	\$138,216	\$679,476	0.348	0.455	8	1.014
	33 HEAVY CONTRACTING	\$40,081	\$221,456	0.032	0.042	4	1.031
	34 DEALER OR DISTRIB	\$6,379	\$36,910	6.082	7.950	3	1.014
	35 LGT. MANUFACTURER	\$146,226	\$815,923	0.276	0.361	12	0.978
	36 MED. MANUFACTURER	\$1,121,699	\$5,860,963	0.524	0.685	81	0.962
	37 HVY. MANUFACTURER	\$625,165	\$3,228,582	0.583	0.762	33	0.977
	38 MISC. OPERATION	\$17,829	\$121,744	0.174	0.227	2	1.003
	TOTAL *	\$2,096,222	\$10,966,985	0.517		143	
38 MULT CONTRACTORS	30 SERVICE	\$1,219,642	\$5,989,808	0.545	0.712	139	0.958
	31 LIGHT CONTRACTING	\$1,774,840	\$9,042,743	0.648	0.847	383	0.997
	32 MEDIUM CONTRCTING	\$2,935,695	\$14,566,990	0.913	1.193	352	0.984
	33 HEAVY CONTRACTING	\$2,008,807	\$9,238,366	0.768	1.004	201	1.001
	38 MISC. OPERATION	\$76,757	\$498,922	0.640	0.837	13	0.973
	TOTAL *	\$8,015,742	\$39,336,829	0.759		1,088	
TOTAL ALL	TOP 30 SERVICE	\$1,882,960	\$9,172,514	0.637		223	
	31 LIGHT CONTRACTING	\$3,265,130	\$15,622,733	0.835		763	
	32 MEDIUM CONTRCTING	\$7,935,636	\$37,293,938	0.825		1,113	
	33 HEAVY CONTRACTING	\$3,278,076	\$14,984,208	0.943		317	
	34 DEALER OR DISTRIB	\$1,701,035	\$8,642,853	0.685		284	
	35 LGT. MANUFACTURER	\$305,769	\$1,489,901	0.341		16	
	36 MED. MANUFACTURER	\$1,585,037	\$8,189,140	0.476		101	
	37 HVY. MANUFACTURER	\$883,094	\$4,470,403	0.481		42	
	38 MISC. OPERATION	\$1,416,174	\$7,014,610	0.709		202	
	TOTAL *	\$22,252,911	\$106,880,298	0.765		3,061	

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

TENNESSEE  
OWNERS, LANDLORDS AND TENANTS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1)	(2)	(3)	(4)	STATEWIDE COVERAGE INDICATION OF + 3.7%
TOP	BAILEY FORMULA RELATIV.	CREDIBILITY Z	Z-WTD RELATIV.	BALANCED RELATIV.	
10	1.182	0.280	1.048	1.046	
31	1.501	0.171	1.072	1.069	
32	1.096	0.105	1.010	1.007	
33	0.736	0.161	0.952	0.950	
34	1.031	0.258	1.008	1.006	
35	0.879	0.167	0.979	0.976	
36	0.725	0.133	0.958	0.956	
					(5) INDICATED MONOLINE CHANGE
CLASS GROUP					
01	0.836	0.154	0.973	0.973	+ 5.5%
02	0.949	0.213	0.989	0.989	+ 7.0%
03	0.633	0.115	0.949	0.949	+ 2.8%
04	1.399	0.030	1.010	1.010	+ 9.4%
05	1.057	0.049	1.003	1.003	+ 8.3%
06	0.871	0.055	0.992	0.993	+ 7.6%
07	1.216	0.125	1.025	1.025	+ 11.0%
08	0.904	0.033	0.997	0.997	+ 7.9%
09	1.157	0.212	1.031	1.032	+ 11.6%
10	1.064	0.171	1.011	1.011	+ 9.5%
11	1.047	0.118	1.005	1.006	+ 8.9%
12	1.000	0.237	1.000	1.000	+ 8.4%
13	1.445	0.080	1.030	1.030	+ 11.5%
16	0.617	0.018	0.991	0.992	+ 7.6%

OVERALL MONOLINE CHANGE \*      + 8.2%

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

TENNESSEE  
OWNERS, LANDLORDS AND TENANTS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	(5) INDICATED MONOLINE CHANGE
TERRITORY					
501	1.063	0.196	1.012	1.013	+ 10.0%
503	0.952	0.266	0.987	0.988	+ 7.2%
504	1.133	0.109	1.014	1.014	+ 9.6%
505	1.000	0.368	1.000	1.001	+ 8.1%

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

TERRITORY	ALL	(1) FISCAL A.Y.E. 06/30/2021 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						
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$362,549	\$3,191,960	1.118		254	
	02 RESTAURANTS	\$537,613	\$3,619,869	1.072		201	
	03 STORES	\$334,200	\$1,603,783	0.902		51	
	04 VENDING & RENTAL	\$11,757	\$98,303	0.537		3	
	05 FOOD & BEV. DIST.	\$23,662	\$210,523	0.406		2	
	06 NON-FOOD&BEV.DIST	\$131,185	\$504,965	1.766		19	
	07 CLUBS,AMSMT&SPRTS	\$366,239	\$1,997,077	1.922		110	
	08 HEALTH CARE FACIL	\$21,314	\$136,392	2.986		7	
	09 HOTELS AND MOTELS	\$340,657	\$3,587,078	1.446		286	
	10 SCHLS & CHURCHES	\$275,256	\$1,887,094	1.502		72	
	11 APARTMENTS	\$649,832	\$3,818,296	1.349		90	
	12 BUILDINGS&OFFICES	\$1,124,211	\$6,991,024	0.981		257	
	13 MISC. PREMISES	\$55,956	\$1,245,914	0.891		60	
	TOTAL *	\$4,234,431	\$28,892,278	1.236		1,412	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$1,102,262	\$5,839,795	1.802		524	
	TOTAL *	\$1,102,262	\$5,839,795	1.802		524	
32 MULT APARTMENT	11 APARTMENTS	\$760,334	\$3,468,232	1.152		162	
	12 BUILDINGS&OFFICES	100,763	521,046	1.410		35	
	TOTAL *	\$861,098	\$3,989,278	1.182		197	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$3,157,149	\$15,923,928	0.781		465	
	13 MISC. PREMISES	23,609	111,415	0.041		1	
	TOTAL *	\$3,180,758	\$16,035,343	0.775		466	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$775,136	\$4,700,140	0.863		174	
	02 RESTAURANTS	\$2,448,304	\$12,395,333	1.041		615	
	03 STORES	\$882,851	\$4,514,195	0.648		169	
	04 VENDING & RENTAL	\$10,605	\$63,691	0.659		1	
	05 FOOD & BEV. DIST.	\$199,188	\$931,856	1.230		41	
	06 NON-FOOD&BEV.DIST	\$397,043	\$2,048,034	0.717		35	
	12 BUILDINGS&OFFICES	\$689,271	\$3,878,305	1.214		160	
	TOTAL *	\$5,402,397	\$28,531,555	0.956		1,195	
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS	\$70,018	\$343,849	2.040		22	
	08 HEALTH CARE FACIL	\$114,591	\$667,034	0.538		13	
	10 SCHLS & CHURCHES	\$1,407,623	\$7,562,403	0.944		450	
	12 BUILDINGS&OFFICES	\$12,186	\$75,719	2.484		9	
	13 MISC. PREMISES	\$499	\$2,460	0.000		0	
	16 GOVT SUBDIVISIONS	\$80,184	\$793,243	0.567		6	
	TOTAL *	\$1,685,102	\$9,444,708	0.955		500	

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

TERRITORY	ALL	(1) FISCAL A.Y.E. 06/30/2021 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	\$121,102	\$520,890	0.412		16	
	04 VENDING & RENTAL	\$91,316	\$570,181	1.315		12	
	07 CLUBS, AMSMT & SPRTS	\$928,424	\$4,171,905	0.687		151	
	08 HEALTH CARE FACIL	\$9,560	\$45,104	0.000		0	
	09 HOTELS AND MOTELS	\$14,251	\$112,519	0.166		0	
	10 SCHLS & CHURCHES	\$5,033	\$35,576	0.950		4	
	12 BUILDINGS & OFFICES	\$251,481	\$1,325,086	1.316		82	
	13 MISC. PREMISES	\$184,476	\$1,053,463	1.504		53	
	TOTAL *	\$1,605,644	\$7,834,726	0.887		318	
TOTAL ALL	TOP						
	01 FOOD & BEV. (RETAIL)	\$1,137,685	\$7,892,100	0.945		428	
	02 RESTAURANTS	\$2,985,917	\$16,015,202	1.046		816	
	03 STORES	\$1,338,153	\$6,638,868	0.690		236	
	04 VENDING & RENTAL	\$113,677	\$732,176	1.174		16	
	05 FOOD & BEV. DIST.	\$222,850	\$1,142,379	1.142		43	
	06 NON-FOOD & BEV. DIST	\$528,228	\$2,552,999	0.978		54	
	07 CLUBS, AMSMT & SPRTS	\$1,364,682	\$6,512,831	1.088		283	
	08 HEALTH CARE FACIL	\$145,466	\$848,531	0.861		20	
	09 HOTELS AND MOTELS	\$1,457,170	\$9,539,392	1.703		810	
	10 SCHLS & CHURCHES	\$1,687,913	\$9,485,073	1.035		526	
	11 APARTMENTS	\$1,410,166	\$7,286,528	1.243		252	
	12 BUILDINGS & OFFICES	\$5,335,061	\$28,715,109	0.920		1,008	
	13 MISC. PREMISES	\$264,539	\$2,413,252	1.241		114	
	16 GOVT SUBDIVISIONS	\$80,184	\$793,243	0.567		6	
	TOTAL *	\$18,071,691	\$100,567,684	1.046		4,612	

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



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

TERRITORY	501	(1) FISCAL A.Y.E. 06/30/2021 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						
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$7,423	\$76,913	0.879	0.840	5	1.031
	02 RESTAURANTS	\$57,200	\$303,277	2.135	2.041	32	1.047
	03 STORES	\$8,623	\$62,607	0.860	0.822	5	1.005
	04 VENDING & RENTAL	\$915	\$12,090	0.000	0.000	0	1.070
	05 FOOD & BEV. DIST.	\$1,681	\$60,094	0.095	0.091	0	1.062
	06 NON-FOOD&BEV.DIST	\$25,949	\$96,354	0.023	0.022	2	1.052
	07 CLUBS,AMSMT&SPRTS	\$54,261	\$233,746	2.014	1.925	19	1.086
	08 HEALTH CARE FACIL	\$943	\$21,060	0.213	0.204	2	1.056
	09 HOTELS AND MOTELS	\$68,273	\$864,248	1.270	1.214	75	1.093
	10 SCHLS & CHURCHES	\$72,085	\$500,518	0.807	0.772	10	1.071
	11 APARTMENTS	\$184,063	\$1,383,621	0.831	0.794	14	1.065
	12 BUILDINGS&OFFICES	\$367,037	\$2,338,039	0.772	0.738	41	1.059
	13 MISC. PREMISES	\$12,516	\$220,294	0.985	0.941	30	1.091
	TOTAL *	\$860,969	\$6,172,861	0.976		235	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$162,922	\$886,476	3.393	3.244	61	1.117
	TOTAL *	\$162,922	\$886,476	3.393		61	
32 MULT APARTMENT	11 APARTMENTS	\$66,994	\$376,002	1.374	1.313	30	1.026
	12 BUILDINGS&OFFICES	\$7,249	\$44,590	0.461	0.441	1	1.020
	TOTAL *	\$74,243	\$420,592	1.285		31	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$667,840	\$2,910,742	0.964	0.922	74	0.962
	13 MISC. PREMISES	\$4,814	\$13,784	0.200	0.192	1	0.991
	TOTAL *	\$672,654	\$2,924,526	0.958		75	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$44,605	\$680,943	1.234	1.180	61	0.991
	02 RESTAURANTS	\$349,472	\$1,515,391	1.183	1.131	81	1.007
	03 STORES	\$101,977	\$475,874	0.705	0.674	24	0.967
	04 VENDING & RENTAL	\$3,105	\$10,203	2.252	2.153	1	1.029
	05 FOOD & BEV. DIST.	\$12,269	\$85,241	6.203	5.930	19	1.022
	06 NON-FOOD&BEV.DIST	\$57,450	\$267,724	0.994	0.951	2	1.011
	12 BUILDINGS&OFFICES	\$144,606	\$852,190	0.452	0.432	14	1.019
	TOTAL *	\$713,484	\$3,887,566	1.045		202	
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS	\$8,995	\$63,543	0.226	0.216	1	1.013
	08 HEALTH CARE FACIL	\$6,913	\$42,477	0.151	0.144	2	0.985
	10 SCHLS & CHURCHES	\$226,834	\$1,181,104	0.674	0.645	34	0.999
	12 BUILDINGS&OFFICES	\$1,170	\$5,916	2.231	2.133	2	0.988
	TOTAL *	\$243,913	\$1,293,040	0.650		39	

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

TERRITORY	501		(1) FISCAL A.Y.E. 06/30/2021 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		\$3,631	\$42,338	0.000	0.000	0	0.919
	04 VENDING & RENTAL		\$16,865	\$71,358	1.009	0.964	2	0.978
	07 CLUBS, AMSMT & SPRTS		\$88,780	\$372,064	0.210	0.201	2	0.992
	08 HEALTH CARE FACIL		\$4,681	\$24,929	0.000	0.000	0	0.965
	09 HOTELS AND MOTELS		\$0	\$30,601	0.000	0.000	0	0.999
	10 SCHLS & CHURCHES		\$2,541	\$7,960	1.881	1.798	4	0.979
	12 BUILDINGS & OFFICES		\$73,563	\$343,315	2.637	2.521	27	0.968
	13 MISC. PREMISES		\$26,946	\$183,212	2.143	2.048	15	0.997
	TOTAL *		\$217,008	\$1,075,778	1.347		50	
TOTAL ALL	TOP	01 FOOD & BEV. (RETAIL)	\$52,028	\$757,856	1.183		66	
		02 RESTAURANTS	\$406,672	\$1,818,668	1.317		113	
		03 STORES	\$114,231	\$580,819	0.694		29	
		04 VENDING & RENTAL	\$20,885	\$93,651	1.149		3	
		05 FOOD & BEV. DIST.	\$13,950	\$145,335	5.467		19	
		06 NON-FOOD & BEV. DIST	\$83,399	\$364,078	0.692		4	
		07 CLUBS, AMSMT & SPRTS	\$152,037	\$669,353	0.855		22	
		08 HEALTH CARE FACIL	\$12,537	\$88,466	0.099		4	
		09 HOTELS AND MOTELS	\$231,195	\$1,781,325	2.766		136	
		10 SCHLS & CHURCHES	\$301,460	\$1,689,582	0.716		48	
		11 APARTMENTS	\$251,057	\$1,759,623	0.976		44	
		12 BUILDINGS & OFFICES	\$1,261,465	\$6,494,792	0.945		159	
		13 MISC. PREMISES	\$44,276	\$417,290	1.604		46	
		TOTAL *	\$2,945,192	\$16,660,838	1.130		693	

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

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

TERRITORY	503	(1) FISCAL A.Y.E. 06/30/2021 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						
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$29,422	\$350,079	0.934	0.893	33	1.005
	02 RESTAURANTS	\$235,676	\$1,506,307	0.798	0.763	71	1.022
	03 STORES	\$51,517	\$406,236	0.905	0.866	10	0.980
	04 VENDING & RENTAL	\$3,851	\$43,996	0.718	0.686	1	1.043
	05 FOOD & BEV. DIST.	\$18,039	\$87,332	0.000	0.000	0	1.036
	06 NON-FOOD&BEV.DIST	\$14,967	\$102,096	6.390	6.109	3	1.026
	07 CLUBS,AMSMT&SPRTS	\$48,307	\$338,852	3.108	2.971	27	1.059
	08 HEALTH CARE FACIL	\$11,881	\$67,113	0.322	0.308	2	1.030
	09 HOTELS AND MOTELS	\$163,001	\$1,810,966	0.910	0.870	107	1.066
	10 SCHLS & CHURCHES	\$61,636	\$413,318	2.806	2.683	16	1.044
	11 APARTMENTS	\$182,195	\$1,038,153	1.569	1.500	35	1.039
	12 BUILDINGS&OFFICES	\$370,096	\$2,209,985	1.162	1.111	79	1.033
	13 MISC. PREMISES	\$12,319	\$682,826	0.493	0.472	7	1.064
	TOTAL *	\$1,202,907	\$9,057,259	1.295		391	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$439,151	\$2,025,935	1.626	1.555	140	1.089
	TOTAL *	\$439,151	\$2,025,935	1.626		140	
32 MULT APARTMENT	11 APARTMENTS	\$313,821	\$1,316,608	0.779	0.745	55	1.000
	12 BUILDINGS&OFFICES	\$61,045	\$306,971	1.209	1.156	16	0.994
	TOTAL *	\$374,866	\$1,623,579	0.849		71	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$1,030,066	\$5,460,408	0.623	0.596	138	0.938
	13 MISC. PREMISES	\$8,702	\$48,416	0.000	0.000	0	0.966
	TOTAL *	\$1,038,769	\$5,508,824	0.618		138	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$102,477	\$787,237	0.232	0.221	10	0.967
	02 RESTAURANTS	\$820,900	\$4,064,827	1.170	1.118	221	0.983
	03 STORES	\$244,579	\$1,222,671	0.805	0.770	59	0.943
	04 VENDING & RENTAL	\$1,498	\$8,385	0.000	0.000	0	1.003
	05 FOOD & BEV. DIST.	\$74,939	\$373,819	0.669	0.640	6	0.996
	06 NON-FOOD&BEV.DIST	\$109,798	\$734,764	1.423	1.360	15	0.987
	12 BUILDINGS&OFFICES	\$185,019	\$993,175	1.905	1.821	44	0.993
	TOTAL *	\$1,539,209	\$8,184,878	1.130		355	
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS	\$935	\$1,618	0.000	0.000	0	0.988
	08 HEALTH CARE FACIL	\$31,917	\$176,014	0.353	0.337	4	0.961
	10 SCHLS & CHURCHES	\$467,176	\$2,602,760	0.595	0.569	81	0.974
	12 BUILDINGS&OFFICES	\$6,778	\$46,268	0.040	0.038	0	0.964
	13 MISC. PREMISES	\$28	\$138	0.000	0.000	0	0.993
	16 GOVT SUBDIVISIONS	\$0	\$11	0.000	0.000	0	0.956
	TOTAL *	\$506,834	\$2,826,809	0.571		85	

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

TERRITORY	503		(1) FISCAL A.Y.E. 06/30/2021 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		\$25,473	\$106,214	0.132	0.126	3	0.896
	04 VENDING & RENTAL		\$40,308	\$319,325	0.869	0.831	3	0.954
	07 CLUBS, AMSMT & SPRTS		\$311,799	\$1,242,786	0.860	0.822	49	0.968
	08 HEALTH CARE FACIL		\$4,238	\$17,219	0.000	0.000	0	0.941
	09 HOTELS AND MOTELS		\$4,298	\$13,053	0.000	0.000	0	0.974
	10 SCHLS & CHURCHES		\$1,294	\$8,815	0.000	0.000	0	0.954
	12 BUILDINGS & OFFICES		\$77,660	\$449,092	0.921	0.881	20	0.944
	13 MISC. PREMISES		\$74,996	\$456,332	1.299	1.242	17	0.972
	TOTAL *		\$540,068	\$2,612,837	0.880		92	
TOTAL ALL	TOP	01 FOOD & BEV. (RETAIL)	\$131,899	\$1,137,316	0.388		43	
		02 RESTAURANTS	\$1,056,576	\$5,571,134	1.087		292	
		03 STORES	\$321,569	\$1,735,122	0.768		72	
		04 VENDING & RENTAL	\$45,657	\$371,707	0.828		4	
		05 FOOD & BEV. DIST.	\$92,978	\$461,151	0.539		6	
		06 NON-FOOD & BEV. DIST	\$124,765	\$836,860	2.019		18	
		07 CLUBS, AMSMT & SPRTS	\$361,042	\$1,583,256	1.159		76	
		08 HEALTH CARE FACIL	\$48,036	\$260,346	0.314		6	
		09 HOTELS AND MOTELS	\$606,450	\$3,849,954	1.422		247	
		10 SCHLS & CHURCHES	\$530,107	\$3,024,893	0.851		97	
		11 APARTMENTS	\$496,016	\$2,354,761	1.069		90	
		12 BUILDINGS & OFFICES	\$1,730,664	\$9,465,898	0.907		297	
		13 MISC. PREMISES	\$96,045	\$1,187,712	1.078		24	
		16 GOVT SUBDIVISIONS	\$0	\$11	0.000		0	
		TOTAL *	\$5,641,804	\$31,840,121	1.017		1,272	

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

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

TERRITORY	504	(1) FISCAL A.Y.E. 06/30/2021 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						
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$22,488	\$250,845	1.798	1.719	27	1.032
	02 RESTAURANTS	\$15,160	\$88,877	0.257	0.246	3	1.049
	03 STORES	\$9,707	\$29,556	4.721	4.514	4	1.007
	04 VENDING & RENTAL	\$153	\$3,030	0.000	0.000	0	1.071
	05 FOOD & BEV. DIST.	\$29	\$6,756	0.000	0.000	0	1.064
	06 NON-FOOD&BEV.DIST	\$15,306	\$37,915	0.479	0.458	2	1.053
	07 CLUBS,AMSMT&SPRTS	\$11,686	\$64,096	0.130	0.124	2	1.087
	08 HEALTH CARE FACIL	\$447	\$2,221	0.314	0.300	0	1.058
	09 HOTELS AND MOTELS	\$1,305	\$17,824	1.116	1.067	1	1.095
	10 SCHLS & CHURCHES	\$6,393	\$32,309	3.844	3.674	2	1.073
	11 APARTMENTS	\$15,109	\$67,463	2.515	2.405	3	1.067
	12 BUILDINGS&OFFICES	\$42,041	\$181,864	1.653	1.581	7	1.061
	13 MISC. PREMISES	\$654	\$3,933	0.000	0.000	0	1.093
	TOTAL *	\$140,478	\$786,689	1.656		51	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$22,776	\$109,672	0.292	0.279	8	1.119
	TOTAL *	\$22,776	\$109,672	0.292		8	
32 MULT APARTMENT	11 APARTMENTS	\$33,501	\$151,808	2.176	2.081	5	1.027
	12 BUILDINGS&OFFICES	\$2,345	\$9,483	0.146	0.140	1	1.021
	TOTAL *	\$35,846	\$161,291	2.043		6	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$147,608	\$759,590	1.366	1.306	43	0.964
	13 MISC. PREMISES	\$1,250	\$6,775	0.000	0.000	0	0.992
	TOTAL *	\$148,857	\$766,365	1.355		43	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$13,704	\$107,018	0.441	0.421	3	0.993
	02 RESTAURANTS	\$104,761	\$519,019	0.393	0.376	28	1.009
	03 STORES	\$54,242	\$275,140	0.504	0.482	8	0.968
	04 VENDING & RENTAL	\$42	\$4,136	0.000	0.000	0	1.031
	05 FOOD & BEV. DIST.	\$6,314	\$30,145	0.046	0.044	1	1.023
	06 NON-FOOD&BEV.DIST	\$5,840	\$38,844	0.101	0.097	0	1.013
	12 BUILDINGS&OFFICES	\$29,339	\$165,591	3.153	3.014	14	1.020
	TOTAL *	\$214,242	\$1,139,892	0.784		54	
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS	\$1,122	\$13,855	2.818	2.695	1	1.015
	08 HEALTH CARE FACIL	\$8,252	\$40,816	3.970	3.796	2	0.987
	10 SCHLS & CHURCHES	\$65,836	\$312,340	0.406	0.388	25	1.001
	12 BUILDINGS&OFFICES	\$565	\$2,961	0.000	0.000	0	0.990
	TOTAL *	\$75,775	\$369,973	0.826		28	

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

TERRITORY	504		(1) FISCAL A.Y.E. 06/30/2021 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		\$7,530	\$29,534	0.215	0.206	2	0.920
	04 VENDING & RENTAL		\$8,093	\$38,729	0.174	0.166	3	0.979
	07 CLUBS, AMSMT & SPRTS		\$33,916	\$178,665	0.684	0.654	8	0.994
	08 HEALTH CARE FACIL		\$173	\$604	0.000	0.000	0	0.967
	09 HOTELS AND MOTELS		\$2,044	\$10,884	0.000	0.000	0	1.001
	10 SCHLS & CHURCHES		\$128	\$641	0.000	0.000	0	0.980
	12 BUILDINGS & OFFICES		\$14,988	\$72,933	1.685	1.611	11	0.970
	13 MISC. PREMISES		\$6,020	\$35,143	0.000	0.000	0	0.999
	TOTAL *		\$72,892	\$367,132	0.706		24	
TOTAL ALL	TOP	01 FOOD & BEV. (RETAIL)	\$36,192	\$357,863	1.284		30	
		02 RESTAURANTS	\$119,921	\$607,896	0.376		31	
		03 STORES	\$71,479	\$334,229	1.046		14	
		04 VENDING & RENTAL	\$8,288	\$45,894	0.169		3	
		05 FOOD & BEV. DIST.	\$6,343	\$36,901	0.046		1	
		06 NON-FOOD & BEV. DIST	\$21,146	\$76,759	0.375		2	
		07 CLUBS, AMSMT & SPRTS	\$46,724	\$256,616	0.597		11	
		08 HEALTH CARE FACIL	\$8,873	\$43,641	3.709		2	
		09 HOTELS AND MOTELS	\$26,125	\$138,380	0.310		9	
		10 SCHLS & CHURCHES	\$72,357	\$345,290	0.709		27	
		11 APARTMENTS	\$48,610	\$219,271	2.282		8	
		12 BUILDINGS & OFFICES	\$236,885	\$1,192,422	1.643		76	
		13 MISC. PREMISES	\$7,923	\$45,851	0.000		0	
	TOTAL *		\$710,867	\$3,701,013	1.120		214	

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

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

TERRITORY	505	(1) FISCAL A.Y.E. 06/30/2021 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						
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$303,216	\$2,514,123	1.092	1.044	189	1.019
	02 RESTAURANTS	\$229,577	\$1,721,408	1.141	1.091	95	1.036
	03 STORES	\$264,353	\$1,105,384	0.762	0.729	32	0.994
	04 VENDING & RENTAL	\$6,838	\$39,187	0.520	0.497	2	1.058
	05 FOOD & BEV. DIST.	\$3,913	\$56,341	2.416	2.310	2	1.050
	06 NON-FOOD&BEV.DIST	\$74,963	\$268,600	1.709	1.633	12	1.040
	07 CLUBS, AMSMT&SPRTS	\$251,985	\$1,360,383	1.758	1.681	62	1.073
	08 HEALTH CARE FACIL	\$8,043	\$45,998	7.393	7.068	3	1.044
	09 HOTELS AND MOTELS	\$108,078	\$894,040	2.370	2.265	103	1.081
	10 SCHLS & CHURCHES	\$135,142	\$940,949	1.167	1.116	44	1.059
	11 APARTMENTS	\$268,465	\$1,329,059	1.489	1.423	38	1.053
	12 BUILDINGS&OFFICES	\$345,037	\$2,261,136	0.926	0.885	130	1.047
	13 MISC. PREMISES	\$30,467	\$338,861	1.033	0.987	23	1.078
	TOTAL *	\$2,030,077	\$12,875,469	1.282		735	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$477,413	\$2,817,712	1.493	1.428	315	1.104
	TOTAL *	\$477,413	\$2,817,712	1.493		315	
32 MULT APARTMENT	11 APARTMENTS	\$346,018	\$1,623,814	1.349	1.289	72	1.014
	12 BUILDINGS&OFFICES	\$30,125	\$160,002	2.143	2.049	17	1.008
	TOTAL *	\$376,143	\$1,783,816	1.412		89	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$1,311,635	\$6,793,188	0.745	0.712	210	0.951
	13 MISC. PREMISES	\$8,843	\$42,440	0.000	0.000	0	0.979
	TOTAL *	\$1,320,479	\$6,835,628	0.740		210	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$614,351	\$3,124,943	0.951	0.910	100	0.980
	02 RESTAURANTS	\$1,173,170	\$6,296,097	0.966	0.923	285	0.996
	03 STORES	\$482,053	\$2,540,510	0.572	0.547	78	0.956
	04 VENDING & RENTAL	\$5,960	\$40,967	0.000	0.000	0	1.017
	05 FOOD & BEV. DIST.	\$105,666	\$442,651	1.121	1.071	15	1.010
	06 NON-FOOD&BEV.DIST	\$223,954	\$1,006,702	0.317	0.303	18	1.000
	12 BUILDINGS&OFFICES	\$330,307	\$1,867,350	0.989	0.945	88	1.007
	TOTAL *	\$2,935,462	\$15,319,219	0.855		584	
35 MULT INSTITUT.	07 CLUBS, AMSMT&SPRTS	\$58,966	\$264,833	2.334	2.231	20	1.001
	08 HEALTH CARE FACIL	\$67,510	\$407,727	0.245	0.234	5	0.974
	10 SCHLS & CHURCHES	\$647,777	\$3,466,199	1.346	1.286	310	0.988
	12 BUILDINGS&OFFICES	\$3,672	\$20,574	7.458	7.130	7	0.977
	13 MISC. PREMISES	\$472	\$2,322	0.000	0.000	0	1.006
	16 GOVT SUBDIVISIONS	\$80,184	\$793,232	0.567	0.542	6	0.969
	TOTAL *	\$858,580	\$4,954,887	1.280		348	

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

TERRITORY		505		(1)	(2)	(3)	(4)	(5)	(6)
				FISCAL A.Y.E. 06/30/2021	FISCAL A.Y.E. 2017				
				AGGREGATE LOSS COSTS AT CURRENT LEVEL	- 2021 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
36 MULT SERVICES		03 STORES		\$84,468	\$342,804	0.532	0.508	11	0.908
		04 VENDING & RENTAL		\$26,049	\$140,769	2.559	2.446	4	0.967
		07 CLUBS, AMSMT & SPRTS		\$493,929	\$2,378,390	0.664	0.635	92	0.981
		08 HEALTH CARE FACIL		\$467	\$2,352	0.000	0.000	0	0.954
		09 HOTELS AND MOTELS		\$7,909	\$57,981	0.298	0.285	0	0.988
		10 SCHLS & CHURCHES		\$1,070	\$18,161	0.000	0.000	0	0.967
		12 BUILDINGS & OFFICES		\$85,270	\$459,746	0.471	0.450	24	0.957
		13 MISC. PREMISES		\$76,513	\$378,776	1.598	1.528	21	0.986
		TOTAL *		\$775,676	\$3,778,979	0.779		152	
TOTAL ALL	TOP	01 FOOD & BEV. (RETAIL)		\$917,567	\$5,639,066	0.998		289	
		02 RESTAURANTS		\$1,402,747	\$8,017,505	0.994		380	
		03 STORES		\$830,874	\$3,988,698	0.628		121	
		04 VENDING & RENTAL		\$38,847	\$220,923	1.807		6	
		05 FOOD & BEV. DIST.		\$109,579	\$498,992	1.167		17	
		06 NON-FOOD & BEV. DIST		\$298,917	\$1,275,302	0.666		30	
		07 CLUBS, AMSMT & SPRTS		\$804,880	\$4,003,606	1.129		174	
		08 HEALTH CARE FACIL		\$76,020	\$456,077	1.000		8	
		09 HOTELS AND MOTELS		\$593,400	\$3,769,733	1.637		418	
		10 SCHLS & CHURCHES		\$783,989	\$4,425,309	1.313		354	
		11 APARTMENTS		\$614,483	\$2,952,873	1.410		110	
		12 BUILDINGS & OFFICES		\$2,106,047	\$11,561,996	0.833		476	
		13 MISC. PREMISES		\$116,295	\$762,399	1.322		44	
		16 GOVT SUBDIVISIONS		\$80,184	\$793,232	0.567		6	
		TOTAL *		\$8,773,829	\$48,365,711	1.030		2,433	

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



TENNESSEE  
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			
CLASS GROUP					(5) INDICATED MULTISTATE MONOLINE CHANGE	(6) INDICATED STATEWIDE MONOLINE CHANGE #	(7) SELECTED STATEWIDE MONOLINE CHANGE
3	1.012	0.447	1.005	1.005	- 11.7%	- 6.2%	- 6.2%
4	0.996	0.398	0.998	0.998	- 12.3%	- 10.8%	- 10.8%
5	1.144	0.114	1.015	1.015	- 10.8%	- 0.4%	- 0.4%
6	0.999	0.309	1.000	1.000	- 12.1%	- 13.3%	- 13.3%
7	0.900	0.162	0.983	0.983	- 13.6%	- 18.4%	- 18.4%
OVERALL MONOLINE CHANGE *					- 12.1%	- 11.5%	- 11.5%

# 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 ALCCL 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) CALENDAR A.Y.E. 12/31/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2016 - 2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) 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.

TENNESSEE  
LOCAL PRODUCTS/COMPLETED OPERATIONS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1)	(2)	(3)	(4)	MULTISTATE COVERAGE INDICATION OF - 12.1%		
TOP	BAILEY FORMULA RELATIV.	CREDIBILITY Z	Z-WTD RELATIV.	BALANCED RELATIV.			
10	1.036	0.789	1.028	1.028			
34	1.000	0.501	1.000	1.000			
36	0.992	0.561	0.995	0.996			
37	0.967	0.144	0.995	0.995			
38	0.980	0.980	0.981	0.981			
					(5)	(6)	(7)
					INDICATED	INDICATED	SELECTED
					MULTISTATE	STATEWIDE	STATEWIDE
CLASS					MONOLINE	MONOLINE	MONOLINE
GROUP					CHANGE	CHANGE #	CHANGE
1	1.042	0.497	1.020	1.020	- 6.4%	- 10.7%	- 9.9%
2	0.974	0.546	0.986	0.985	- 10.1%	- 14.7%	- 13.8%
11	1.162	0.374	1.058	1.057	- 4.5%	- 8.9%	- 10.9%
12	1.000	1.000	1.000	0.999	- 9.7%	- 13.8%	- 13.8%
13	0.871	0.263	0.964	0.964	- 12.9%	- 17.0%	- 16.9%
OVERALL MONOLINE CHANGE *					- 9.5%	- 13.7%	- 13.7%

# 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
	1.606	0.241	1.121	1.118		
	1.158	0.724	1.112	1.109		
	1.209	0.475	1.094	1.092		
	1.169	0.495	1.080	1.077		
	1.180	0.424	1.073	1.070		
	1.208	0.300	1.058	1.056		
	1.166	0.323	1.051	1.048		
	1.172	0.264	1.043	1.040		
	1.191	0.226	1.040	1.038		
	1.104	0.352	1.035	1.033		
	1.178	0.208	1.035	1.032		
	1.130	0.230	1.028	1.026		
	1.262	0.110	1.026	1.024		
	1.137	0.176	1.023	1.020		
	1.131	0.104	1.013	1.010		
	1.041	0.204	1.008	1.006		
	1.052	0.136	1.007	1.004		
	1.005	0.138	1.001	0.998		
	1.001	0.253	1.000	0.998		
	1.000	0.573	1.000	0.997		
	0.999	0.640	0.999	0.997		
	0.997	0.475	0.999	0.996		
	0.992	0.361	0.997	0.995		
	0.991	0.416	0.996	0.994		
	0.979	0.218	0.995	0.993		
	0.984	0.333	0.994	0.992		
	0.980	0.327	0.993	0.991		
	0.949	0.165	0.991	0.989		
	0.657	0.027	0.989	0.986		
	0.967	0.446	0.985	0.983		
	0.948	0.347	0.982	0.979		
	0.928	0.268	0.980	0.978		
	0.914	0.255	0.977	0.975		
	0.835	0.161	0.971	0.969		
	0.919	0.381	0.968	0.966		
	0.767	0.153	0.960	0.958		
	0.879	0.320	0.960	0.957		
TENNESSEE	0.893	0.382	0.958	0.955	- 13.7%	- 13.7%
	0.772	0.168	0.957	0.955		
	0.834	0.250	0.956	0.953		
	0.904	0.499	0.951	0.949		
	0.813	0.246	0.950	0.948		
	0.904	0.507	0.950	0.948		
	0.807	0.245	0.949	0.946		
	0.727	0.166	0.949	0.946		
	0.856	0.366	0.945	0.942		
	0.859	0.388	0.943	0.941		
	0.741	0.202	0.941	0.939		
	0.834	0.433	0.924	0.922		
	0.124	0.038	0.923	0.921		
	0.734	0.321	0.906	0.903		
	0.739	0.371	0.894	0.892		

\* Sorted by balanced relative change.

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

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

TYPE OF POLICY	CLASS GROUP	(1) CALENDAR A.Y.E. 12/31/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2016 - 2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	1 RET.STRS-FOOD/DRG	\$30,351	\$184,045	0.949	1.051	14	1.002
	2 RET.STRS-NTFD/DRG	\$72,300	\$274,243	0.542	0.600	8	0.968
	11 COMP. OPS. (LOW)	\$220,730	\$998,561	0.785	0.869	13	1.038
	12 COMP. OPS. (MED)	\$2,630,705	\$13,071,904	1.008	1.116	201	0.981
	13 COMP. OPS. (HGH)	\$150,169	\$907,380	0.139	0.154	7	0.947
	TOTAL *	\$3,104,254	\$15,436,132	0.938		243	
34 MULT MERCANTILE	1 RET.STRS-FOOD/DRG	\$176,736	\$878,289	1.389	1.538	119	0.974
	2 RET.STRS-NTFD/DRG	\$147,060	\$759,541	0.600	0.665	19	0.941
	12 COMP. OPS. (MED)	\$63,159	\$280,869	0.321	0.355	4	0.954
	TOTAL *	\$386,955	\$1,918,699	0.915		142	
36 MULT SERVICES	1 RET.STRS-FOOD/DRG	\$17,748	\$218,592	0.470	0.520	13	0.970
	2 RET.STRS-NTFD/DRG	\$252,209	\$1,182,833	0.695	0.770	53	0.937
	11 COMP. OPS. (LOW)	\$32,359	\$167,990	1.463	1.620	6	1.005
	12 COMP. OPS. (MED)	\$126,057	\$551,508	1.193	1.321	27	0.950
	13 COMP. OPS. (HGH)	\$15,610	\$68,255	0.037	0.041	0	0.917
	TOTAL *	\$443,983	\$2,189,179	0.860		99	
37 MULT INDUST/PROC.	11 COMP. OPS. (LOW)	\$313	\$1,489	0.000	0.000	0	1.005
	12 COMP. OPS. (MED)	\$69,031	\$361,015	0.528	0.585	6	0.950
	TOTAL *	\$69,344	\$362,504	0.526		6	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$228,285	\$1,326,854	0.850	0.941	23	0.991
	12 COMP. OPS. (MED)	\$4,062,917	\$21,228,908	0.710	0.786	280	0.936
	13 COMP. OPS. (HGH)	\$308,434	\$1,659,750	0.628	0.696	10	0.903
	TOTAL *	\$4,599,636	\$24,215,512	0.711		313	
TOTAL ALL	TOP						
	1 RET.STRS-FOOD/DRG	\$224,836	\$1,280,926	1.257		146	
	2 RET.STRS-NTFD/DRG	\$471,568	\$2,216,616	0.642		80	
	11 COMP. OPS. (LOW)	\$481,688	\$2,494,894	0.861		42	
	12 COMP. OPS. (MED)	\$6,951,869	\$35,494,205	0.826		518	
	13 COMP. OPS. (HGH)	\$474,213	\$2,635,384	0.454		17	
	TOTAL *	\$8,604,173	\$44,122,026	0.808		803	

\* 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) CALENDAR A.Y.E. 12/31/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2016 - 2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	1 RET.STRS-FOOD/DRG	\$1,903,948	\$12,505,719	0.979		647	
	2 RET.STRS-NTFD/DRG	\$3,370,047	\$16,846,833	0.877		518	
	11 COMP. OPS. (LOW)	\$5,913,795	\$29,495,674	1.464		782	
	12 COMP. OPS. (MED)	\$118,130,183	\$561,507,688	0.947		7,137	
	13 COMP. OPS. (HGH)	\$8,466,592	\$42,769,497	0.713		261	
	TOTAL *	\$137,784,565	\$663,125,411	0.953		9,345	
34 MULT MERCANTILE	1 RET.STRS-FOOD/DRG	\$7,720,702	\$41,860,942	0.970		2,895	
	2 RET.STRS-NTFD/DRG	\$7,183,862	\$36,090,678	0.875		729	
	12 COMP. OPS. (MED)	\$3,179,848	\$14,786,058	0.866		141	
	TOTAL *	\$18,084,412	\$92,737,678	0.914		3,765	
36 MULT SERVICES	1 RET.STRS-FOOD/DRG	\$819,837	\$5,043,811	0.881		168	
	2 RET.STRS-NTFD/DRG	\$14,648,152	\$70,216,212	0.903		3,225	
	11 COMP. OPS. (LOW)	\$3,324,894	\$17,992,106	0.956		484	
	12 COMP. OPS. (MED)	\$5,439,265	\$29,428,710	0.934		785	
	13 COMP. OPS. (HGH)	\$1,445,979	\$6,962,541	0.629		66	
	TOTAL *	\$25,678,127	\$129,643,380	0.900		4,728	
37 MULT INDUST/PROC.	1 RET.STRS-FOOD/DRG	\$26,161	\$133,417	0.000		0	
	11 COMP. OPS. (LOW)	\$116,194	\$618,002	0.343		14	
	12 COMP. OPS. (MED)	\$5,016,988	\$25,647,668	0.885		298	
	13 COMP. OPS. (HGH)	\$25,189	\$203,264	0.000		0	
	TOTAL *	\$5,184,532	\$26,602,352	0.864		312	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$11,434,185	\$60,433,060	0.868		813	
	12 COMP. OPS. (MED)	\$197,053,567	\$1,022,050,684	0.876		12,895	
	13 COMP. OPS. (HGH)	\$16,344,400	\$81,033,507	0.834		712	
	TOTAL *	\$224,832,152	\$1,163,517,251	0.872		14,420	
TOTAL ALL	TOP						
	1 RET.STRS-FOOD/DRG	\$10,470,647	\$59,543,889	0.962		3,710	
	2 RET.STRS-NTFD/DRG	\$25,202,060	\$123,153,723	0.891		4,472	
	11 COMP. OPS. (LOW)	\$20,789,068	\$108,538,842	1.049		2,093	
	12 COMP. OPS. (MED)	\$328,819,852	\$1,653,420,808	0.902		21,256	
	13 COMP. OPS. (HGH)	\$26,282,159	\$130,968,810	0.783		1,039	
	TOTAL *	\$411,563,786	\$2,075,626,072	0.903		32,570	

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

TENNESSEE  
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		AGGREGATE LOSS COSTS	
POLICY	ENDING	AT CURRENT LEVEL	X	FACTOR +	X	TREND #	X	AT CURRENT LEVEL	
							AVERAGE	=	
							IPMF *		
MONOLINE	06/30/2018	\$6,275,898		1.000		1.229			\$7,713,079
	06/30/2019	\$6,481,087		1.000		1.192			\$7,725,456
	06/30/2020	\$7,074,860		1.001		1.173			\$8,307,110
	06/30/2021	\$7,289,873		1.035		1.144			\$8,631,501
MULTILINE	06/30/2018	\$12,059,804		1.000		1.226	0.893		\$13,203,290
	06/30/2019	\$12,444,347		1.000		1.195	0.890		\$13,235,185
	06/30/2020	\$13,162,749		1.001		1.179	0.886		\$13,763,478
	06/30/2021	\$12,838,505		1.035		1.151	0.888		\$13,581,355
TOTAL	06/30/2018								\$20,916,369
	06/30/2019								\$20,960,641
	06/30/2020								\$22,070,588
	06/30/2021								\$22,212,856

+ 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 06/01/2023 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.

TENNESSEE  
MANUFACTURERS AND CONTRACTORS  
OCCURRENCE  
FULL 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	DEVELOPMENT	ADJUSTMENT	X	SEVERITY	X	FREQUENCY	TRENDED LOSSES	
					FACTOR #	FACTOR		TREND		TREND	=	AND ALAE
BI	B/L INDEMNITY	06/30/2018	\$2,292,548		0.997	1.080		1.410		0.968		\$3,369,239
		06/30/2019	\$2,350,974		1.012	1.080		1.336		0.973		\$3,340,192
		06/30/2020	\$1,811,792		1.156	1.080		1.267		0.978		\$2,802,886
		06/30/2021	\$2,110,936		1.590	1.080		1.201		0.983		\$4,279,494
BI	ALAE	06/30/2018	\$1,308,809			1.080		1.410		0.968		\$1,929,277
		06/30/2019	\$1,890,415			1.080		1.336		0.973		\$2,653,996
		06/30/2020	\$1,439,300			1.080		1.267		0.978		\$1,926,152
		06/30/2021	\$2,375,390			1.080		1.201		0.983		\$3,028,693
PD	B/L INDEMNITY	06/30/2018	\$3,773,038		1.011	1.080		1.326		0.968		\$5,287,921
		06/30/2019	\$4,556,957		1.022	1.080		1.269		0.973		\$6,210,464
		06/30/2020	\$4,652,737		1.065	1.080		1.215		0.978		\$6,359,120
		06/30/2021	\$3,155,950		1.142	1.080		1.162		0.983		\$4,446,104
PD	ALAE	06/30/2018	\$1,334,144			1.080		1.326		0.968		\$1,849,462
		06/30/2019	\$1,349,628			1.080		1.269		0.973		\$1,799,751
		06/30/2020	\$1,597,350			1.080		1.215		0.978		\$2,049,930
		06/30/2021	\$985,775			1.080		1.162		0.983		\$1,216,077
MED PAY #	B/L INDEMNITY	06/30/2018	\$69,406			1.080		1.410		0.968		\$102,309
		06/30/2019	\$53,186			1.080		1.336		0.973		\$74,669
		06/30/2020	\$79,523			1.080		1.267		0.978		\$106,422
		06/30/2021	\$68,584			1.080		1.201		0.983		\$87,447
FRINGE	B/L INDEMNITY	06/30/2018	\$230,249		1.054	1.080		1.000		0.968		\$253,710
		06/30/2019	\$92,261		1.106	1.080		1.000		0.973		\$107,228
		06/30/2020	\$16,456		1.212	1.080		1.000		0.978		\$21,066
		06/30/2021	\$269,961		1.505	1.080		1.000		0.983		\$431,335
FRINGE	ALAE	06/30/2018	\$243,802			1.080		1.000		0.968		\$254,880
		06/30/2019	\$43,359			1.080		1.000		0.973		\$45,563
		06/30/2020	\$15,456			1.080		1.000		0.978		\$16,326
		06/30/2021	\$360,003			1.080		1.000		0.983		\$382,193
TOTAL												
FULL COVERAGE		06/30/2018										\$13,046,798
		06/30/2019										\$14,231,863
		06/30/2020										\$13,281,902
		06/30/2021										\$13,871,343

\* 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.



TENNESSEE  
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		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	06/30/2018	\$204,857		1.002		1.080		1.410		0.968		\$302,578
		06/30/2019	\$121,213		1.142		1.080		1.336		0.973		\$194,338
		06/30/2020	\$451,500		1.567		1.080		1.267		0.978		\$946,817
		06/30/2021	\$12,500		2.550		1.080		1.201		0.983		\$40,642
BI	ALAE	06/30/2018	\$59,458				1.080		1.410		0.968		\$87,646
		06/30/2019	\$40,458				1.080		1.336		0.973		\$56,799
		06/30/2020	\$316,270				1.080		1.267		0.978		\$423,250
		06/30/2021	\$16,793				1.080		1.201		0.983		\$21,411
PD	B/L INDEMNITY	06/30/2018	\$1,128,461		1.039		1.080		1.326		0.968		\$1,625,342
		06/30/2019	\$1,106,836		1.056		1.080		1.269		0.973		\$1,558,639
		06/30/2020	\$515,350		1.121		1.080		1.215		0.978		\$741,390
		06/30/2021	\$639,393		1.242		1.080		1.162		0.983		\$979,654
PD	ALAE	06/30/2018	\$300,134				1.080		1.326		0.968		\$416,062
		06/30/2019	\$173,663				1.080		1.269		0.973		\$231,582
		06/30/2020	\$217,117				1.080		1.215		0.978		\$278,633
		06/30/2021	\$183,840				1.080		1.162		0.983		\$226,790
MED PAY #	B/L INDEMNITY	06/30/2018	\$302				1.080		1.410		0.968		\$445
		06/30/2019	\$9,500				1.080		1.336		0.973		\$13,337
		06/30/2020	\$0				1.080		1.267		0.978		\$0
		06/30/2021	\$1,528				1.080		1.201		0.983		\$1,948
TOTAL													
DED COVERAGE		06/30/2018											\$2,432,073
		06/30/2019											\$2,054,695
		06/30/2020											\$2,390,090
		06/30/2021											\$1,270,445
TOTAL													
OCCURRENCE		06/30/2018											\$15,478,872
		06/30/2019											\$16,286,559
		06/30/2020											\$15,671,992
		06/30/2021											\$15,141,789

\* 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.

TENNESSEE  
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	06/30/2018	\$6,147,269		1.000		1.065				\$6,546,841
	06/30/2019	\$5,502,527		1.000		1.053				\$5,794,161
	06/30/2020	\$4,846,254		1.000		1.040				\$5,040,104
	06/30/2021	\$4,106,700		1.000		1.031				\$4,234,008
MULTILINE	06/30/2018	\$14,239,468		1.000		1.066		0.948		\$14,389,951
	06/30/2019	\$14,659,967		1.000		1.054		0.949		\$14,663,573
	06/30/2020	\$14,369,274		1.000		1.041		0.953		\$14,255,369
	06/30/2021	\$14,055,594		1.000		1.034		0.952		\$13,835,877
TOTAL	06/30/2018									\$20,936,792
	06/30/2019									\$20,457,734
	06/30/2020									\$19,295,473
	06/30/2021									\$18,069,885

+ 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 06/01/2023 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.

TENNESSEE  
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 LOSS ADJUSTMENT FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000
					BASIC LIMIT								BASIC LIMIT
					INDEMNITY DEVELOPMENT FACTOR #								INDEMNITY DEVELOPED & TRENDED LOSSES AND ALAE
BI	B/L INDEMNITY	06/30/2018	\$7,925,537		0.978		1.080		1.498		0.968		\$12,138,876
		06/30/2019	\$8,456,492		0.948		1.080		1.407		0.973		\$11,853,027
		06/30/2020	\$6,766,520		0.981		1.080		1.321		0.978		\$9,261,894
		06/30/2021	\$6,096,785		1.317		1.080		1.240		0.983		\$10,570,259
BI	ALAE	06/30/2018	\$2,620,679				1.080		1.498		0.968		\$4,104,164
		06/30/2019	\$3,021,322				1.080		1.407		0.973		\$4,467,121
		06/30/2020	\$2,571,131				1.080		1.321		0.978		\$3,587,481
		06/30/2021	\$3,533,726				1.080		1.240		0.983		\$4,651,916
PD	B/L INDEMNITY	06/30/2018	\$975,883		1.036		1.080		1.591		0.968		\$1,681,616
		06/30/2019	\$1,001,938		1.059		1.080		1.480		0.973		\$1,650,194
		06/30/2020	\$853,679		1.131		1.080		1.376		0.978		\$1,403,260
		06/30/2021	\$920,191		1.285		1.080		1.280		0.983		\$1,606,824
PD	ALAE	06/30/2018	\$442,373				1.080		1.591		0.968		\$735,797
		06/30/2019	\$271,508				1.080		1.480		0.973		\$422,261
		06/30/2020	\$287,743				1.080		1.376		0.978		\$418,202
		06/30/2021	\$575,910				1.080		1.280		0.983		\$782,603
MED PAY #	B/L INDEMNITY	06/30/2018	\$1,040,521				1.080		1.498		0.968		\$1,629,528
		06/30/2019	\$1,054,587				1.080		1.407		0.973		\$1,559,240
		06/30/2020	\$717,892				1.080		1.321		0.978		\$1,001,670
		06/30/2021	\$729,520				1.080		1.240		0.983		\$960,365
FRINGE	B/L INDEMNITY	06/30/2018	\$105,560		1.074		1.080		1.033		0.968		\$122,434
		06/30/2019	\$360,257		1.119		1.080		1.027		0.973		\$435,060
		06/30/2020	\$94,388		1.360		1.080		1.022		0.978		\$138,570
		06/30/2021	\$45,550		1.795		1.080		1.017		0.983		\$88,278
FRINGE	ALAE	06/30/2018	\$361,474				1.080		1.033		0.968		\$390,370
		06/30/2019	\$827,303				1.080		1.027		0.973		\$892,836
		06/30/2020	\$188,054				1.080		1.022		0.978		\$203,000
		06/30/2021	\$88,790				1.080		1.017		0.983		\$95,865
TOTAL													
FULL COVERAGE		06/30/2018											\$20,802,785
		06/30/2019											\$21,279,739
		06/30/2020											\$16,014,077
		06/30/2021											\$18,756,110

\* 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.

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE *	X	\$100,000	X	UNALLOCATED LOSS ADJUSTMENT FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000
					BASIC LIMIT INDEMNITY DEVELOPMENT FACTOR #								BASIC LIMIT DEVELOPED & TRENDED LOSSES AND ALAE
BI	B/L INDEMNITY	06/30/2018	\$551,206		1.002		1.080		1.498		0.968		\$864,953
		06/30/2019	\$465,894		1.069		1.080		1.407		0.973		\$736,369
		06/30/2020	\$33,682		1.317		1.080		1.321		0.978		\$61,894
		06/30/2021	\$269,784		1.839		1.080		1.240		0.983		\$653,126
BI	ALAE	06/30/2018	\$233,711				1.080		1.498		0.968		\$366,007
		06/30/2019	\$206,229				1.080		1.407		0.973		\$304,916
		06/30/2020	\$14,478				1.080		1.321		0.978		\$20,201
		06/30/2021	\$139,163				1.080		1.240		0.983		\$183,199
PD	B/L INDEMNITY	06/30/2018	\$111,366		1.051		1.080		1.591		0.968		\$194,681
		06/30/2019	\$9,038		1.137		1.080		1.480		0.973		\$15,982
		06/30/2020	\$210,138		1.208		1.080		1.376		0.978		\$368,937
		06/30/2021	\$76,800		1.407		1.080		1.280		0.983		\$146,839
PD	ALAE	06/30/2018	\$31,108				1.080		1.591		0.968		\$51,741
		06/30/2019	\$15,294				1.080		1.480		0.973		\$23,786
		06/30/2020	\$93,916				1.080		1.376		0.978		\$136,496
		06/30/2021	\$59,552				1.080		1.280		0.983		\$80,926
MED PAY #	B/L INDEMNITY	06/30/2018	\$38,435				1.080		1.498		0.968		\$60,192
		06/30/2019	\$22,126				1.080		1.407		0.973		\$32,714
		06/30/2020	\$19,747				1.080		1.321		0.978		\$27,553
		06/30/2021	\$9,721				1.080		1.240		0.983		\$12,797
	TOTAL DED COVERAGE	06/30/2018											\$1,537,574
		06/30/2019											\$1,113,767
		06/30/2020											\$615,081
		06/30/2021											\$1,076,887
	TOTAL OCCURRENCE	06/30/2018											\$22,340,361
		06/30/2019											\$22,393,507
		06/30/2020											\$16,629,157
		06/30/2021											\$19,832,999

\* 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.

Tennessee  
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	0.535
34	Mercantile Policy	0.785
35	Institutional Policy	0.678
36	Service Policy	1.025
37	Industrial / Processing Policy	1.180
38	Contractors Policy	0.841

- (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.

Tennessee  
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	0.996
33	Office Policy	1.051
34	Mercantile Policy	0.934
35	Institutional Policy	0.836
36	Service Policy	0.922
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.

## TENNESSEE

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	1.036	0.8343	1.034	17,000,000
27 to 39 Months	1.000	1.001	0.5458	1.001	70,000,000
Accident Year Ending	Exposure Development From 27:15	39:27	ULT:39		Factor
6/30/2019			1.000		1.000
6/30/2020		1.001	1.000		1.001
6/30/2021	1.034	1.001	1.000		1.035

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

## TENNESSEE

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	0.999	0.5221	1.000	90,000,000
27 to 39 Months	1.000	1.000	0.4587	1.000	120,000,000
Accident Year Ending	Exposure Development From <u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		<u>Factor</u>
6/30/2019			1.000		1.000
6/30/2020		1.000	1.000		1.000
6/30/2021	1.000	1.000	1.000		1.000

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



TENNESSEE  
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	24,406,917	25,129,086	25,145,710	25,153,550	25,217,946	25,218,356	25,218,356	25,218,356
6/30/2015	24,760,868	25,631,865	25,632,785	25,647,472	25,646,092	25,646,092	25,645,847	
6/30/2016	24,979,092	26,007,772	26,022,585	26,022,425	26,023,819	26,021,676		
6/30/2017	26,063,924	27,279,485	27,424,762	27,424,936	27,422,217			
6/30/2018	27,239,166	28,144,438	28,139,632	28,138,469				
6/30/2019	27,715,587	28,679,755	28,761,731					
6/30/2020	30,611,716	31,618,193						
6/30/2021	33,034,519							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
6/30/2014	1.030	1.001	1.000	1.003	1.000	1.000	1.000
6/30/2015	1.035	1.000	1.001	1.000	1.000	1.000	
6/30/2016	1.041	1.001	1.000	1.000	1.000		
6/30/2017	1.047	1.005	1.000	1.000			
6/30/2018	1.033	1.000	1.000				
6/30/2019	1.035	1.003					
6/30/2020	1.033						

Average Best 3 of 5  
27:15  
 1.036

39:27  
 1.001

TENNESSEE  
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	29,447,890	29,453,800	29,492,980	29,526,857	29,519,562	29,518,387	29,518,387	29,518,387
6/30/2015	31,829,711	32,061,402	32,044,279	32,048,658	32,047,677	32,047,677	32,047,501	
6/30/2016	33,665,147	33,420,881	33,445,350	33,442,463	33,442,504	33,440,979		
6/30/2017	34,576,083	35,165,764	35,182,266	35,181,828	35,179,690			
6/30/2018	33,827,392	33,919,283	33,909,629	33,909,104				
6/30/2019	32,603,342	32,623,874	32,610,155					
6/30/2020	31,884,975	31,545,878						
6/30/2021	31,020,946							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
6/30/2014	1.000	1.001	1.001	1.000	1.000	1.000	1.000
6/30/2015	1.007	0.999	1.000	1.000	1.000	1.000	
6/30/2016	0.993	1.001	1.000	1.000	1.000		
6/30/2017	1.017	1.000	1.000	1.000			
6/30/2018	1.003	1.000	1.000				
6/30/2019	1.001	1.000					
6/30/2020	0.989						

Average Best 3 of 5  
27:15  
 0.999                      39:27  
                                  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  
27:15      39:27  
 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  
 1.002

39:27  
 1.000

## TENNESSEE

## Premises/Operations

## Manufacturers &amp; 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	1.302	0.7610	1.375	1,300,000
27 to 39 Months	1.317	1.086	0.7569	1.142	1,600,000
39 to 51 Months	1.093	0.984	0.7107	1.016	1,900,000
51 to 63 Months	1.017	1.017	0.6976	1.017	2,300,000
63 to 75 Months	0.999	0.981	0.6403	0.987	2,800,000
75 to 87 Months	0.998	0.991	0.6070	0.994	3,400,000
87 to 99 Months	0.999	1.000	0.5167	1.000	4,000,000
99 to 111 Months	1.000	1.000	0.5100	1.000	4,900,000
111 to 123 Months	0.999	0.995	0.4806	0.997	5,900,000
123 to 135 Months	1.001	1.001	0.4375	1.001	7,100,000
135 to 147 Months	1.000	1.000	0.3672	1.000	8,600,000
147 to 159 Months	1.002	1.000	0.3022	1.001	10,300,000
159 to 171 Months	1.000	1.000	0.2323	1.000	12,500,000
171 to 183 Months	1.000	1.000	0.1645	1.000	15,100,000
183 to 195 Months	1.000	1.000	0.1439	1.000	18,200,000
195 to 207 Months	1.000	1.000	0.1474	1.000	22,000,000
207 to 219 Months	1.000	1.000	0.1432	1.000	26,500,000
219 to 231 Months	1.000	1.000	0.0872	1.000	32,000,000
231 to 243 Months	1.000	1.000	0.0376	1.000	38,600,000
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			1.016	1.017	0.987	0.994	1.000	1.000	0.997	1.001	1.000
6/30/2020		1.142	1.016	1.017	0.987	0.994	1.000	1.000	0.997	1.001	1.000
6/30/2021	1.375	1.142	1.016	1.017	0.987	0.994	1.000	1.000	0.997	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>	<u>ULT:243</u>		<u>Factor</u>
6/30/2019	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.012
6/30/2020	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.156
6/30/2021	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.590

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

## TENNESSEE

## 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	0.1032	0.7610	0.0945	1,300,000
27 to 39 Months	0.0969	0.1113	0.7569	0.1078	1,600,000
39 to 51 Months	0.0810	0.0866	0.7107	0.0850	1,900,000
51 to 63 Months	0.0483	0.0406	0.6976	0.0429	2,300,000
63 to 75 Months	0.0249	-0.0053	0.6403	0.0056	2,800,000
75 to 87 Months	0.0107	0.0133	0.6070	0.0123	3,400,000
87 to 99 Months	0.0043	0.0013	0.5167	0.0027	4,000,000
99 to 111 Months	0.0032	0.0000	0.5100	0.0016	4,900,000
111 to 123 Months	0.0018	0.0000	0.4806	0.0009	5,900,000
123 to 135 Months	0.0014	0.0000	0.4375	0.0008	7,100,000
135 to 147 Months	0.0002	0.0002	0.3672	0.0002	8,600,000
147 to 159 Months	0.0015	0.0000	0.3022	0.0010	10,300,000
159 to 171 Months	0.0005	0.0000	0.2323	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>	<u>87</u>
	0.356	0.261	0.153	0.068	0.026	0.020	0.008
<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	0.003	0.002	0.002	0.001	0.000	0.000

Full coverage

A.Y.E	Reported ALAE as of 9/30/2021	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2019	1,195,335	4,531,163	0.153	695,080	1,890,415
6/30/2020	541,308	3,437,948	0.261	897,992	1,439,300
6/30/2021	238,791	6,006,745	0.356	2,136,599	2,375,390

Deductible Coverage

A.Y.E	Reported ALAE as of 9/30/2021	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2019	19,223	138,426	0.153	21,235	40,458
6/30/2020	38,570	1,063,170	0.261	277,700	316,270
6/30/2021	5,455	31,875	0.356	11,338	16,793

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

## TENNESSEE

## 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	1.057	0.7703	1.073	2,900,000
27 to 39 Months	1.047	1.040	0.7626	1.042	3,000,000
39 to 51 Months	1.021	1.007	0.7468	1.011	3,100,000
51 to 63 Months	1.012	1.005	0.7274	1.007	3,200,000
63 to 75 Months	1.010	0.995	0.7182	0.999	3,300,000
75 to 87 Months	1.006	0.998	0.7067	1.000	3,400,000
87 to 99 Months	1.004	1.001	0.6928	1.002	3,500,000
99 to 111 Months	1.004	0.997	0.6792	0.999	3,700,000
111 to 123 Months	1.003	1.000	0.6682	1.001	3,800,000
123 to 135 Months	1.001	1.000	0.6681	1.000	3,900,000
135 to 147 Months	1.002	1.000	0.6521	1.001	4,000,000
147 to 159 Months	1.001	1.000	0.6439	1.000	4,200,000
159 to 171 Months	1.000	1.000	0.6067	1.000	4,400,000
171 to 183 Months	1.001	1.000	0.5859	1.000	4,500,000
183 to 195 Months	1.001	1.000	0.5962	1.000	4,700,000
195 to 207 Months	1.001	1.000	0.6175	1.000	4,900,000
207 to 219 Months	1.000	1.000	0.6428	1.000	5,100,000
219 to 231 Months	1.000	1.000	0.5402	1.000	5,300,000
231 to 243 Months	1.000	1.000	0.3738	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			1.011	1.007	0.999	1.000	1.002	0.999	1.001	1.000	1.001
6/30/2020		1.042	1.011	1.007	0.999	1.000	1.002	0.999	1.001	1.000	1.001
6/30/2021	1.073	1.042	1.011	1.007	0.999	1.000	1.002	0.999	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		1.022
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.065
6/30/2021	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.142

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

## TENNESSEE

## 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	0.0267	0.7703	0.0312	2,900,000
27 to 39 Months	0.0424	0.0498	0.7626	0.0480	3,000,000
39 to 51 Months	0.0356	0.0495	0.7468	0.0460	3,100,000
51 to 63 Months	0.0328	0.0198	0.7274	0.0233	3,200,000
63 to 75 Months	0.0200	-0.0034	0.7182	0.0032	3,300,000
75 to 87 Months	0.0119	0.0003	0.7067	0.0037	3,400,000
87 to 99 Months	0.0072	0.0023	0.6928	0.0038	3,500,000
99 to 111 Months	0.0075	0.0006	0.6792	0.0028	3,700,000
111 to 123 Months	0.0038	0.0001	0.6682	0.0013	3,800,000
123 to 135 Months	0.0042	0.0000	0.6681	0.0014	3,900,000
135 to 147 Months	0.0050	0.0000	0.6521	0.0017	4,000,000
147 to 159 Months	0.0037	0.0008	0.6439	0.0018	4,200,000
159 to 171 Months	0.0023	0.0021	0.6067	0.0022	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>
	0.170	0.139	0.091	0.045	0.022	0.019	0.015
<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>
	0.011	0.008	0.007	0.006	0.004	0.002	0.000

Full coverage

A.Y.E	Reported ALAE as of 9/30/2021	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2019	772,559	6,327,512	0.091	577,069	1,349,628
6/30/2020	678,511	6,600,857	0.139	918,839	1,597,350
6/30/2021	334,109	3,824,331	0.170	651,666	985,775

Deductible Coverage

A.Y.E	Reported ALAE as of 9/30/2021	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2019	40,055	1,464,996	0.091	133,608	173,663
6/30/2020	74,283	1,026,107	0.139	142,834	217,117
6/30/2021	6,530	1,040,551	0.170	177,310	183,840

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



## TENNESSEE

## Premises/Operations

## Manufacturers &amp; 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 9/30/2021	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2019	5,410	102,041	0.372	37,949	43,359
6/30/2020	5,807	19,945	0.484	9,649	15,456
6/30/2021	7,149	580,829	0.608	352,854	360,003

(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  
TENNESSEE  
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	732,946	1,255,109	1,439,263	1,626,647	1,569,828	1,621,537	1,532,318	1,548,587	1,508,587	1,508,587	1,508,587
6/30/2003	774,967	1,604,089	1,615,513	1,598,344	1,623,100	1,541,800	1,546,800	1,546,800	1,546,800	1,546,800	1,546,800
6/30/2004	1,247,510	1,889,367	2,038,825	1,557,966	1,481,069	1,473,248	1,373,048	1,373,048	1,373,048	1,373,048	1,373,048
6/30/2005	1,088,208	1,205,640	861,197	1,025,130	875,664	846,734	841,339	893,179	918,179	907,510	907,510
6/30/2006	746,750	932,663	873,894	934,951	906,960	803,077	803,077	803,077	803,077	803,077	803,077
6/30/2007	1,290,548	1,302,936	1,295,274	1,382,929	1,305,185	1,305,185	1,286,685	1,286,685	1,286,685	1,286,685	1,289,685
6/30/2008	1,213,169	2,169,101	2,138,317	1,996,703	1,707,647	1,734,363	1,734,363	1,689,363	1,689,363	1,689,363	1,692,550
6/30/2009	1,178,207	1,827,786	1,805,232	1,713,725	1,537,704	1,472,786	1,472,786	1,476,486	1,476,486	1,480,486	1,480,486
6/30/2010	1,191,433	1,692,523	1,745,485	1,458,603	1,673,190	1,760,140	1,791,268	1,848,218	1,848,218	1,848,218	1,818,118
6/30/2011	1,158,812	2,113,931	2,071,880	2,252,271	2,179,704	2,265,874	2,222,562	2,222,561	2,222,561	2,192,461	2,192,461
6/30/2012	1,287,028	1,888,820	1,724,177	1,588,310	1,379,460	1,389,190	1,389,190	1,389,190	1,388,695	1,362,460	
6/30/2013	955,127	1,268,227	1,353,773	1,406,914	1,482,314	1,491,445	1,516,445	1,488,835	1,488,835		
6/30/2014	1,083,575	1,572,493	1,661,766	1,440,935	1,338,726	1,381,226	1,371,226	1,371,226			
6/30/2015	1,048,124	2,206,999	2,391,478	2,471,743	2,642,887	2,379,568	2,241,568				
6/30/2016	1,046,655	1,335,064	1,451,051	1,169,463	1,003,310	933,310					
6/30/2017	700,546	1,406,717	1,529,737	1,665,231	1,794,724						
6/30/2018	1,399,675	1,849,465	1,687,360	1,773,135							
6/30/2019	1,317,886	1,726,634	1,882,078								
6/30/2020	1,421,894	1,680,641									
6/30/2021	1,863,691										

<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	1,508,587	1,508,587	1,508,587	1,508,587	1,508,587	1,508,587	1,508,587	1,508,587	1,508,587
6/30/2003	1,546,800	1,546,800	1,546,800	1,546,800	1,546,800	1,546,800	1,546,800	1,546,800	
6/30/2004	1,373,048	1,373,048	1,373,048	1,373,048	1,373,048	1,373,048	1,373,048		
6/30/2005	882,510	882,510	882,510	882,510	882,510	882,510			
6/30/2006	803,077	803,077	803,077	803,077	803,077				
6/30/2007	1,286,685	1,286,685	1,286,685	1,286,685					
6/30/2008	1,692,550	1,692,550	1,692,550						
6/30/2009	1,480,486	1,480,486							
6/30/2010	1,818,118								

Premises / Operations (Subline Code 334)  
Manufacturers and Contractors  
Full Coverage  
TENNESSEE  
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
6/30/2002	1.712	1.147	1.130	0.965	1.033	0.945	1.011	0.974	1.000	1.000	1.000
6/30/2003	2.070	1.007	0.989	1.015	0.950	1.003	1.000	1.000	1.000	1.000	1.000
6/30/2004	1.515	1.079	0.764	0.951	0.995	0.932	1.000	1.000	1.000	1.000	1.000
6/30/2005	1.108	0.714	1.190	0.854	0.967	0.994	1.062	1.028	0.988	1.000	0.972
6/30/2006	1.249	0.937	1.070	0.970	0.885	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2007	1.010	0.994	1.068	0.944	1.000	0.986	1.000	1.000	1.000	1.002	0.998
6/30/2008	1.788	0.986	0.934	0.855	1.016	1.000	0.974	1.000	1.000	1.002	1.000
6/30/2009	1.551	0.988	0.949	0.897	0.958	1.000	1.003	1.000	1.003	1.000	1.000
6/30/2010	1.421	1.031	0.836	1.147	1.052	1.018	1.032	1.000	1.000	0.984	1.000
6/30/2011	1.824	0.980	1.087	0.968	1.040	0.981	1.000	1.000	0.986	1.000	
6/30/2012	1.468	0.913	0.921	0.869	1.007	1.000	1.000	1.000	0.981		
6/30/2013	1.328	1.067	1.039	1.054	1.006	1.017	0.982	1.000			
6/30/2014	1.451	1.057	0.867	0.929	1.032	0.993	1.000				
6/30/2015	2.106	1.084	1.034	1.069	0.900	0.942					
6/30/2016	1.276	1.087	0.806	0.858	0.930						
6/30/2017	2.008	1.087	1.089	1.078							
6/30/2018	1.321	0.912	1.051								
6/30/2019	1.310	1.090									
6/30/2020	1.182										
3 Yr Mean	1.271	1.030	0.982	1.002	0.954	0.984	0.994	1.000	0.989	0.995	1.000
Best 3/5	1.302	1.086	0.984	1.017	0.981	0.991	1.000	1.000	0.995	1.001	1.000
A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2002	1.000	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	1.000	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			
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					0.981	0.991	1.000	1.000	0.995	1.001	1.000
6/30/2018				1.017	0.981	0.991	1.000	1.000	0.995	1.001	1.000
6/30/2019			0.984	1.017	0.981	0.991	1.000	1.000	0.995	1.001	1.000
6/30/2020		1.086	0.984	1.017	0.981	0.991	1.000	1.000	0.995	1.001	1.000
6/30/2021	1.302	1.086	0.984	1.017	0.981	0.991	1.000	1.000	0.995	1.001	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	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.968	
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.985	
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.969	
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.052	
6/30/2021	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.370	

**Bold - Calculated Using Modified Bondy Method**

*Italics - Three year mean Excludes Modified Bondy ratios*

Premises / Operations (Subline Code 334)  
 Manufacturers and Contractors  
 Full Coverage  
 TENNESSEE  
 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	80,752	321,588	824,530	858,985	1,000,563	1,099,546	1,135,970	1,161,713	1,148,821	1,148,821	1,148,821
6/30/2003	80,408	392,232	783,997	944,973	1,019,107	1,077,425	1,093,406	1,090,997	1,091,036	1,133,624	1,133,624
6/30/2004	286,114	496,209	697,123	789,914	868,107	868,533	874,081	874,081	874,081	874,081	874,081
6/30/2005	120,447	360,923	335,980	463,639	516,468	545,266	586,451	586,669	607,550	607,735	594,203
6/30/2006	39,563	166,945	282,948	394,957	555,747	550,084	550,084	550,084	550,084	550,084	550,084
6/30/2007	209,736	341,709	411,433	543,747	547,807	554,492	555,485	555,485	555,485	555,485	555,485
6/30/2008	117,046	314,053	566,330	739,980	946,537	993,807	1,031,871	1,035,110	1,067,469	1,117,954	1,127,352
6/30/2009	92,668	328,239	604,982	767,315	773,547	778,619	778,619	778,619	778,619	778,619	778,619
6/30/2010	130,171	471,262	883,445	1,240,839	1,485,627	1,587,170	1,750,440	1,758,656	1,758,656	1,758,656	1,751,211
6/30/2011	123,306	406,766	648,842	903,223	1,082,893	1,764,761	2,078,343	1,727,501	1,727,501	1,726,983	1,726,983
6/30/2012	427,915	869,940	1,191,067	1,387,620	1,425,237	1,485,677	1,491,954	1,491,954	1,492,449	1,492,449	
6/30/2013	158,930	321,427	930,491	1,351,378	1,285,227	1,236,267	1,243,042	1,246,950	1,246,950		
6/30/2014	170,617	418,538	604,056	926,049	1,719,758	1,698,220	1,790,019	1,883,425			
6/30/2015	167,325	526,706	975,068	1,388,548	1,633,336	1,631,597	1,633,824				
6/30/2016	101,738	288,969	507,266	641,374	551,497	540,725					
6/30/2017	180,566	501,133	761,175	996,539	1,286,664						
6/30/2018	270,214	584,305	708,988	759,402							
6/30/2019	256,687	610,068	1,138,341								
6/30/2020	281,442	520,274									
6/30/2021	213,637										

<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	1,148,821	1,148,821	1,148,821	1,148,821	1,148,821	1,148,821	1,148,821	1,148,821	1,148,821
6/30/2003	1,133,624	1,133,624	1,133,624	1,133,624	1,133,624	1,133,624	1,133,624	1,133,624	
6/30/2004	874,081	874,081	874,081	874,081	874,081	874,081	874,081		
6/30/2005	594,203	594,203	594,203	594,203	594,203	594,203			
6/30/2006	550,084	550,084	550,084	550,084	550,084				
6/30/2007	556,701	556,792	556,792	556,792					
6/30/2008	1,129,700	1,129,700	1,129,700						
6/30/2009	778,619	778,619							
6/30/2010	1,751,211								

Premises / Operations (Subline Code 334)  
Manufacturers and Contractors  
Full Coverage  
TENNESSEE  
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
6/30/2002	240,836	502,942	34,455	141,578	98,983	36,424	25,743	-12,892	0	0	0	0	0
6/30/2003	311,824	391,765	160,976	74,134	58,318	15,981	-2,409	39	42,588	0	0	0	0
6/30/2004	210,095	200,914	92,791	78,193	426	5,548	0	0	0	0	0	0	0
6/30/2005	240,476	-24,943	127,659	52,829	28,798	41,185	218	20,881	185	-13,532	0	0	0
6/30/2006	127,382	116,003	112,009	160,790	-5,663	0	0	0	0	0	0	0	0
6/30/2007	131,973	69,724	132,314	4,060	6,685	993	0	0	0	0	1,216	91	0
6/30/2008	197,007	252,277	173,650	206,557	47,270	38,064	3,239	32,359	50,485	9,398	2,348	0	0
6/30/2009	235,571	276,743	162,333	6,232	5,072	0	0	0	0	0	0	0	0
6/30/2010	341,091	412,183	357,394	244,788	101,543	163,270	8,216	0	0	-7,445	0	0	0
6/30/2011	283,460	242,076	254,381	179,670	681,868	313,582	-350,842	0	-518	0	0	0	0
6/30/2012	442,025	321,127	196,553	37,617	60,440	6,277	0	495	0	0	0	0	0
6/30/2013	162,497	609,064	420,887	-66,151	-48,960	6,775	3,908	0	0	0	0	0	0
6/30/2014	247,921	185,518	321,993	793,709	-21,538	91,799	93,406	0	0	0	0	0	0
6/30/2015	359,381	448,362	413,480	244,788	-1,739	2,227	0	0	0	0	0	0	0
6/30/2016	187,231	218,297	134,108	-89,877	-10,772	0	0	0	0	0	0	0	0
6/30/2017	320,567	260,042	235,364	290,125	0	0	0	0	0	0	0	0	0
6/30/2018	314,091	124,683	50,414	0	0	0	0	0	0	0	0	0	0
6/30/2019	353,381	528,273	0	0	0	0	0	0	0	0	0	0	0
6/30/2020	238,832	0	0	0	0	0	0	0	0	0	0	0	0

	Incremental Percentages													
<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>	<u>159:147</u>	<u>171:159</u>	
6/30/2002	0.1039	0.2170	0.0149	0.0611	0.0427	0.0157	0.0111	-0.0056	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2003	0.0944	0.1186	0.0487	0.0224	0.0177	0.0048	-0.0007	0.0000	0.0129	0.0000	0.0000	0.0000	0.0000	
6/30/2004	0.0910	0.0870	0.0402	0.0339	0.0002	0.0024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2005	0.2332	-0.0242	0.1238	0.0512	0.0279	0.0399	0.0002	0.0202	0.0002	-0.0131	0.0000	0.0000	0.0000	
6/30/2006	0.0920	0.0838	0.0809	0.1161	-0.0041	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2007	0.0556	0.0294	0.0557	0.0017	0.0028	0.0004	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000	0.0000	
6/30/2008	0.0688	0.0881	0.0606	0.0721	0.0165	0.0133	0.0011	0.0113	0.0176	0.0033	0.0008	0.0000	0.0000	
6/30/2009	0.1045	0.1228	0.0720	0.0028	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2010	0.0949	0.1147	0.0994	0.0681	0.0283	0.0454	0.0023	0.0000	0.0000	-0.0021	0.0000			
6/30/2011	0.0740	0.0632	0.0664	0.0469	0.1780	0.0819	-0.0916	0.0000	-0.0001	0.0000				
6/30/2012	0.1990	0.1445	0.0885	0.0169	0.0272	0.0028	0.0000	0.0002	0.0000					
6/30/2013	0.0629	0.2358	0.1630	-0.0256	-0.0190	0.0026	0.0015	0.0000						
6/30/2014	0.0932	0.0697	0.1210	0.2982	-0.0081	0.0345	0.0351							
6/30/2015	0.0793	0.0990	0.0913	0.0540	-0.0004	0.0005								
6/30/2016	0.1296	0.1511	0.0928	-0.0622	-0.0075									
6/30/2017	0.1032	0.0837	0.0758	0.0934										
6/30/2018	0.1045	0.0415	0.0168											
6/30/2019	0.1020	0.1525												
6/30/2020	0.0583													

Best 3/5	0.1032	0.1113	0.0866	0.0406	-0.0053	0.0133	0.0013	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000
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Premises / Operations (Subline Code 334)  
Manufacturers and Contractors  
Full Coverage  
TENNESSEE  
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>
6/30/2002	2,557,592	2,916,724	2,921,617	2,965,816	3,080,033	3,249,295	3,229,295	3,253,078	3,197,378	3,197,453	3,297,453
6/30/2003	2,377,078	2,849,452	2,718,446	3,005,564	3,050,299	3,036,912	3,030,486	2,944,818	2,944,346	2,968,163	2,968,163
6/30/2004	2,881,994	3,100,704	3,213,211	3,097,417	3,128,860	2,964,779	2,972,429	2,953,780	2,953,780	2,953,780	2,953,780
6/30/2005	1,898,071	1,915,632	2,054,311	1,842,155	2,053,005	1,998,233	1,999,233	2,008,802	2,013,804	2,013,803	2,013,845
6/30/2006	2,301,705	2,266,047	2,095,309	1,949,308	1,975,318	1,969,318	1,973,603	1,971,105	1,971,104	1,971,104	1,971,104
6/30/2007	2,531,438	2,460,142	2,436,104	2,293,662	2,293,362	2,267,597	2,355,092	2,361,973	2,361,873	2,361,873	2,361,876
6/30/2008	2,514,790	2,540,338	2,619,317	2,455,389	2,436,918	2,467,321	2,483,661	2,452,802	2,453,814	2,453,816	2,453,814
6/30/2009	2,650,884	2,755,826	2,682,733	2,721,157	2,769,565	2,807,907	2,821,307	2,820,796	2,799,135	2,777,154	2,777,154
6/30/2010	2,359,059	2,313,521	2,169,354	2,174,165	2,259,915	2,266,565	2,282,088	2,306,294	2,268,496	2,267,137	2,267,137
6/30/2011	2,672,329	2,685,916	2,789,645	2,804,551	2,795,476	2,790,976	2,790,976	2,805,976	2,806,476	2,805,976	2,805,976
6/30/2012	2,534,809	2,533,791	2,456,204	2,568,480	2,613,362	2,577,828	2,576,495	2,576,495	2,576,495	2,576,495	
6/30/2013	2,402,197	2,511,118	2,408,182	2,474,446	2,500,346	2,471,445	2,458,945	2,451,445	2,451,445		
6/30/2014	2,380,155	2,707,848	2,852,526	2,919,503	2,964,611	2,954,611	2,859,611	2,854,611			
6/30/2015	2,075,563	2,539,291	2,555,129	2,729,884	2,770,953	2,768,104					
6/30/2016	2,374,919	2,594,116	2,770,879	2,709,213	2,673,043	2,708,043					
6/30/2017	2,869,428	2,992,371	3,098,093	3,100,371	3,071,879						
6/30/2018	2,656,674	3,221,894	3,272,786	3,264,665							
6/30/2019	3,302,803	3,423,831	3,729,304								
6/30/2020	3,767,201	3,763,516									
6/30/2021	2,900,936										

  

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>
6/30/2002	3,282,453	3,282,453	3,282,453	3,282,453	3,282,453	3,282,453	3,282,453	3,282,453	3,192,530
6/30/2003	2,968,163	2,968,163	2,943,163	2,943,163	2,943,163	2,943,163	2,943,163	2,943,163	
6/30/2004	2,953,780	2,953,780	2,953,780	2,953,780	2,953,780	2,953,780	2,953,780		
6/30/2005	2,033,845	2,033,845	2,033,845	2,013,845	2,013,845	2,013,845			
6/30/2006	1,971,104	1,971,104	1,971,104	1,971,104	1,971,104				
6/30/2007	2,361,873	2,361,873	2,361,873	2,361,873					
6/30/2008	2,453,814	2,453,814	2,453,814						
6/30/2009	2,777,154	2,777,154							
6/30/2010	2,267,137								

Premises / Operations (Subline Code 334)  
Manufacturers and Contractors  
Full Coverage  
TENNESSEE  
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	1.140	1.002	1.015	1.039	1.055	0.994	1.007	0.983	1.000	1.031	0.995
6/30/2003	1.199	0.954	1.106	1.015	0.996	0.998	0.972	1.000	1.008	1.000	1.000
6/30/2004	1.076	1.036	0.964	1.010	0.948	1.003	0.994	1.000	1.000	1.000	1.000
6/30/2005	1.009	1.072	0.897	1.114	0.973	1.001	1.005	1.002	1.000	1.000	1.010
6/30/2006	0.985	0.925	0.930	1.013	0.997	1.002	0.999	1.000	1.000	1.000	1.000
6/30/2007	0.972	0.990	0.942	1.000	0.989	1.039	1.003	1.000	1.000	1.000	1.000
6/30/2008	1.010	1.031	0.937	0.992	1.012	1.007	0.988	1.000	1.000	1.000	1.000
6/30/2009	1.040	0.973	1.014	1.018	1.014	1.005	1.000	0.992	0.992	1.000	1.000
6/30/2010	0.981	0.938	1.002	1.039	1.003	1.007	1.011	0.984	0.999	1.000	1.000
6/30/2011	1.005	1.039	1.005	0.997	0.998	1.000	1.005	1.000	1.000	1.000	
6/30/2012	1.000	0.969	1.046	1.017	0.986	0.999	1.000	1.000	1.000		
6/30/2013	1.045	0.959	1.028	1.010	0.988	0.995	0.997	1.000			
6/30/2014	1.138	1.053	1.023	1.015	0.997	0.968	0.998				
6/30/2015	1.223	1.006	1.068	1.015	0.999	1.000					
6/30/2016	1.092	1.068	0.978	0.987	1.013						
6/30/2017	1.043	1.035	1.001	0.991							
6/30/2018	1.213	1.016	0.998								
6/30/2019	1.037	1.089									
6/30/2020	0.999										
3 Yr Mean	1.083	1.047	0.992	0.998	1.003	0.988	0.998	1.000	1.000	1.000	1.000
Best 3/5	1.057	1.040	1.007	1.005	0.995	0.998	1.001	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>			
6/30/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.973			
6/30/2003	1.000	0.992	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>			
6/30/2004	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>			
6/30/2005	1.000	1.000	0.990	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
6/30/2006	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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	0.997	1.000	1.000	1.000	1.000	0.973			
Best 3/5	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
	<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					0.995	0.998	1.001	0.997	1.000	1.000	1.000
6/30/2018				1.005	0.995	0.998	1.001	0.997	1.000	1.000	1.000
6/30/2019			1.007	1.005	0.995	0.998	1.001	0.997	1.000	1.000	1.000
6/30/2020		1.040	1.007	1.005	0.995	0.998	1.001	0.997	1.000	1.000	1.000
6/30/2021	1.057	1.040	1.007	1.005	0.995	0.998	1.001	0.997	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/U1t</u>		<u>FACTORS</u>
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		0.991
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		0.996
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		1.003
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		1.043
6/30/2021	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		1.103

**Bold - Calculated Using Modified Bondy Method**

*Italics - Three year mean Excludes Modified Bondy ratios*

Premises / Operations (Subline Code 334)  
 Manufacturers and Contractors  
 Full Coverage  
 TENNESSEE  
 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	277,595	350,825	429,554	564,272	655,813	783,423	931,551	946,231	1,005,332	1,025,761	1,115,099
6/30/2003	170,758	285,461	435,952	615,374	1,151,252	1,154,026	1,157,004	1,163,783	1,165,530	1,165,652	1,179,448
6/30/2004	184,492	330,376	453,324	492,911	550,446	586,320	592,418	603,901	606,453	607,641	607,641
6/30/2005	176,127	256,169	341,870	489,292	555,509	569,360	561,859	575,247	577,497	576,626	576,626
6/30/2006	153,845	260,809	324,590	344,665	339,169	341,624	350,790	350,790	347,964	347,964	347,964
6/30/2007	109,253	165,092	233,787	314,085	415,827	451,156	453,215	484,464	483,430	483,430	483,388
6/30/2008	327,246	701,800	895,476	797,450	916,658	937,073	992,998	995,729	1,001,892	1,005,120	1,022,574
6/30/2009	133,343	244,097	307,833	409,581	642,403	656,774	649,900	651,702	655,073	655,073	655,073
6/30/2010	148,261	216,536	291,601	316,993	339,680	369,380	403,848	426,025	480,941	481,776	481,776
6/30/2011	112,852	154,334	175,830	245,546	244,342	267,814	270,420	270,420	270,895	270,795	270,795
6/30/2012	202,274	299,187	514,660	591,156	638,239	669,306	669,238	669,238	669,238	669,238	
6/30/2013	242,149	420,276	480,675	849,049	899,597	473,822	507,015	551,673	553,570		
6/30/2014	167,569	302,348	403,152	588,576	738,329	713,368	698,063	689,990			
6/30/2015	163,305	247,759	533,171	657,511	746,483	701,396	701,938				
6/30/2016	1,316,920	243,031	371,941	393,002	413,828	511,164					
6/30/2017	196,759	555,942	731,147	937,484	992,367						
6/30/2018	210,938	398,923	630,945	1,042,699							
6/30/2019	409,051	536,351	693,469								
6/30/2020	582,872	623,223									
6/30/2021	331,978										

<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	1,135,252	1,140,014	1,152,234	1,169,302	1,175,100	1,189,130	1,210,741	1,234,943	1237430
6/30/2003	1,180,489	1,180,927	1,181,038	1,181,038	1,181,038	1,181,038	1,181,038	1181038	
6/30/2004	607,641	607,641	607,641	607,641	607,641	607,641	607641		
6/30/2005	657,277	733,096	947,921	768,634	768,634	768634			
6/30/2006	347,964	347,964	347,964	347,964	347964				
6/30/2007	483,388	483,388	483,388	483388					
6/30/2008	1,026,018	1,034,721	1057023						
6/30/2009	655,073	655073							
6/30/2010	481,776								



Premises / Operations (Subline Code 334)  
Manufacturers and Contractors  
Full Coverage  
TENNESSEE  
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
6/30/2002	73,230	78,729	134,718	91,541	127,610	148,128	14,680	59,101	20,429	89,338	20,153	4,762	12,220
6/30/2003	114,703	150,491	179,422	535,878	2,774	2,978	6,779	1,747	122	13,796	1,041	438	111
6/30/2004	145,884	122,948	39,587	57,535	35,874	6,098	11,483	2,552	1,188	0	0	0	0
6/30/2005	80,042	85,701	147,422	66,217	13,851	-7,501	13,388	2,250	-871	0	80,651	75,819	214,825
6/30/2006	106,964	63,781	20,075	-5,496	2,455	9,166	0	-2,826	0	0	0	0	0
6/30/2007	55,839	68,695	80,298	101,742	35,329	2,059	31,249	-1,034	0	-42	0	0	0
6/30/2008	374,554	193,676	-98,026	119,208	20,415	55,925	2,731	6,163	3,228	17,454	3,444	8,703	22,302
6/30/2009	110,754	63,736	101,748	232,822	14,371	-6,874	1,802	3,371	0	0	0	0	
6/30/2010	68,275	75,065	25,392	22,687	29,700	34,468	22,177	54,916	835	0	0		
6/30/2011	41,482	21,496	69,716	-1,204	23,472	2,606	0	475	-100	0			
6/30/2012	96,913	215,473	76,496	47,083	31,067	-68	0	0	0				
6/30/2013	178,127	60,399	368,374	50,548	-425,775	33,193	44,658	1,897					
6/30/2014	134,779	100,804	185,424	149,753	-24,961	-15,305	-8,073						
6/30/2015	84,454	285,412	124,340	88,972	-45,087	542							
6/30/2016	-1,073,889	128,910	21,061	20,826	97,336								
6/30/2017	359,183	175,205	206,337	54,883									
6/30/2018	187,985	232,022	411,754										
6/30/2019	127,300	157,118											
6/30/2020	40,351												

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	0.0175	0.0188	0.0322	0.0219	0.0305	0.0354	0.0035	0.0141	0.0049	0.0213	0.0048	0.0011	0.0029
6/30/2003	0.0296	0.0388	0.0463	0.1382	0.0007	0.0008	0.0017	0.0005	0.0000	0.0036	0.0003	0.0001	0.0000
6/30/2004	0.0437	0.0368	0.0118	0.0172	0.0107	0.0018	0.0034	0.0008	0.0004	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0331	0.0354	0.0609	0.0273	0.0057	-0.0031	0.0055	0.0009	-0.0004	0.0000	0.0333	0.0313	0.0887
6/30/2006	0.0540	0.0322	0.0101	-0.0028	0.0012	0.0046	0.0000	-0.0014	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2007	0.0176	0.0216	0.0253	0.0320	0.0111	0.0006	0.0098	-0.0003	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2008	0.1035	0.0535	-0.0271	0.0329	0.0056	0.0154	0.0008	0.0017	0.0009	0.0048	0.0010	0.0024	0.0062
6/30/2009	0.0327	0.0188	0.0300	0.0687	0.0042	-0.0020	0.0005	0.0010	0.0000	0.0000	0.0000	0.0000	
6/30/2010	0.0216	0.0238	0.0080	0.0072	0.0094	0.0109	0.0070	0.0174	0.0003	0.0000	0.0000		
6/30/2011	0.0129	0.0067	0.0217	-0.0004	0.0073	0.0008	0.0000	0.0001	0.0000	0.0000			
6/30/2012	0.0337	0.0750	0.0266	0.0164	0.0108	0.0000	0.0000	0.0000	0.0000				
6/30/2013	0.0694	0.0235	0.1435	0.0197	-0.1659	0.0129	0.0174	0.0007					
6/30/2014	0.0436	0.0326	0.0600	0.0485	-0.0081	-0.0050	-0.0026						
6/30/2015	0.0242	0.0817	0.0356	0.0255	-0.0129	0.0002							
6/30/2016	-0.3743	0.0449	0.0073	0.0073	0.0339								
6/30/2017	0.0921	0.0449	0.0529	0.0141									
6/30/2018	0.0483	0.0596	0.1058										
6/30/2019	0.0242	0.0298											
6/30/2020	0.0076												

Best 3/5	0.0267	0.0498	0.0495	0.0198	-0.0034	0.0003	0.0023	0.0006	0.0001	0.0000	0.0000	0.0008	0.0021
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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										
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	1.720	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
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>			
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	<b>1.000</b>			
6/30/2004	1.000	1.001	1.000	1.001	1.000	1.000	<b>1.000</b>	<b>1.000</b>			
6/30/2005	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
6/30/2006	1.004	1.000	1.001	0.999	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
A.Y.E.	<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				1.017	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
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/U1t</u>	FACTORS	
6/30/2017	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		0.998
6/30/2018	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		1.015
6/30/2019	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		1.109
6/30/2020	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		1.461
6/30/2021	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		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											
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	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
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>			
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	<b>1.000</b>			
6/30/2004	1.005	0.995	1.002	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>			
6/30/2005	0.998	1.005	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
6/30/2006	0.997	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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					1.003	0.996	0.994	1.004	0.998	0.998	1.001
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
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/U1t</u>	<b>FACTORS</b>	
6/30/2017	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	0.993	
6/30/2018	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	1.002	
6/30/2019	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	1.142	
6/30/2020	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	1.567	
6/30/2021	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	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

	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
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												

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	0.0595	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

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											
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	1.145	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	<b>1.000</b>			
6/30/2004	1.000	1.003	1.001	1.000	1.003	1.000	<b>1.000</b>	<b>1.000</b>			
6/30/2005	1.003	1.000	1.000	0.999	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
6/30/2006	1.007	1.000	0.999	1.002	<b>1.001</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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	<b>1.001</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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					1.010	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
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>
6/30/2017	1.001	1.000	1.001	1.001	1.001	1.000	1.000	1.000	<b>1.000</b>		1.034
6/30/2018	1.001	1.000	1.001	1.001	1.001	1.000	1.000	1.000	<b>1.000</b>		1.047
6/30/2019	1.001	1.000	1.001	1.001	1.001	1.000	1.000	1.000	<b>1.000</b>		1.069
6/30/2020	1.001	1.000	1.001	1.001	1.001	1.000	1.000	1.000	<b>1.000</b>		1.119
6/30/2021	1.001	1.000	1.001	1.001	1.001	1.000	1.000	1.000	<b>1.000</b>		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											
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	1.241	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	0.998		
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
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>			
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	<b>1.000</b>			
6/30/2004	0.999	1.001	0.999	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>			
6/30/2005	1.003	1.003	0.995	0.999	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
6/30/2006	0.997	1.000	1.001	0.999	<b>0.999</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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					1.005	1.005	1.005	1.003	1.002	1.001	1.003
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
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/U1t</u>	<b>FACTORS</b>	
6/30/2017	1.002	1.001	1.000	0.999	1.000	1.000	1.000	1.000	<b>1.000</b>	1.026	
6/30/2018	1.002	1.001	1.000	0.999	1.000	1.000	1.000	1.000	<b>1.000</b>	1.039	
6/30/2019	1.002	1.001	1.000	0.999	1.000	1.000	1.000	1.000	<b>1.000</b>	1.056	
6/30/2020	1.002	1.001	1.000	0.999	1.000	1.000	1.000	1.000	<b>1.000</b>	1.121	
6/30/2021	1.002	1.001	1.000	0.999	1.000	1.000	1.000	1.000	<b>1.000</b>	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												
<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>	<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												
<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>	<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  
Multistate  
Fringe Coverage - 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	1.377	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	<b>1.001</b>			
6/30/2004	1.001	0.999	1.000	1.000	1.011	1.001	<b>1.002</b>	<b>1.001</b>			
6/30/2005	0.997	1.000	1.000	1.001	1.004	<b>1.002</b>	<b>1.002</b>	<b>1.001</b>			
6/30/2006	0.996	1.004	1.007	0.996	<b>1.000</b>	<b>1.002</b>	<b>1.002</b>	<b>1.001</b>			
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	<b>1.002</b>	<b>1.002</b>	<b>1.002</b>	<b>1.001</b>			
	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					1.007	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>243/244</u>		<b>FACTORS</b>
6/30/2017	0.999	1.001	1.000	1.000	1.002	1.002	1.002	1.001	<b>1.005</b>		1.028
6/30/2018	0.999	1.001	1.000	1.000	1.002	1.002	1.002	1.001	<b>1.005</b>		1.054
6/30/2019	0.999	1.001	1.000	1.000	1.002	1.002	1.002	1.001	<b>1.005</b>		1.106
6/30/2020	0.999	1.001	1.000	1.000	1.002	1.002	1.002	1.001	<b>1.005</b>		1.212
6/30/2021	0.999	1.001	1.000	1.000	1.002	1.002	1.002	1.001	<b>1.005</b>		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.	<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	0.0921	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

## TENNESSEE

## 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	1.332	0.8894	1.342	1,800,000
27 to 39 Months	1.202	1.017	0.9017	1.035	2,200,000
39 to 51 Months	1.070	0.956	0.8820	0.969	2,700,000
51 to 63 Months	1.008	0.986	0.8527	0.989	3,300,000
63 to 75 Months	0.998	0.998	0.8163	0.998	4,000,000
75 to 87 Months	0.996	0.998	0.7769	0.998	4,900,000
87 to 99 Months	0.997	0.991	0.7285	0.993	6,000,000
99 to 111 Months	0.999	0.998	0.7113	0.998	7,300,000
111 to 123 Months	0.999	1.000	0.6681	1.000	9,000,000
123 to 135 Months	1.000	1.000	0.6310	1.000	11,000,000
135 to 147 Months	1.000	1.000	0.5636	1.000	13,400,000
147 to 159 Months	1.000	1.000	0.4989	1.000	16,400,000
159 to 171 Months	1.001	1.000	0.4083	1.001	20,100,000
171 to 183 Months	1.001	1.000	0.3430	1.001	24,700,000
183 to 195 Months	1.000	1.000	0.2932	1.000	30,300,000
195 to 207 Months	1.000	1.000	0.2702	1.000	37,200,000
207 to 219 Months	1.000	1.000	0.2249	1.000	45,700,000
219 to 231 Months	1.001	1.000	0.1375	1.001	56,300,000
231 to 243 Months	1.000	1.000	0.0576	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			0.969	0.989	0.998	0.998	0.993	0.998	1.000	1.000	1.000
6/30/2020		1.035	0.969	0.989	0.998	0.998	0.993	0.998	1.000	1.000	1.000
6/30/2021	1.342	1.035	0.969	0.989	0.998	0.998	0.993	0.998	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		0.948
6/30/2020	1.000	1.001	1.001	1.000	1.000	1.000	1.001	1.000	1.000		0.981
6/30/2021	1.000	1.001	1.001	1.000	1.000	1.000	1.001	1.000	1.000		1.317

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

## TENNESSEE

## 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	0.0972	0.8894	0.0929	1,800,000
27 to 39 Months	0.0749	0.0882	0.9017	0.0869	2,200,000
39 to 51 Months	0.0548	0.0279	0.8820	0.0311	2,700,000
51 to 63 Months	0.0276	0.0104	0.8527	0.0129	3,300,000
63 to 75 Months	0.0132	0.0031	0.8163	0.0050	4,000,000
75 to 87 Months	0.0058	0.0049	0.7769	0.0051	4,900,000
87 to 99 Months	0.0025	0.0007	0.7285	0.0012	6,000,000
99 to 111 Months	0.0017	0.0023	0.7113	0.0021	7,300,000
111 to 123 Months	0.0015	0.0001	0.6681	0.0006	9,000,000
123 to 135 Months	0.0012	0.0000	0.6310	0.0004	11,000,000
135 to 147 Months	0.0010	0.0000	0.5636	0.0004	13,400,000
147 to 159 Months	0.0007	0.0000	0.4989	0.0004	16,400,000
159 to 171 Months	0.0007	0.0000	0.4083	0.0004	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>
	0.239	0.147	0.060	0.029	0.016	0.011	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>
	0.004	0.002	0.002	0.001	0.001	0.000	0.000

Full coverage

A.Y.E	Reported ALAE as of 9/30/2021	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2019	2,333,020	11,548,693	0.060	688,302	3,021,322
6/30/2020	1,218,954	9,229,875	0.147	1,352,177	2,571,131
6/30/2021	781,444	11,496,585	0.239	2,752,282	3,533,726

Deductible Coverage

A.Y.E	Reported ALAE as of 9/30/2021	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2019	175,768	511,084	0.060	30,461	206,229
6/30/2020	7,979	44,360	0.147	6,499	14,478
6/30/2021	20,389	496,134	0.239	118,774	139,163

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

## TENNESSEE

## 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	1.127	0.5434	1.136	1,400,000
27 to 39 Months	1.073	1.064	0.5593	1.068	1,600,000
39 to 51 Months	1.040	1.007	0.5381	1.022	1,800,000
51 to 63 Months	1.019	0.999	0.5180	1.009	2,000,000
63 to 75 Months	1.002	0.998	0.4359	1.000	2,300,000
75 to 87 Months	1.011	1.000	0.3993	1.007	2,700,000
87 to 99 Months	1.002	1.000	0.3526	1.001	3,000,000
99 to 111 Months	1.005	1.000	0.3694	1.003	3,500,000
111 to 123 Months	1.004	1.000	0.3445	1.003	3,900,000
123 to 135 Months	1.002	1.000	0.2923	1.001	4,400,000
135 to 147 Months	1.002	1.000	0.2164	1.002	5,100,000
147 to 159 Months	0.999	1.000	0.1706	0.999	5,800,000
159 to 171 Months	1.001	1.000	0.1554	1.001	6,600,000
171 to 183 Months	1.001	1.000	0.1440	1.001	7,500,000
183 to 195 Months	1.001	1.000	0.1296	1.001	8,600,000
195 to 207 Months	1.002	1.000	0.1230	1.002	9,700,000
207 to 219 Months	1.001	1.000	0.1210	1.001	11,100,000
219 to 231 Months	1.001	1.000	0.0789	1.001	12,700,000
231 to 243 Months	1.001	1.000	0.0443	1.001	14,500,000
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			1.022	1.009	1.000	1.007	1.001	1.003	1.003	1.001	1.002
6/30/2020		1.068	1.022	1.009	1.000	1.007	1.001	1.003	1.003	1.001	1.002
6/30/2021	1.136	1.068	1.022	1.009	1.000	1.007	1.001	1.003	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>	<u>ULT:243</u>	<u>Factor</u>	
6/30/2019	0.999	1.001	1.001	1.001	1.002	1.001	1.001	1.001	1.004	1.059	
6/30/2020	0.999	1.001	1.001	1.001	1.002	1.001	1.001	1.001	1.004	1.131	
6/30/2021	0.999	1.001	1.001	1.001	1.002	1.001	1.001	1.001	1.004	1.285	

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

## TENNESSEE

## 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	0.0285	0.5434	0.0481	1,400,000
27 to 39 Months	0.0828	0.0288	0.5593	0.0526	1,600,000
39 to 51 Months	0.0633	0.0322	0.5381	0.0466	1,800,000
51 to 63 Months	0.0310	-0.0004	0.5180	0.0147	2,000,000
63 to 75 Months	0.0252	0.0009	0.4359	0.0146	2,300,000
75 to 87 Months	0.0101	-0.0017	0.3993	0.0054	2,700,000
87 to 99 Months	0.0181	0.0000	0.3526	0.0117	3,000,000
99 to 111 Months	0.0148	0.0000	0.3694	0.0093	3,500,000
111 to 123 Months	0.0138	0.0000	0.3445	0.0090	3,900,000
123 to 135 Months	0.0071	0.0000	0.2923	0.0050	4,400,000
135 to 147 Months	0.0065	0.0000	0.2164	0.0051	5,100,000
147 to 159 Months	0.0035	0.0080	0.1706	0.0043	5,800,000
159 to 171 Months	0.0030	0.0000	0.1554	0.0025	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>	<u>87</u>
	0.229	0.181	0.128	0.082	0.067	0.052	0.047
<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>
	0.035	0.026	0.017	0.012	0.007	0.003	0.000

Full coverage

A.Y.E	Reported ALAE as of 9/30/2021	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2019	120,817	1,175,435	0.128	150,691	271,508
6/30/2020	101,932	1,027,716	0.181	185,811	287,743
6/30/2021	36,268	2,357,544	0.229	539,642	575,910

Deductible Coverage

A.Y.E	Reported ALAE as of 9/30/2021	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2019	13,977	10,276	0.128	1,317	15,294
6/30/2020	31,749	343,842	0.181	62,167	93,916
6/30/2021	34,818	108,057	0.229	24,734	59,552

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

## TENNESSEE

## 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

A.Y.E	Reported ALAE as of 9/30/2021	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2019	608,364	403,129	0.543	218,939	827,303
6/30/2020	96,078	128,368	0.717	91,976	188,054
6/30/2021	15,137	81,764	0.901	73,653	88,790

(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  
 TENNESSEE  
 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	2,593,118	3,759,626	4,424,975	4,287,083	4,349,327	4,285,257	4,182,046	4,218,546	4,242,134	4,237,187	4,237,187
6/30/2003	4,115,715	4,623,820	5,368,549	5,364,012	5,176,377	5,072,735	4,840,314	4,778,973	4,801,897	4,740,810	4,740,810
6/30/2004	3,996,925	4,707,194	4,779,147	4,479,088	4,380,408	4,340,642	4,223,662	4,261,869	4,263,869	4,263,869	4,263,869
6/30/2005	4,758,095	5,719,239	5,705,363	5,107,331	4,930,911	4,876,754	4,822,441	4,822,442	4,822,441	4,802,441	4,787,441
6/30/2006	3,999,895	4,434,807	4,015,120	3,926,725	3,667,562	3,632,312	3,535,789	3,533,436	3,533,436	3,533,436	3,588,436
6/30/2007	5,148,066	5,404,029	5,117,078	4,801,463	4,750,424	4,778,508	4,722,058	4,613,058	4,563,058	4,586,478	4,586,478
6/30/2008	5,458,597	6,165,598	6,741,016	6,502,527	5,967,604	5,742,104	5,744,834	5,745,179	5,745,179	5,745,179	5,745,179
6/30/2009	5,664,962	6,874,778	6,541,663	6,387,502	6,141,716	6,208,002	6,133,502	6,042,502	5,995,002	5,995,002	5,995,002
6/30/2010	6,508,394	6,706,018	6,459,820	6,287,556	6,085,826	5,814,880	5,808,730	5,697,980	5,675,223	5,564,223	5,563,532
6/30/2011	6,279,455	8,318,603	7,682,428	7,625,037	7,327,860	7,404,299	7,398,018	7,272,289	7,251,583	7,251,583	7,251,583
6/30/2012	5,448,717	6,644,094	5,761,340	5,157,837	5,137,389	5,113,247	5,191,475	5,191,475	5,191,475	5,191,247	
6/30/2013	4,702,508	5,856,929	5,826,081	5,639,917	5,512,855	5,580,815	5,569,228	5,519,851	5,519,851		
6/30/2014	5,094,479	5,907,631	6,054,388	5,581,891	5,370,096	5,406,914	5,336,957	5,336,767			
6/30/2015	4,763,402	6,099,072	6,583,867	6,100,069	6,220,427	6,080,348	6,066,023				
6/30/2016	5,010,853	6,774,694	6,652,450	6,531,369	6,179,726	6,130,366					
6/30/2017	5,145,957	6,809,238	6,541,746	6,473,388	6,714,759						
6/30/2018	5,248,976	6,938,502	6,995,304	6,698,794							
6/30/2019	5,316,840	6,442,626	6,844,551								
6/30/2020	3,915,410	5,295,370									
6/30/2021	4,556,290										

<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	4,237,187	4,237,187	4,237,187	4,237,187	4,237,187	4,237,187	4,237,187	4,237,187	4,237,187
6/30/2003	4,740,810	4,740,810	4,740,810	4,740,810	4,740,810	4,740,810	4,740,810	4,740,810	
6/30/2004	4,263,869	4,263,869	4,263,869	4,263,869	4,263,869	4,282,869	4,282,869		
6/30/2005	4,767,442	4,767,441	4,767,441	4,767,441	4,767,441	4,767,441			
6/30/2006	3,540,436	3,540,436	3,540,436	3,540,436	3,540,436				
6/30/2007	4,586,478	4,586,478	4,586,478	4,586,478					
6/30/2008	5,745,179	5,745,179	5,745,179						
6/30/2009	5,995,002	5,995,002							
6/30/2010	5,569,883								

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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	1.450	1.177	0.969	1.015	0.985	0.976	1.009	1.006	0.999	1.000	1.000
6/30/2003	1.123	1.161	0.999	0.965	0.980	0.954	0.987	1.005	0.987	1.000	1.000
6/30/2004	1.178	1.015	0.937	0.978	0.991	0.973	1.009	1.000	1.000	1.000	1.000
6/30/2005	1.202	0.998	0.895	0.965	0.989	0.989	1.000	1.000	0.996	0.997	0.996
6/30/2006	1.109	0.905	0.978	0.934	0.990	0.973	0.999	1.000	1.000	1.016	0.987
6/30/2007	1.050	0.947	0.938	0.989	1.006	0.988	0.977	0.989	1.005	1.000	1.000
6/30/2008	1.130	1.093	0.965	0.918	0.962	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2009	1.214	0.952	0.976	0.962	1.011	0.988	0.985	0.992	1.000	1.000	1.000
6/30/2010	1.030	0.963	0.973	0.968	0.955	0.999	0.981	0.996	0.980	1.000	1.001
6/30/2011	1.325	0.924	0.993	0.961	1.010	0.999	0.983	0.997	1.000	1.000	
6/30/2012	1.219	0.867	0.895	0.996	0.995	1.015	1.000	1.000	1.000		
6/30/2013	1.245	0.995	0.968	0.977	1.012	0.998	0.991	1.000			
6/30/2014	1.160	1.025	0.922	0.962	1.007	0.987	1.000				
6/30/2015	1.280	1.079	0.927	1.020	0.977	0.998					
6/30/2016	1.352	0.982	0.982	0.946	0.992						
6/30/2017	1.323	0.961	0.990	1.037							
6/30/2018	1.322	1.008	0.958								
6/30/2019	1.212	1.062									
6/30/2020	1.352										
3 Yr Mean	1.295	1.010	0.977	1.001	0.992	0.994	0.997	0.999	0.993	1.000	1.000
Best 3/5	1.332	1.017	0.956	0.986	0.998	0.998	0.991	0.998	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>			
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	<b>1.000</b>			
6/30/2004	1.000	1.000	1.000	1.000	1.004	1.000	<b>1.000</b>	<b>1.000</b>			
6/30/2005	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
6/30/2006	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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	1.001	1.000	1.000	1.000			
Best 3/5	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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					0.998	0.998	0.991	0.998	1.000	1.000	1.000
6/30/2018				0.986	0.998	0.998	0.991	0.998	1.000	1.000	1.000
6/30/2019			0.956	0.986	0.998	0.998	0.991	0.998	1.000	1.000	1.000
6/30/2020		1.017	0.956	0.986	0.998	0.998	0.991	0.998	1.000	1.000	1.000
6/30/2021	1.332	1.017	0.956	0.986	0.998	0.998	0.991	0.998	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/U1t</u>	FACTORS	
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	0.985	
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	0.971	
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	0.929	
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	0.944	
6/30/2021	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	1.258	

**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  
 TENNESSEE  
 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	166,351	802,376	1,130,247	1,223,407	1,511,957	1,577,774	1,527,919	1,467,633	1,483,198	1,461,984	1,461,984
6/30/2003	342,508	877,210	1,407,533	2,212,267	2,697,490	2,750,709	2,396,572	2,410,780	2,405,363	2,417,083	2,417,083
6/30/2004	272,241	719,238	1,288,725	1,351,360	1,467,327	1,506,719	1,519,673	1,569,293	1,574,537	1,577,505	1,577,505
6/30/2005	289,174	1,437,911	2,569,212	3,312,138	3,993,635	4,785,600	4,904,657	4,906,917	4,906,917	4,926,923	4,926,335
6/30/2006	247,968	868,923	1,092,592	1,167,983	1,159,852	1,191,967	1,365,671	1,337,288	1,337,288	1,337,288	1,337,288
6/30/2007	155,504	731,997	1,095,694	1,251,900	1,362,951	1,429,136	1,437,303	1,539,607	1,594,396	1,574,156	1,574,228
6/30/2008	299,638	983,979	1,938,394	2,976,177	3,041,011	3,049,004	3,067,806	3,079,087	3,079,087	3,079,087	3,079,087
6/30/2009	413,821	1,640,901	2,157,851	2,548,438	2,733,894	2,759,336	2,923,189	2,928,801	2,954,803	2,955,782	2,955,782
6/30/2010	882,943	1,672,523	3,157,544	3,956,733	3,702,158	3,862,851	3,715,549	3,891,342	3,949,948	3,963,362	3,963,761
6/30/2011	658,887	1,663,909	2,007,313	2,239,318	2,318,215	2,357,590	2,427,615	2,420,076	2,420,146	2,420,146	2,420,146
6/30/2012	686,310	1,817,832	1,849,325	2,017,245	2,041,722	2,095,202	2,128,440	2,146,313	2,171,310	2,171,678	
6/30/2013	1,351,799	2,220,889	2,748,577	3,161,926	3,281,662	3,486,428	3,583,848	3,576,673	3,569,105		
6/30/2014	618,672	1,604,232	2,158,154	2,471,160	2,520,723	2,493,601	2,506,608	2,506,957			
6/30/2015	578,726	1,590,093	2,232,122	2,495,381	2,523,764	2,504,820	2,524,890				
6/30/2016	379,215	1,421,815	2,642,021	3,191,932	3,303,862	3,331,360					
6/30/2017	840,578	2,080,916	3,640,473	3,752,562	3,933,443						
6/30/2018	402,333	1,278,528	1,851,932	2,036,908							
6/30/2019	574,422	1,452,656	2,101,752								
6/30/2020	318,982	1,082,085									
6/30/2021	638,064										

<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	1,461,984	1,461,984	1,461,984	1,461,984	1,461,984	1,461,984	1,461,984	1,461,984	1,461,984
6/30/2003	2,417,083	2,417,083	2,417,083	2,417,083	2,417,083	2,417,083	2,417,083	2,417,083	
6/30/2004	1,577,505	1,577,505	1,577,505	1,577,505	1,577,505	1,562,441	1,562,441		
6/30/2005	4,927,180	4,916,559	4,916,559	4,916,559	4,916,559	4,916,559			
6/30/2006	1,337,288	1,337,288	1,337,288	1,337,288	1,337,288				
6/30/2007	1,575,088	1,574,736	1,574,736	1,574,736					
6/30/2008	3,079,087	3,079,087	3,079,087						
6/30/2009	2,955,782	2,955,782							
6/30/2010	3,963,761								

Premises / Operations (Subline Code 334)  
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 TENNESSEE  
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 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
6/30/2002	636,025	327,871	93,160	288,550	65,817	-49,855	-60,286	15,565	-21,214	0	0	0	0
6/30/2003	534,702	530,323	804,734	485,223	53,219	-354,137	14,208	-5,417	11,720	0	0	0	0
6/30/2004	446,997	569,487	62,635	115,967	39,392	12,954	49,620	5,244	2,968	0	0	0	0
6/30/2005	1,148,737	1,131,301	742,926	681,497	791,965	119,057	2,260	0	20,006	-588	845	-10,621	0
6/30/2006	620,955	223,669	75,391	-8,131	32,115	173,704	-28,383	0	0	0	0	0	0
6/30/2007	576,493	363,697	156,206	111,051	66,185	8,167	102,304	54,789	-20,240	72	860	-352	0
6/30/2008	684,341	954,415	1,037,783	64,834	7,993	18,802	11,281	0	0	0	0	0	0
6/30/2009	1,227,080	516,950	390,587	185,456	25,442	163,853	5,612	26,002	979	0	0	0	0
6/30/2010	789,580	1,485,021	799,189	-254,575	160,693	-147,302	175,793	58,606	13,414	399	0	0	0
6/30/2011	1,005,022	343,404	232,005	78,897	39,375	70,025	-7,539	70	0	0	0	0	0
6/30/2012	1,131,522	31,493	167,920	24,477	53,480	33,238	17,873	24,997	368	0	0	0	0
6/30/2013	869,090	527,688	413,349	119,736	204,766	97,420	-7,175	-7,568	0	0	0	0	0
6/30/2014	985,560	553,922	313,006	49,563	-27,122	13,007	349	0	0	0	0	0	0
6/30/2015	1,011,367	642,029	263,259	28,383	-18,944	20,070	0	0	0	0	0	0	0
6/30/2016	1,042,600	1,220,206	549,911	111,930	27,498	0	0	0	0	0	0	0	0
6/30/2017	1,240,338	1,559,557	112,089	180,881	0	0	0	0	0	0	0	0	0
6/30/2018	876,195	573,404	184,976	0	0	0	0	0	0	0	0	0	0
6/30/2019	878,234	649,096	0	0	0	0	0	0	0	0	0	0	0
6/30/2020	763,103	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	0.0935	0.0482	0.0137	0.0424	0.0097	-0.0073	-0.0089	0.0023	-0.0031	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.0894	0.0887	0.1346	0.0812	0.0089	-0.0592	0.0024	-0.0009	0.0020	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.0729	0.0929	0.0102	0.0189	0.0064	0.0021	0.0081	0.0009	0.0005	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.1700	0.1675	0.1100	0.1009	0.1172	0.0176	0.0003	0.0000	0.0030	-0.0001	0.0001	-0.0016	0.0000
6/30/2006	0.1541	0.0555	0.0187	-0.0020	0.0080	0.0431	-0.0070	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2007	0.0985	0.0622	0.0267	0.0190	0.0113	0.0014	0.0175	0.0094	-0.0035	0.0000	0.0001	-0.0001	0.0000
6/30/2008	0.0847	0.1181	0.1284	0.0080	0.0010	0.0023	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2009	0.1471	0.0620	0.0468	0.0222	0.0031	0.0196	0.0007	0.0031	0.0001	0.0000	0.0000	0.0000	0.0000
6/30/2010	0.0947	0.1781	0.0958	-0.0305	0.0193	-0.0177	0.0211	0.0070	0.0016	0.0000	0.0000	0.0000	0.0000
6/30/2011	0.1072	0.0366	0.0247	0.0084	0.0042	0.0075	-0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2012	0.1750	0.0049	0.0260	0.0038	0.0083	0.0051	0.0028	0.0039	0.0001	0.0000	0.0000	0.0000	0.0000
6/30/2013	0.0986	0.0599	0.0469	0.0136	0.0232	0.0111	-0.0008	-0.0009	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2014	0.1094	0.0615	0.0348	0.0055	-0.0030	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2015	0.1113	0.0706	0.0290	0.0031	-0.0021	0.0022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2016	0.1130	0.1322	0.0596	0.0121	0.0030	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2017	0.1113	0.1400	0.0101	0.0162	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2018	0.0944	0.0618	0.0199	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2019	0.0831	0.0614	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	0.0858	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	0.0972	0.0882	0.0279	0.0104	0.0031	0.0049	0.0007	0.0023	0.0001	0.0000	0.0000	0.0000	0.0000
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Premises / Operations (Subline Code 334)  
 Owners, Landlords and Tenants  
 Full Coverage  
 TENNESSEE  
 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	546,948	683,883	668,383	651,119	699,115	698,537	674,682	674,682	674,563	671,818	671,818
6/30/2003	483,058	503,740	397,812	426,691	416,616	416,616	416,616	419,116	416,616	416,616	416,616
6/30/2004	368,132	425,212	502,851	539,074	439,074	439,074	439,074	439,074	439,074	439,074	439,074
6/30/2005	390,205	476,721	486,133	524,829	469,405	508,288	429,237	431,737	429,237	430,183	430,183
6/30/2006	286,347	298,140	238,334	245,834	238,334	310,834	310,834	335,834	335,834	335,834	335,834
6/30/2007	429,762	417,675	421,262	430,851	430,893	430,893	420,893	420,893	420,743	420,743	420,743
6/30/2008	478,673	416,783	376,783	379,606	424,606	424,606	449,606	412,441	412,441	412,441	412,441
6/30/2009	438,926	351,102	343,127	340,732	383,032	359,732	359,732	359,732	359,732	359,732	359,732
6/30/2010	646,501	808,847	685,837	635,838	635,837	635,837	635,837	635,837	635,837	635,837	635,837
6/30/2011	766,443	735,357	744,484	638,562	742,659	817,659	820,159	820,159	822,059	822,059	822,059
6/30/2012	695,811	581,775	642,003	683,950	686,450	596,450	591,450	591,450	591,450	591,450	
6/30/2013	681,488	662,377	651,251	614,151	638,514	638,514	638,514	638,514	638,514		
6/30/2014	497,282	565,216	408,444	403,944	403,944	403,944	403,944	403,944			
6/30/2015	720,756	678,158	752,071	737,972	756,097	752,173	752,073				
6/30/2016	573,309	742,394	690,998	689,048	617,050	617,048					
6/30/2017	712,827	771,833	698,305	722,677	701,599						
6/30/2018	528,645	614,807	707,961	771,073							
6/30/2019	567,682	644,013	753,586								
6/30/2020	569,884	519,808									
6/30/2021	739,102										

<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	671,818	671,818	671,818	671,818	671,818	671,818	671,818	671,818	671,818
6/30/2003	416,616	416,616	416,616	416,616	416,616	416,616	416,616	416,616	
6/30/2004	439,074	439,074	439,074	439,074	439,074	439,074	439,074		
6/30/2005	505,183	505,183	505,183	505,183	505,183	505,183			
6/30/2006	335,834	335,834	335,834	335,834	335,834				
6/30/2007	420,743	420,743	420,743	420,743					
6/30/2008	412,441	457,691	457,691						
6/30/2009	359,732	359,732							
6/30/2010	635,837								

Premises / Operations (Subline Code 334)  
 Owners, Landlords and Tenants  
 Full Coverage  
 TENNESSEE  
 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	1.250	0.977	0.974	1.074	0.999	0.966	1.000	1.000	0.996	1.000	1.000
6/30/2003	1.043	0.790	1.073	0.976	1.000	1.000	1.006	0.994	1.000	1.000	1.000
6/30/2004	1.155	1.183	1.072	0.814	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2005	1.222	1.020	1.080	0.894	1.083	0.844	1.006	0.994	1.002	1.000	1.174
6/30/2006	1.041	0.799	1.031	0.969	1.304	1.000	1.080	1.000	1.000	1.000	1.000
6/30/2007	0.972	1.009	1.023	1.000	1.000	0.977	1.000	1.000	1.000	1.000	1.000
6/30/2008	0.871	0.904	1.007	1.119	1.000	1.059	0.917	1.000	1.000	1.000	1.000
6/30/2009	0.800	0.977	0.993	1.124	0.939	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2010	1.251	0.848	0.927	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2011	0.959	1.012	0.858	1.163	1.101	1.003	1.000	1.002	1.000	1.000	
6/30/2012	0.836	1.104	1.065	1.004	0.869	0.992	1.000	1.000	1.000	1.000	
6/30/2013	0.972	0.983	0.943	1.040	1.000	1.000	1.000	1.000			
6/30/2014	1.137	0.723	0.989	1.000	1.000	1.000	1.000				
6/30/2015	0.941	1.109	0.981	1.025	0.995	1.000					
6/30/2016	1.295	0.931	0.997	0.896	1.000						
6/30/2017	1.083	0.905	1.035	0.971							
6/30/2018	1.163	1.152	1.089								
6/30/2019	1.134	1.170									
6/30/2020	0.912										
3 Yr Mean	1.070	1.076	1.040	0.964	0.998	1.000	1.000	1.001	1.000	1.000	1.000
Best 3/5	1.127	1.064	1.007	0.999	0.998	1.000	1.000	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>			
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	<b>1.000</b>			
6/30/2004	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>			
6/30/2005	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
6/30/2006	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
6/30/2007	1.000	1.000	1.000								
6/30/2008	1.110	1.000									
6/30/2009	1.000										
3 Yr Mean	1.037	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	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
	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					0.998	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2018				0.999	0.998	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2019			1.007	0.999	0.998	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2020		1.064	1.007	0.999	0.998	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2021	1.127	1.064	1.007	0.999	0.998	1.000	1.000	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>243/241t</u>		<b>FACTORS</b>
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		0.998
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		0.997
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		1.004
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		1.068
6/30/2021	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		1.204

**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  
 TENNESSEE  
 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	37,676	128,235	157,203	241,256	252,966	256,454	265,019	262,224	262,343	262,343	262,343
6/30/2003	38,048	68,753	79,486	93,072	108,512	108,512	108,512	123,512	108,512	108,512	108,512
6/30/2004	27,820	55,627	88,209	107,530	108,800	108,800	108,800	108,800	108,800	108,800	108,800
6/30/2005	21,231	51,823	104,784	221,816	214,899	279,061	310,478	360,081	357,710	361,423	395,627
6/30/2006	94,071	39,079	49,001	66,106	58,189	60,501	62,147	78,953	79,191	79,191	79,191
6/30/2007	91,080	353,620	448,003	496,692	499,536	516,123	537,435	537,770	537,770	537,770	537,770
6/30/2008	30,394	52,170	57,626	75,611	123,379	142,917	178,255	214,621	250,324	254,561	258,703
6/30/2009	68,879	75,080	88,440	89,259	139,259	167,167	167,167	167,167	167,167	167,167	167,167
6/30/2010	52,175	169,052	341,038	384,170	377,876	378,726	378,726	378,726	378,726	378,726	378,726
6/30/2011	23,482	119,985	103,690	128,967	221,619	260,327	234,191	214,597	214,597	214,597	214,597
6/30/2012	100,356	85,593	104,027	142,428	144,368	161,023	157,370	160,369	160,369	160,369	
6/30/2013	50,480	68,681	83,802	73,040	70,130	70,130	70,130	70,130	70,130		
6/30/2014	54,484	246,554	179,901	175,132	175,132	176,005	176,005	176,005			
6/30/2015	14,389	57,653	94,508	115,222	147,616	131,398	141,347				
6/30/2016	80,872	281,394	266,624	337,109	287,520	287,830					
6/30/2017	37,475	60,924	83,036	94,604	96,352						
6/30/2018	75,807	113,566	236,751	281,048							
6/30/2019	52,939	60,695	69,666								
6/30/2020	48,150	38,765									
6/30/2021	36,177										

<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	262,343	262,343	262,343	262,343	262,343	262,343	262,343	262,343	262343
6/30/2003	108,512	108,512	108,512	108,512	108,512	108,512	108,512	108512	
6/30/2004	108,800	108,800	108,800	108,800	108,800	108,800	108800		
6/30/2005	407,981	431,041	431,041	431,041	431,041	431041			
6/30/2006	79,191	79,191	79,191	79,191	79191				
6/30/2007	537,770	537,805	537,805	537805					
6/30/2008	261,622	272,683	548012						
6/30/2009	167,167	167167							
6/30/2010	378,726								

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

	Increments												
<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>	<u>159:147</u>	<u>171:159</u>
6/30/2002	90,559	28,968	84,053	11,710	3,488	8,565	-2,795	119	0	0	0	0	0
6/30/2003	30,705	10,733	13,586	15,440	0	0	15,000	-15,000	0	0	0	0	0
6/30/2004	27,807	32,582	19,321	1,270	0	0	0	0	0	0	0	0	0
6/30/2005	30,592	52,961	117,032	-6,917	64,162	31,417	49,603	-2,371	3,713	34,204	12,354	23,060	0
6/30/2006	-54,992	9,922	17,105	-7,917	2,312	1,646	16,806	238	0	0	0	0	0
6/30/2007	262,540	94,383	48,689	2,844	16,587	21,312	335	0	0	0	0	35	0
6/30/2008	21,776	5,456	17,985	47,768	17,985	19,538	36,366	35,703	4,237	4,142	2,919	11,061	275,329
6/30/2009	6,201	13,360	819	50,000	27,908	0	0	0	0	0	0	0	
6/30/2010	116,877	171,986	43,132	-6,294	850	0	0	0	0	0	0		
6/30/2011	96,503	-16,295	25,277	92,652	38,708	-26,136	-19,594	0	0	0			
6/30/2012	-14,763	18,434	38,401	1,940	16,655	-3,653	2,999	0	0				
6/30/2013	18,201	15,121	-10,762	-2,910	0	0	0	0					
6/30/2014	192,070	-66,653	-4,769	0	873	0	0						
6/30/2015	43,264	36,855	20,714	32,394	-16,218	9,949							
6/30/2016	200,522	-14,770	70,485	-49,589	310								
6/30/2017	23,449	22,112	11,568	1,748									
6/30/2018	37,759	123,185	44,297										
6/30/2019	7,756	8,971											
6/30/2020	-9,385												

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	0.0917	0.0293	0.0851	0.0119	0.0035	0.0087	-0.0028	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2003	0.0694	0.0243	0.0307	0.0349	0.0000	0.0000	0.0339	-0.0339	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2004	0.0608	0.0713	0.0423	0.0028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2005	0.0435	0.0752	0.1662	-0.0098	0.0911	0.0446	0.0705	-0.0034	0.0053	0.0486	0.0175	0.0328	0.0000	
6/30/2006	-0.1437	0.0259	0.0447	-0.0207	0.0060	0.0043	0.0439	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2007	0.3183	0.1144	0.0590	0.0034	0.0201	0.0258	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2008	0.0473	0.0119	0.0391	0.1038	0.0425	0.0768	0.0791	0.0776	0.0092	0.0090	0.0063	0.0240	0.5986	
6/30/2009	0.0171	0.0369	0.0023	0.1380	0.0770	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
6/30/2010	0.1797	0.2644	0.0663	-0.0097	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
6/30/2011	0.0758	-0.0128	0.0199	0.0728	0.0304	-0.0205	-0.0154	0.0000	0.0000	0.0000				
6/30/2012	-0.0212	0.0264	0.0551	0.0028	0.0239	-0.0052	0.0043	0.0000	0.0000					
6/30/2013	0.0213	0.0177	-0.0126	-0.0034	0.0000	0.0000	0.0000	0.0000						
6/30/2014	0.4657	-0.1616	-0.0116	0.0000	0.0021	0.0000	0.0000							
6/30/2015	0.0560	0.0477	0.0268	0.0419	-0.0210	0.0129								
6/30/2016	0.3137	-0.0231	0.1103	-0.0776	0.0005									
6/30/2017	0.0309	0.0291	0.0152	0.0023										
6/30/2018	0.0464	0.1514	0.0545											
6/30/2019	0.0083	0.0096												
6/30/2020	-0.0153													

Best 3/5	0.0285	0.0288	0.0322	-0.0004	0.0009	-0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0080	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											
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	1.303	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
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>			
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	<b>1.000</b>			
6/30/2004	1.000	1.000	1.000	1.000	1.000	1.001	<b>1.001</b>	<b>1.000</b>			
6/30/2005	1.000	1.001	1.001	1.000	1.001	<b>1.000</b>	<b>1.001</b>	<b>1.000</b>			
6/30/2006	0.999	1.000	1.001	1.002	<b>1.000</b>	<b>1.000</b>	<b>1.001</b>	<b>1.000</b>			
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	<b>1.000</b>	<b>1.000</b>	<b>1.001</b>	<b>1.000</b>			
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					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
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/U1t</u>	FACTORS	
6/30/2017	1.000	1.001	1.001	1.000	1.000	1.000	1.001	1.000	<b>1.000</b>	0.992	
6/30/2018	1.000	1.001	1.001	1.000	1.000	1.000	1.001	1.000	<b>1.000</b>	1.000	
6/30/2019	1.000	1.001	1.001	1.000	1.000	1.000	1.001	1.000	<b>1.000</b>	1.070	
6/30/2020	1.000	1.001	1.001	1.000	1.000	1.000	1.001	1.000	<b>1.000</b>	1.286	
6/30/2021	1.000	1.001	1.001	1.000	1.000	1.000	1.001	1.000	<b>1.000</b>	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	22,540,278	22,547,079	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	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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 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>
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
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>			
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	<b>1.000</b>			
6/30/2004	1.001	1.002	1.000	1.000	0.999	1.000	<b>1.000</b>	<b>1.000</b>			
6/30/2005	1.000	1.000	1.003	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
6/30/2006	0.995	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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					0.998	1.001	0.996	0.994	0.999	0.999	1.000
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
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/U1t</u>	<b>FACTORS</b>	
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	0.987	
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	1.002	
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	1.069	
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	1.317	
6/30/2021	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	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

	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	20,333,229	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

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	<b>1.001</b>			
6/30/2004	1.001	1.001	1.001	1.003	1.002	1.000	<b>1.001</b>	<b>1.001</b>			
6/30/2005	1.000	0.995	1.000	1.002	1.001	<b>1.002</b>	<b>1.001</b>	<b>1.001</b>			
6/30/2006	0.997	1.002	1.003	1.000	<b>1.001</b>	<b>1.002</b>	<b>1.001</b>	<b>1.001</b>			
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	<i>1.002</i>	<i>1.000</i>	<i>1.003</i>	<i>1.002</i>			
Best 3/5	0.999	1.001	1.001	1.001	<b>1.002</b>	<b>1.001</b>	<b>1.001</b>	<b>1.001</b>			
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
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/U1t</u>		<u>FACTORS</u>
6/30/2017	0.999	1.001	1.001	1.001	1.002	1.001	1.001	1.001	<b>1.004</b>		1.040
6/30/2018	0.999	1.001	1.001	1.001	1.002	1.001	1.001	1.001	<b>1.004</b>		1.059
6/30/2019	0.999	1.001	1.001	1.001	1.002	1.001	1.001	1.001	<b>1.004</b>		1.102
6/30/2020	0.999	1.001	1.001	1.001	1.002	1.001	1.001	1.001	<b>1.004</b>		1.182
6/30/2021	0.999	1.001	1.001	1.001	1.002	1.001	1.001	1.001	<b>1.004</b>		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  
 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	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
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>			
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	<b>1.000</b>			
6/30/2004	1.001	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>			
6/30/2005	1.000	1.000	1.002	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
6/30/2006	1.047	1.004	0.997	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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	<i>1.001</i>	<i>1.000</i>	<i>1.000</i>	<i>1.001</i>			
Best 3/5	1.001	1.000	1.001	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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					1.019	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
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	
6/30/2017	1.001	1.000	1.001	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	1.015	
6/30/2018	1.001	1.000	1.001	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	1.051	
6/30/2019	1.001	1.000	1.001	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	1.137	
6/30/2020	1.001	1.000	1.001	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	1.208	
6/30/2021	1.001	1.000	1.001	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	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

	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	4,243,308	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												

	Incremental Percentages												
<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>	<u>159:147</u>	<u>171:159</u>
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.	<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	1.220	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.	<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	1.004	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	<b>1.001</b>			
6/30/2004	1.000	1.003	1.006	1.000	1.000	1.004	<b>1.001</b>	<b>1.001</b>			
6/30/2005	1.007	1.004	0.995	1.005	0.998	<b>1.000</b>	<b>1.001</b>	<b>1.001</b>			
6/30/2006	0.994	1.005	0.996	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.001</b>	<b>1.001</b>			
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	<b>1.000</b>	<b>1.001</b>	<b>1.001</b>	<b>1.001</b>			

	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					1.009	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	<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	1.003	1.004	1.002	1.001	1.000	1.001	1.001	1.001	<b>1.005</b>		1.044
6/30/2018	1.003	1.004	1.002	1.001	1.000	1.001	1.001	1.001	<b>1.005</b>		1.074
6/30/2019	1.003	1.004	1.002	1.001	1.000	1.001	1.001	1.001	<b>1.005</b>		1.119
6/30/2020	1.003	1.004	1.002	1.001	1.000	1.001	1.001	1.001	<b>1.005</b>		1.360
6/30/2021	1.003	1.004	1.002	1.001	1.000	1.001	1.001	1.001	<b>1.005</b>		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

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
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												

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	0.1094	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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Multistate Review of ULAE Experience  
General Liability Including CMP Liability  
Loss Adjustment Expense Special Call  
Calendar Years 2016 - 2020

<u>Item *</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2016 - 2020 Mean</u>
1. Direct Losses Incurred	\$25,294,920	\$22,482,130	\$26,488,833	\$28,457,912	\$27,645,568	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$4,918,135	\$5,837,815	\$5,788,203	\$5,769,832	\$6,283,679	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$2,517,590	\$2,283,529	\$2,272,533	\$2,770,296	\$2,176,729	
4. Incurred Losses + ALAE [(1) + (2)]	\$30,213,055	\$28,319,945	\$32,277,036	\$34,227,744	\$33,929,247	
<u>Incurred Percentage</u>						
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	8.3%	8.1%	7.0%	8.1%	6.4%	7.6%
6. Selected	8.0% **					

Notes: All dollar amounts are displayed in thousands.

\* Items (1) - (4) are from the special call submissions for available writers.

\*\* 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&amp;T CLASS</u> <u>GROUPS 1-13 *</u>	<u>OL&amp;T CLASS</u> <u>GROUP 16</u>	<u>PREMISES/</u> <u>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%

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	
CLASS GROUP		CLASS GROUP		CLASS GROUP		CLASS GROUP		CLASS GROUP		CLASS GROUP	
SALES EXPOSURE		SALES EXPOSURE		PAYROLL EXPOSURE		SALES EXPOSURE		SALES EXPOSURE		PAYROLL EXPOSURE	
QUARTER *		INDICES		INDICES		QUARTER *		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			
1/1/2020 to 1/1/2024				(2024:2/2020:2)				1.165			
1/1/2021 to 1/1/2024				(2024:2/2021:2)				1.145			
<u>AVERAGE ANNUAL TREND FACTOR</u>											
1/1/2019 to 1/1/2024				(5.0 YEARS)				1.031			
1/1/2020 to 1/1/2024				(4.0 YEARS)				1.039			
1/1/2021 to 1/1/2024				(3.0 YEARS)				1.046			

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

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

<u>TYPE OF CLASS</u>	<u>VOLUME</u> <sup>2</sup>	<u>INFLATION TREND</u> <sup>3</sup>
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% <sup>4</sup>

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

1/1/2019 to 1/1/2024	(2024:2/2019:2)	1.177
1/1/2020 to 1/1/2024	(2024:2/2020:2)	1.161
1/1/2021 to 1/1/2024	(2024:2/2021:2)	1.132

## AVERAGE ANNUAL TREND FACTOR

1/1/2019 to 1/1/2024	(5.0 YEARS)	1.033
1/1/2020 to 1/1/2024	(4.0 YEARS)	1.038
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)		
				10 Year	8 Year	6 Year
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)		
				10 Year	8 Year	6 Year
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)		
				10 Year	8 Year	6 Year
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)		
				10 Year	8 Year	6 Year
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 OCCURRENCES<sup>1</sup>  
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 <sup>1</sup>	(4) Occurrence Frequency <u>(3) / (2)<sup>2</sup></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%

<sup>1</sup> Occurrences are based on reported paid amounts developed to ultimate using paid development factors.

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

PREMISES/OPERATIONS  
OWNERS, LANDLORDS AND TENANTS

FREQUENCY TREND INCLUDING FRINGE OCCURRENCES<sup>1</sup>  
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 <sup>1</sup>	(4) Occurrence Frequency <u>(3) / (2) <sup>2</sup></u>
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%

<sup>1</sup> Occurrences are based on reported paid amounts developed to ultimate using paid development factors.

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

## PREMISES/OPERATIONS (SUBLINE CODE 334)

## CLASS GROUPS AND DIFFERENTIALS

\*Base Class

CLASS GROUP 01		CLASS GROUP 03					
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
		10204	0.43	14734	0.51	48808	3.10
		10205	0.48	14913	0.64	49111	4.74
		10210	0.77	15314	0.41		
		10211	0.77	15538	0.73	CLASS GROUP 04	
		10220	9.04	15600	1.84	10133	12.18
		10309	0.31	15608	0.41	11052	12.67
		10315	0.73	15656	12.11	11167	2.92
		11020	0.58	15839	0.55	11168	15.14
		11126	0.12	15991	0.45	14731	12.57
		11155	0.41	15993	0.38	14732	0.93
		11204	0.60	16402	2.72	15123	12.15
		11234	0.54	16403	1.72	15124	4.25
		11273	26.77	16404	2.17	19007	4.75
		11274	25.69	16676	0.57	19051	10.53
		12356	2.27	16750	0.20	44009	14.81
		12374	1.18	16751	0.20	49617	1.00 *
		12375	0.58	16881	3.13	49618	0.84
		12393	0.77	18109	0.75	49619	1.58
				18110	0.60	49763	10.26
				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
		18078	1.81	41670	0.42	44431	30.76
10140	0.46	18205	2.79	43518	5.97	44432	9.75
10141	0.92	18707	0.15	43626	4.77	44433	310.66
10145	4.43	18833	1.79	43628	61.99	44434	594.24
12361	1.00 *	<u>CLASS GROUP 07</u>		43629	52.53	44435	615.31
13049	0.52			43760	1.75	44436	718.67
13112	0.85	10015	2.95	44069	5.10	44437	595.63
13670	0.56	10052	2.04	44070	1.51	44438	470.71
15223	0.66	10054	1.81	44071	1.68	44439	916.25
<u>CLASS GROUP 06</u>		10110	10.04	44072	1.16	44440	758.14
10010	1.59	10117	2.93	44311	3.08	46112	1.00 *
10011	0.38	10120	6.57	44315	2.07	<u>CLASS GROUP 09</u>	
10012	0.44	10331	4.00	46911	9.44	45190	1.00 *
10025	0.38	10332	6.90	46912	17.29	45191	0.71
10027	0.38	10378	4.05	47318	3.88	45192	0.83
10040	1.21	10379	1.88	47420	0.85	45193	0.49
10070	0.91	10380	3.21	48206	12.62	45210	0.62
10111	1.99	10381	2.78	48441	0.053	46202	1.27
11127	5.07	11138	1.00 *	48557	5.30	64074	7.06
11128	6.84	16670	1.66	48558	4.61	64075	4.97
11203	11.79	40045	91.94	48637	4.05		
12362	1.00 *	40046	18.17	48638	2.01		
12373	0.38	40047	6.48	48925	96.91		
12391	0.75	40059	2.32	49870	40.51		
12707	6.56	40061	1.23	63217	18.47		
12797	1.38	40063	41.16	63218	6.22		
13715	1.00	40064	12.10	<u>CLASS GROUP 08</u>			
13930	2.13	40111	3.26	40101	254.14		
14527	4.07	41001	0.11	40102	224.55		
16005	0.53	41664	13.92	44427	918.85		
16501	1.12	41665	1.63	44428	924.07		
16527	1.72	41667	38.05	44429	13.85		
		41668	35.67				

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

10020	(a)
10119	(a)
10135	(a)
10375	(a)
11101	(a)
11120	(a)
11160	(a)
13208	(a)
13461	(a)
15119	(a)
15120	(a)
15300	(a)
16722	(a)
16723	(a)
18200	(a)
18991	(a)
19061	(a)
40005	(a)
40006	(a)
40010	(a)
40015	(a)
40020	(a)
40026	(a)
40031	(a)
40032	(a)
40040	(a)
40041	(a)
40042	(a)
40066	(a)
40067	(a)
40069	(a)
40072	(a)
40115	(a)
40117	(a)

40140	(a)
41210	(a)
41666	(a)
41672	(a)
41673	(a)
41700	(a)
43007	(a)
43117	(a)
43215	(a)
43424	(a)
43517	(a)
43754	(a)
43945	(a)
43946	(a)
43990	(a)
43991	(a)
44105	(a)
44106	(a)
44113	(a)
44193	(a)
44194	(a)
44222	(a)
44500	(a)
44501	(a)
45224	(a)
45225	(a)
45523	(a)
45524	(a)
45539	(a)
45993	(a)
46510	(a)
46590	(a)
46671	(a)
46773	(a)
46822	(a)
46881	(a)

46882	(a)
46913	(a)
46914	(a)
46915	(a)
46916	(a)
47051	(a)
47052	(a)
47103	(a)
47146	(a)
47147	(a)
47253	(a)
47254	(a)
47468	(a)
47600	(a)
47610	(a)
48177	(a)
48178	(a)
48252	(a)
48610	(a)
48727	(a)
48924	(a)
49305	(a)
49451	(a)
49452	(a)
49800	(a)
49890	(a)
49891	(a)
49902	(a)
49903	(a)
63219	(a)
63220	(a)
64500	(a)
97501	(a)
97502	(a)
97503	(a)
97504	(a)

CLASS GROUP 16

44100	0.96
44101	1.00
44102	0.78
44103	0.69
44104	0.29
44108	0.34
44109	0.86
44110	0.88
44111	0.54
44112	0.32

\*



PREMISES/OPERATIONS (SUBLINE CODE 334)  
 CLASS GROUPS AND DIFFERENTIALS  
 \*Base Class

<u>CLASS GROUP 30</u>		<u>CLASS GROUP 31</u>		<u>CLASS GROUP 32</u>			
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 32

(cont'd)

98423	2.57
98424	4.36
98425	1.79
98426	1.58
98427	1.54
98449	2.21
98482	2.37
98483	3.50
98502	3.35
98555	1.56
98597	0.35
98598	0.12
98601	4.01
98624	0.63
98640	69.14
98677	10.90
98678	9.68
98699	3.15
98710	2.19
98805	2.86
98820	5.46
98884	1.42
98967	2.23
99003	1.06
99080	0.75
99111	1.09
99163	2.60
99165	0.57
99223	0.16
99303	8.72
99310	2.18
99315	6.41

99321 6.22

99613 5.51

99620 0.30

99718 0.88

99746 1.49

99760 0.17

99793 1.89

99827 0.27

99851 1.10

99917 1.78

99938 2.00

99943 5.80

99946 4.32

99963 0.43

CLASS GROUP 33

91130 0.28

91135 0.08

91200 0.16

91265 3.42

91266 1.81

91560 1.00 \*

91580 1.32

91606 2.74

91629 0.56

91636 0.96

91641 0.26

91722 0.84

92445 0.55

92663 0.13

95306 1.10

95357 0.28

95455 1.16

95505 0.54

96317 0.29

96872 1.03

97220 0.075

97308 0.14

97447 0.46

97651 1.36

97652 1.18

97655 1.05

98002 0.19

98152 0.64

98153 0.72

98154 0.85

98155 1.19

98157 0.76

98159 0.51

98160 1.08

98161 1.21

98163 1.27

98303 2.39

98309 1.20

98429 0.25

98658 1.23

98659 0.22

98705 1.74

98751 0.93

98914 0.15

98949 0.21

99220 0.33

99222 0.62

99471 0.15

99969 0.60

99988 0.53

CLASS GROUP 34

10036 2.70

10073 4.20

10075 31.17

10107 12.84

10255 1.00 \*

10256 3.66

10257 0.69

11039 3.65

11248 0.19

12014 0.41

12509 0.25

12510 3.17

12583 1.41

12651 4.11

12683 1.88

13201 3.63

13204 4.11

13205 1.58

13410 5.75

13412 1.94

13453 2.24

13454 2.62

13455 2.66

13590 1.98

13621 0.50

14279 1.91

14855 0.88

15062 0.79

15063 0.92

15188 1.39

15404 0.36

15405 0.53

## 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

<u>CLASS GROUP 37</u>		52076	1.47	57090	1.83	59904	0.52
48636	10.49	52137	0.48	57146	1.16	59915	1.73
50011	0.58	52341	0.30	57411	0.28	59917	0.32
50018	0.53	52342	0.87	57611	0.60	59947	0.52
51001	0.36	52343	0.53	57690	0.78	59970	0.70
51005	0.074	52401	1.64	57716	0.37	59975	0.98
51116	0.91	52547	1.42	57725	0.81	59977	0.56
51210	0.63	52767	1.30	57726	0.63	59988	0.25
51220	2.16	53147	0.22	57808	0.31		
51221	1.20	53229	1.23	57809	0.32		
51222	1.46	53333	1.21	57810	0.31		
51224	1.53	53425	1.14	57871	0.37		
51230	0.26	53803	2.72	57999	0.51		
51250	1.66	55013	1.03	58009	0.51		
51255	4.21	55426	1.25	58301	0.39		
51330	0.64	55717	1.65	58663	2.57		
51333	0.21	55718	1.60	58756	0.48		
51400	1.50	56170	1.12	58813	1.18		
51401	2.21	56171	0.55	58837	2.37		
51625	0.33	56567	1.16	58840	0.71		
51702	0.99	56650	3.55	58873	1.13		
51703	0.41	56651	1.93	58922	1.88		
51734	0.77	56652	1.38	59223	1.17		
51850	1.55	56653	1.33	59378	0.76		
51851	1.05	56654	0.68	59537	0.82		
51852	2.46	56911	1.00	59750	0.61		
51853	0.99	56912	0.81	59751	0.22		
51854	2.22	56913	0.66	59781	0.53		
51855	2.33	56915	3.91	59782	0.79		
51856	1.28	56916	3.53	59783	0.77		
51857	2.19	56917	1.02	59784	0.59		
51909	1.40	56918	0.49	59798	2.01		
52075	1.22	56919	1.25	59806	1.44		
		56920	1.14	59892	0.77		

## PREMISES/OPERATIONS (SUBLINE CODE 334)

## CLASS GROUPS AND DIFFERENTIALS

\*Base Class

<u>CLASS GROUP 38</u>		46622	10.69	53905	(a)	98158	(a)
		47050	1.00	53951	(a)	98162	(a)
10072	4.39	47367	0.25	53952	(a)	98428	(a)
10367	3.88	49005	0.17	53953	(a)	98430	(a)
10368	5.67	49840	1.03	54444	(a)	98622	(a)
11007	1.65	51516	0.075	55014	(a)	98623	(a)
11201	14.44	51517	0.085	55410	(a)	98698	(a)
11202	4.27	51985	0.070	58561	(a)	98871	(a)
11206	0.67	52660	0.089	59695	(a)	99081	(a)
11207	8.46	53734	0.45	91210	(a)	99082	(a)
11208	1.45	54012	0.045	91280	(a)	99083	(a)
11209	6.81	57997	0.10	91325	(a)	99084	(a)
11210	2.90	58408	0.059	91581	(a)	99085	(a)
11211	15.07	58409	0.075	91582	(a)	99160	(a)
11212	2.28	58456	0.040	91583	(a)	99221	(a)
11213	1.86	58457	0.058	91584	(a)	99445	(a)
11214	4.58	58458	0.075	91585	(a)	99798	(a)
11222	0.077	58459	0.09	91586	(a)	99803	(a)
14405	0.97			91587	(a)	99986	(a)
15070	0.13	<u>CLASS GROUP 39</u>		91588	(a)	99987	(a)
15607	0.17	11205	(a)	91589	(a)		
15699	0.42	13206	(a)	91591	(a)		
16471	0.24	13207	(a)	91618	(a)		
41620	1.21	13411	(a)	94444	(a)		
41677	0.25	15060	(a)	94638	(a)		
41696	0.79	15061	(a)	95358	(a)		
41697	0.55	18575	(a)	95630	(a)		
43470	4.60	41675	(a)	95648	(a)		
43822	3.66	41679	(a)	96703	(a)		
43840	0.045	44010	(a)	96930	(a)		
43860	2.88	51211	(a)	97002	(a)		
43889	1.03	52876	(a)	97003	(a)		
44280	0.25	53901	(a)	97221	(a)		
45678	0.27	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

TYPE OF POLICY	ACCIDENT YEAR ENDING	\$100,000					TRENDED \$100,000			
		BASIC LIMIT			EXPOSURE			BASIC LIMIT		
		AGGREGATE LOSS COSTS AT CURRENT LEVEL	X	DEVELOPMENT FACTOR +@	X	EXPOSURE TREND #	X	AVERAGE IPMF *	=	AGGREGATE LOSS COSTS AT CURRENT LEVEL
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	FACTOR	X	FACTOR	X	TREND	X	TREND	=	TRENDED LOSSES
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	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000	
			BASIC LIMIT LOSSES AND ALAE *		BASIC LIMIT INDEMNITY DEVELOPMENT FACTOR						UNALLOCATED LOSS ADJUSTMENT FACTOR	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  
 1.000

39:27  
 0.999

Accident Year Ending	Exposure Development From 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 ALCCCL 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	<b>1.000</b>			
12/31/2003	1.006	0.985	1.005	1.010	0.998	1.005	<b>1.000</b>	<b>1.000</b>			
12/31/2004	0.992	1.012	1.004	0.992	0.998	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
12/31/2005	1.001	1.000	0.996	1.003	<b>1.002</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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	<b>1.000</b>	1.016	
12/31/2017	1.005	1.002	1.000	1.002	1.000	1.000	1.000	1.000	<b>1.000</b>	1.024	
12/31/2018	1.005	1.002	1.000	1.002	1.000	1.000	1.000	1.000	<b>1.000</b>	1.108	
12/31/2019	1.005	1.002	1.000	1.002	1.000	1.000	1.000	1.000	<b>1.000</b>	1.478	
12/31/2020	1.005	1.002	1.000	1.002	1.000	1.000	1.000	1.000	<b>1.000</b>	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	<b>1.000</b>			
12/31/2003	1.000	1.002	1.000	1.000	1.000	1.000	<b>0.999</b>	<b>1.000</b>			
12/31/2004	1.001	1.000	1.000	1.000	1.002	<b>1.002</b>	<b>0.999</b>	<b>1.000</b>			
12/31/2005	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.002</b>	<b>0.999</b>	<b>1.000</b>			
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	1.006	0.995	1.001	1.000			
Best 3/5	1.000	1.000	1.000	1.000	<b>1.002</b>	<b>0.999</b>	<b>0.999</b>	<b>1.000</b>			

	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>	<b>FACTORS</b>	
12/31/2016	1.000	1.000	1.000	1.000	1.002	0.999	0.999	1.000	<b>0.999</b>		1.010
12/31/2017	1.000	1.000	1.000	1.000	1.002	0.999	0.999	1.000	<b>0.999</b>		1.022
12/31/2018	1.000	1.000	1.000	1.000	1.002	0.999	0.999	1.000	<b>0.999</b>		1.149
12/31/2019	1.000	1.000	1.000	1.000	1.002	0.999	0.999	1.000	<b>0.999</b>		1.499
12/31/2020	1.000	1.000	1.000	1.000	1.002	0.999	0.999	1.000	<b>0.999</b>		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	17,075,659				
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  
MultistateBodily 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	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												

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	0.1009	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	<b>1.016</b>
12/31/2002	0.968	1.002	1.020	1.012	1.000	<b>1.004</b>	<b>1.016</b>
12/31/2003	1.007	1.001	1.003	1.002	<b>1.005</b>	<b>1.004</b>	<b>1.016</b>
12/31/2004	1.015	0.994	1.009	<b>1.008</b>	<b>1.005</b>	<b>1.004</b>	<b>1.016</b>
12/31/2005	1.004	1.005	<b>1.002</b>	<b>1.008</b>	<b>1.005</b>	<b>1.004</b>	<b>1.016</b>
12/31/2006	1.005						
Best 3/5	1.005	1.003	<b>1.008</b>	<b>1.006</b>	<b>1.005</b>	<b>1.004</b>	<b>1.016</b>
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				
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	<b>1.000</b>			
12/31/2003	0.990	0.999	1.009	0.992	1.002	1.001	<b>1.000</b>	<b>1.000</b>			
12/31/2004	0.998	1.009	0.986	0.994	1.000	<b>1.001</b>	<b>1.000</b>	<b>1.000</b>			
12/31/2005	0.994	1.018	0.988	1.001	<b>0.998</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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	<b>0.999</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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	<b>1.001</b>	1.091	
12/31/2017	1.000	1.002	0.997	0.998	0.999	1.000	1.000	1.000	<b>1.001</b>	1.120	
12/31/2018	1.000	1.002	0.997	0.998	0.999	1.000	1.000	1.000	<b>1.001</b>	1.148	
12/31/2019	1.000	1.002	0.997	0.998	0.999	1.000	1.000	1.000	<b>1.001</b>	1.241	
12/31/2020	1.000	1.002	0.997	0.998	0.999	1.000	1.000	1.000	<b>1.001</b>	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.	<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	1,366,432	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.	<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	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	<b>1.000</b>			
12/31/2003	1.013	0.973	0.999	0.999	1.000	1.000	<b>1.000</b>	<b>1.000</b>			
12/31/2004	1.041	0.996	1.000	1.006	1.005	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
12/31/2005	1.013	1.020	0.987	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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	<b>1.000</b>	1.046	
12/31/2017	1.002	0.991	0.999	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	1.073	
12/31/2018	1.002	0.991	0.999	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	1.127	
12/31/2019	1.002	0.991	0.999	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	1.232	
12/31/2020	1.002	0.991	0.999	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	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

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	1,459,382	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												

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	0.0487	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

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	1.002	0.999	1.001	1.000	1.000	1.001	<b>1.000</b>
12/31/2002	1.006	1.003	1.000	1.003	1.003	<b>1.000</b>	<b>1.000</b>
12/31/2003	1.002	0.996	1.001	1.001	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>
12/31/2004	1.007	0.999	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>
12/31/2005	0.993	1.000	<b>0.999</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>
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

A.Y.E.	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	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**

Multistate Review of ULAE Experience  
General Liability Including CMP Liability  
Loss Adjustment Expense Special Call  
Calendar Years 2016 - 2020

<u>Item *</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2016 - 2020 Mean</u>
1. Direct Losses Incurred	\$25,294,920	\$22,482,130	\$26,488,833	\$28,457,912	\$27,645,568	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$4,918,135	\$5,837,815	\$5,788,203	\$5,769,832	\$6,283,679	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$2,517,590	\$2,283,529	\$2,272,533	\$2,770,296	\$2,176,729	
4. Incurred Losses + ALAE [(1) + (2)]	\$30,213,055	\$28,319,945	\$32,277,036	\$34,227,744	\$33,929,247	
<u>Incurred Percentage</u>						
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	8.3%	8.1%	7.0%	8.1%	6.4%	7.6%
6. Selected	8.0% **					

Notes: All dollar amounts are displayed in thousands.

\* Items (1) - (4) are from the special call submissions for available writers.

\*\* 8.0% was selected due to consideration of the impact of Covid-19 in the most recent year.

## 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 Ending	(2) Aggregate Loss Costs at Current Level	(3) Occurrences at Ultimate <sup>1</sup>	(4) Occurrence Frequency <u>(3) / (2)<sup>2</sup></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%

<sup>1</sup> Occurrences are based on reported paid amounts developed to ultimate using paid development factors.

<sup>2</sup> 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)	OCCUR	OCCUR	CHANGE	OCCUR	OCCUR
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 ER	INDEX (6)	CHANGE FACTOR (7)	PRESENT	PROPOSED	STATE-	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
	MONO/MULTI	MONO/MULTI	MONO/MULTI					MULTI-	MULTI-	WIDE		
	ALCCL (1)	ALCCL (2)	RATIO (3)					STATE OCCUR (8)	STATE OCCUR (9)	% CHANGE (10)		
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 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 : 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					STATE	STATE	%		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	OCCUR	OCCUR	CHANGE	OCCUR	OCCUR
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 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (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 SQUARE: 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)	(8)	(9)	(10)	(11)	(12)
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

TAU SQUARE: 0.03547

X-TILDE (MONOLINE):

1.279

SIGMA SQUARED:

364751.651

PI-TILDE 0.0070587

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		ER		FACTOR	STATE	STATE	%	STATEWIDE	STATEWIDE	
	(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	U
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	U
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	U
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	L
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

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

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## 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		ER		FACTOR	STATE	STATE	%	STATEWIDE	STATEWIDE
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	OCCUR	OCCUR	CHANGE	OCCUR	OCCUR
								(8)	(9)	(10)	(11)	(12)
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

X-TILDE (MONOLINE): 0.885

PI-TILDE 0.0016742

TAU SQUARE: 0.11174

SIGMA SQUARED: 248731.944

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## 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	5 YEAR						PRESENT	PROPOSED	STATE-	PRESENT	PROPOSED		
	AYE 2020	5 YEAR	MONO/MULTI	CRED.	ER	INDEX	CHANGE	MULTI- STATE	MULTI- STATE			WIDE %	STATEWIDE
	MONO/MULTI	MONO/MULTI	EXPERIENCE										
	ALCCL (1)	ALCCL (2)	RATIO (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	
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	
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	
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

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## 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 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (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

TAU SQUARE: 0.11174

X-TILDE (MONOLINE):

SIGMA SQUARED:

0.885

248731.944

PI-TILDE 0.0016742

L - CAPPED DOWN

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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		FORMULA	CHANGE	PRESENT	PROPOSED	STATE-	PRESENT	PROPOSED	
	MONO/MULTI	MONO/MULTI	MONO/MULTI				MULTI-	MULTI-	WIDE			
	ALCCL	ALCCL	RATIO	CRED.			ER	INDEX	FACTOR			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

TYPE OF POLICY	ACCIDENT YEAR ENDING	\$100,000					TRENDED \$100,000			
		BASIC LIMIT			EXPOSURE			BASIC LIMIT		
		AGGREGATE LOSS COSTS	DEVELOPMENT	EXPOSURE	AVERAGE	AGGREGATE LOSS COSTS				
		AT CURRENT LEVEL	X	FACTOR +@	X	TREND #	X	IPMF *	=	AT CURRENT LEVEL
MONOLINE	12/31/2017	\$104,356,660		1.000		1.182				\$123,349,572
	12/31/2018	\$123,089,712		1.000		1.144				\$140,814,631
	12/31/2019	\$129,744,216		1.000		1.114				\$144,535,057
	12/31/2020	\$130,791,935		0.970		1.088				\$138,032,577
MULTILINE	12/31/2017	\$237,847,079		1.000		1.180		0.990		\$277,852,958
	12/31/2018	\$262,428,851		1.000		1.144		0.993		\$298,117,075
	12/31/2019	\$268,103,082		1.000		1.114		0.994		\$296,874,832
	12/31/2020	\$260,711,506		0.970		1.090		0.995		\$274,272,024
TOTAL	12/31/2017									\$401,202,530
	12/31/2018									\$438,931,706
	12/31/2019									\$441,409,889
	12/31/2020									\$412,304,601

+ 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

			\$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	ADJUSTMENT	X	SEVERITY	FREQUENCY	=	TRENDED LOSSES
									TREND	TREND		AND ALAE
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	\$100,000	X	X	X	X	X	=	\$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
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.

## Tennessee

## 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	1.026
35	Not Applicable	--
36	Service Policy	1.042
37	Industrial / Processing Policy	0.620
38	Contractors Policy	0.780

- (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.

## TENNESSEE

## 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	1.038	0.9448	1.037	3,000,000
27 to 39 Months	1.000	1.000	0.6001	1.000	35,000,000
Accident Year Ending	Exposure Development From				Factor @
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		
12/31/2018			1.000		1.000
12/31/2019		1.000	1.000		1.000
12/31/2020	1.037	1.000	1.000		1.037

(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 ALCCL for the latest year. The derivation of this adjustment is explained in Section D.

TENNESSEE  
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	10,957,213	11,188,787	11,167,416	11,167,152	11,167,120	11,167,120	11,167,102	11,167,102
12/31/2014	13,015,140	13,514,026	13,481,368	13,477,458	13,476,997	13,476,997	13,476,997	
12/31/2015	15,153,310	15,686,104	15,700,017	15,695,742	15,696,554	15,696,516		
12/31/2016	16,502,723	17,247,694	17,258,688	17,256,782	17,256,580			
12/31/2017	16,886,091	17,510,005	17,477,032	17,477,968				
12/31/2018	17,210,456	17,761,472	17,762,823					
12/31/2019	17,248,902	17,969,771						
12/31/2020	16,644,496							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
12/31/2013	1.021	0.998	1.000	1.000	1.000	1.000	1.000
12/31/2014	1.038	0.998	1.000	1.000	1.000	1.000	
12/31/2015	1.035	1.001	1.000	1.000	1.000		
12/31/2016	1.045	1.001	1.000	1.000			
12/31/2017	1.037	0.998	1.000				
12/31/2018	1.032	1.000					
12/31/2019	1.042						

Average Best 3 of 5  
27:15                39:27  
 1.038                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      39:27  
 1.020      1.000



## TENNESSEE

## 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 <sub>i</sub> )
15 to 27 Months	1.937	2.138	0.4630	2.030	310,000
27 to 39 Months	1.483	1.106	0.5309	1.283	350,000
39 to 51 Months	1.096	1.085	0.4971	1.091	380,000
51 to 63 Months	1.006	1.470	0.5241	1.249	420,000
63 to 75 Months	0.976	1.167	0.5145	1.074	470,000
75 to 87 Months	1.000	1.000	0.5695	1.000	520,000
87 to 99 Months	0.996	1.000	0.3687	0.997	580,000
99 to 111 Months	0.997	1.000	0.3770	0.998	640,000
111 to 123 Months	0.991	1.000	0.4308	0.995	710,000
123 to 135 Months	0.997	1.000	0.5228	0.999	790,000
135 to 147 Months	0.998	1.000	0.4351	0.999	880,000
147 to 159 Months	0.999	1.000	0.3287	0.999	980,000
159 to 171 Months	0.998	1.000	0.3687	0.999	1,100,000
171 to 183 Months	1.000	1.000	0.3815	1.000	1,200,000
183 to 195 Months	0.999	1.000	0.3715	0.999	1,400,000
195 to 207 Months	0.998	1.000	0.2773	0.999	1,500,000
207 to 219 Months	0.999	1.000	0.2317	0.999	1,700,000
219 to 231 Months	1.000	1.000	0.1482	1.000	1,900,000
231 to 243 Months	1.000	1.000	0.0308	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			1.091	1.249	1.074	1.000	0.997	0.998	0.995	0.999	0.999
12/31/2019		1.283	1.091	1.249	1.074	1.000	0.997	0.998	0.995	0.999	0.999
12/31/2020	2.030	1.283	1.091	1.249	1.074	1.000	0.997	0.998	0.995	0.999	0.999
	<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	0.999	1.000	0.999	0.999	0.999	1.000	1.000	1.000		1.439
12/31/2019	0.999	0.999	1.000	0.999	0.999	0.999	1.000	1.000	1.000		1.846
12/31/2020	0.999	0.999	1.000	0.999	0.999	0.999	1.000	1.000	1.000		3.747

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

## TENNESSEE

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
A.Y.E	<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	32,120	1,351,024	0.293	396,120	428,240	1.009	432,094
12/31/2019	13,345	71,994	0.429	30,864	44,209	1.009	44,607
12/31/2020	8,633	329,133	0.489	161,078	169,711	1.009	171,238

(A) See Exhibit C19 - Multistate Loss Development.

Note : Completed Operations Incremental ALAE Factors are calculated using multistate data.

## TENNESSEE

## 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	1.304	0.7776	1.289	860,000
27 to 39 Months	1.117	1.064	0.8138	1.074	940,000
39 to 51 Months	1.076	1.071	0.8034	1.072	980,000
51 to 63 Months	1.051	1.020	0.7986	1.026	1,100,000
63 to 75 Months	1.044	0.990	0.7709	1.002	1,200,000
75 to 87 Months	1.040	0.972	0.7280	0.990	1,300,000
87 to 99 Months	1.026	0.984	0.7313	0.995	1,400,000
99 to 111 Months	1.047	1.006	0.7469	1.016	1,500,000
111 to 123 Months	1.017	0.997	0.7660	1.002	1,600,000
123 to 135 Months	1.014	1.002	0.7284	1.005	1,700,000
135 to 147 Months	1.004	0.995	0.7064	0.998	1,900,000
147 to 159 Months	1.008	0.998	0.6810	1.001	2,000,000
159 to 171 Months	1.008	1.000	0.6298	1.003	2,200,000
171 to 183 Months	1.006	1.000	0.6084	1.002	2,400,000
183 to 195 Months	1.005	1.000	0.5736	1.002	2,600,000
195 to 207 Months	1.002	1.000	0.5766	1.001	2,800,000
207 to 219 Months	1.003	1.000	0.5345	1.001	3,000,000
219 to 231 Months	1.002	1.000	0.3905	1.001	3,200,000
231 to 243 Months	1.001	1.000	0.2276	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			1.072	1.026	1.002	0.990	0.995	1.016	1.002	1.005	0.998
12/31/2019		1.074	1.072	1.026	1.002	0.990	0.995	1.016	1.002	1.005	0.998
12/31/2020	1.289	1.074	1.072	1.026	1.002	0.990	0.995	1.016	1.002	1.005	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	1.001	1.003	1.002	1.002	1.001	1.001	1.001	1.001	1.002		1.127
12/31/2019	1.001	1.003	1.002	1.002	1.001	1.001	1.001	1.001	1.002		1.210
12/31/2020	1.001	1.003	1.002	1.002	1.001	1.001	1.001	1.001	1.002		1.559

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

## TENNESSEE

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
A.Y.E	<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	631,378	2,182,667	0.369	805,404	1,436,782	1.045	1,501,437
12/31/2019	443,356	1,692,828	0.450	762,450	1,205,806	1.045	1,260,067
12/31/2020	186,600	1,911,547	0.511	976,227	1,162,827	1.045	1,215,154

(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  
 TENNESSEE  
 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	27,508	219,258	236,258	283,508	208,708	208,708	193,708	193,708	86,708	66,708	66,708
12/31/2002	38,768	220,768	120,854	153,201	203,201	273,201	273,201	263,851	263,851	263,851	263,851
12/31/2003	146,682	244,413	182,486	189,486	181,986	181,986	181,986	181,986	181,986	181,986	181,986
12/31/2004	244,658	189,887	168,887	127,887	129,762	129,762	129,762	129,762	129,762	129,762	129,762
12/31/2005	302,395	256,628	470,678	465,678	520,678	515,678	515,678	515,678	515,678	515,678	515,678
12/31/2006	66,650	84,264	93,164	92,164	92,164	92,164	95,716	94,716	94,716	94,716	94,716
12/31/2007	132,649	117,000	47,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000
12/31/2008	165,950	280,139	375,990	473,440	455,940	455,940	455,940	378,136	353,136	353,136	353,136
12/31/2009	197,011	282,742	354,334	297,748	282,748	345,991	366,557	292,748	292,748	292,748	292,748
12/31/2010	156,737	183,838	128,219	169,450	219,450	219,450	219,450	219,450	219,450	219,450	219,450
12/31/2011	128,472	244,476	217,726	40,875	25,119	40,136	25,119	25,119	25,119	25,119	25,119
12/31/2012	111,740	22,783	81,134	58,594	151,149	142,733	142,733	142,733	142,733		
12/31/2013	54,419	164,919	79,919	70,919	170,919	170,919	170,919	170,919			
12/31/2014	291,067	437,138	350,569	301,676	299,183	374,183					
12/31/2015	47,000	81,659	24,525	28,000	28,000	35,000					
12/31/2016	6,994	69,828	56,784	132,784	132,784						
12/31/2017	182,797	172,850	294,342	360,749							
12/31/2018	68,536	153,361	262,509								
12/31/2019	16,000	39,000									
12/31/2020	87,839										

  

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	66,708	66,708	66,708	66,708	66,708	66,708	66,708	66,708	66,708
12/31/2002	263,851	263,851	263,851	263,851	263,851	263,851	263,851	263,851	
12/31/2003	181,986	181,986	181,986	181,986	181,986	181,986	181,986		
12/31/2004	129,762	129,762	129,762	129,762	129,762	129,762			
12/31/2005	515,678	515,678	515,678	515,678	515,678				
12/31/2006	94,716	94,716	94,716	94,716					
12/31/2007	32,000	32,000	32,000						
12/31/2008	353,136	353,136							
12/31/2009	282,748								

Completed Operations (Subline Code 336)  
Full Coverage  
TENNESSEE  
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	7.971	1.078	1.200	0.736	1.000	0.928	1.000	0.448	0.769	1.000	1.000
12/31/2002	5.695	0.547	1.268	1.326	1.344	1.000	0.966	1.000	1.000	1.000	1.000
12/31/2003	1.666	0.747	1.038	0.960	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2004	0.776	0.889	0.757	1.015	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2005	0.849	1.834	0.989	1.118	0.990	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2006	1.264	1.106	0.989	1.000	1.000	1.039	0.990	1.000	1.000	1.000	1.000
12/31/2007	0.882	0.402	0.681	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2008	1.688	1.342	1.259	0.963	1.000	1.000	0.829	0.934	1.000	1.000	1.000
12/31/2009	1.435	1.253	0.840	0.950	1.224	1.059	0.799	1.000	1.000	1.000	0.966
12/31/2010	1.173	0.697	1.322	1.295	1.000	1.000	1.000	1.000	1.000	1.000	
12/31/2011	1.903	0.891	0.188	0.615	1.598	0.626	1.000	1.000	1.000		
12/31/2012	0.204	3.561	0.722	2.580	0.944	1.000	1.000	1.000			
12/31/2013	3.031	0.485	0.887	2.410	1.000	1.000	1.000				
12/31/2014	1.502	0.802	0.861	0.992	1.251	1.000					
12/31/2015	1.737	0.300	1.142	1.000	1.250						
12/31/2016	9.984	0.813	2.338	1.000							
12/31/2017	0.946	1.703	1.226								
12/31/2018	2.238	1.712									
12/31/2019	2.438										
3 Yr Mean	1.874	1.409	1.569	0.997	1.167	1.000	1.000	1.000	1.000	1.000	0.989
Best 3/5	2.138	1.106	1.085	1.470	1.167	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	<b>1.000</b>		
12/31/2003	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>		
12/31/2004	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>		
12/31/2005	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>		
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					1.167	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2017				1.470	1.167	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2018			1.085	1.470	1.167	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2019		1.106	1.085	1.470	1.167	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2020	2.138	1.106	1.085	1.470	1.167	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	<b>1.000</b>	1.167
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	1.715
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	1.861
12/31/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	2.059
12/31/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	4.401

**Bold - Calculated Using Modified Bondy Method**

*Italics - Three year mean Excludes Modified Bondy ratios*

Completed Operations (Subline Code 336)  
Full Coverage  
TENNESSEE  
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	7,684	121,454	163,841	210,862	217,956	163,784	178,860	180,256	150,941	153,646	154,159
12/31/2002	5,975	62,052	69,626	108,634	163,153	210,972	160,348	179,722	179,722	179,722	179,722
12/31/2003	18,654	100,317	162,772	194,925	182,861	182,861	182,861	182,861	182,861	182,861	182,861
12/31/2004	15,927	55,904	99,595	259,265	270,747	279,210	279,210	279,210	279,210	279,210	279,210
12/31/2005	238,149	120,810	270,302	319,557	307,434	356,730	345,109	346,015	346,015	346,015	346,015
12/31/2006	5,576	24,699	59,516	76,892	79,502	95,714	127,941	131,183	131,183	131,183	131,183
12/31/2007	16,497	24,428	33,329	33,274	46,970	46,970	46,970	46,970	46,970	46,970	46,970
12/31/2008	36,581	114,458	234,156	291,076	381,598	670,348	701,394	719,972	720,725	720,725	720,725
12/31/2009	9,276	51,466	96,930	132,627	153,801	159,859	178,293	178,293	178,293	178,293	179,113
12/31/2010	22,933	78,253	148,904	187,903	228,286	229,415	229,415	229,415	229,415	229,415	229,415
12/31/2011	3,548	13,048	41,463	49,682	51,951	76,951	51,951	51,951	51,951	51,951	
12/31/2012	108	14,195	41,039	65,298	124,012	145,879	182,862	182,862	182,862		
12/31/2013	15,713	30,398	35,732	33,768	79,771	79,773	79,774	79,779			
12/31/2014	16,145	90,602	138,307	198,571	225,459	249,135	255,640				
12/31/2015	0	30,688	87,555	112,024	131,827	162,606					
12/31/2016	0	42,908	39,747	41,244	41,244						
12/31/2017	8,540	52,263	149,962	187,890							
12/31/2018	405	10,694	20,620								
12/31/2019	0	13,345									
12/31/2020	8,633										

  

<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	154,159	154,159	154,159	154,159	154,159	154,159	154,159	154,159	154,159
12/31/2002	179,722	179,722	179,722	179,722	179,722	179,722	179,722	179,722	
12/31/2003	182,861	182,861	182,861	182,861	182,861	182,861	182,861		
12/31/2004	279,210	279,210	279,210	279,210	279,210	279,210			
12/31/2005	346,015	346,015	346,015	346,015	346,015				
12/31/2006	131,183	131,183	131,183	131,183					
12/31/2007	46,970	46,970	46,970						
12/31/2008	720,725	720,725							
12/31/2009	175,114								

Completed Operations (Subline Code 336)  
 Full Coverage  
 TENNESSEE  
 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	485,518	796,808	929,961	1,073,176	1,014,118	1,034,118	1,034,118	1,134,118	1,109,118	1,001,618	1,008,829
12/31/2002	500,875	776,989	718,393	1,035,959	1,016,884	913,075	848,805	1,067,953	988,443	1,048,739	1,048,539
12/31/2003	778,220	1,210,249	1,334,686	1,197,922	1,243,166	1,333,746	1,421,039	1,458,214	1,528,214	1,455,013	1,398,924
12/31/2004	959,143	1,204,242	1,125,873	1,193,872	1,132,315	1,337,311	1,411,261	1,389,552	1,382,042	1,387,042	1,377,042
12/31/2005	597,564	500,340	612,185	633,608	662,457	664,683	818,267	817,815	792,815	737,845	737,845
12/31/2006	675,833	1,256,598	1,445,292	1,717,506	1,822,563	1,825,363	1,646,167	1,634,155	1,638,154	1,638,154	1,613,154
12/31/2007	807,022	967,775	1,191,660	1,331,044	1,390,944	1,336,263	1,303,597	1,301,246	1,411,247	1,397,946	1,462,946
12/31/2008	1,246,022	1,697,699	1,725,244	1,796,178	1,355,275	1,336,532	1,299,662	1,268,366	1,267,868	1,267,059	1,274,744
12/31/2009	1,423,810	1,811,806	2,347,011	2,054,236	1,868,456	1,880,927	1,908,689	1,826,310	1,859,143	1,834,141	1,834,141
12/31/2010	1,463,528	1,636,377	1,547,084	1,524,277	1,503,815	1,473,002	1,463,002	1,457,325	1,457,325	1,457,325	1,457,325
12/31/2011	1,564,499	1,670,241	1,774,139	1,921,460	1,908,056	1,936,666	1,922,553	1,922,553	1,922,553	1,922,553	
12/31/2012	997,777	1,046,634	917,169	928,319	1,023,319	1,044,819	987,319	1,047,319	1,139,444		
12/31/2013	852,288	913,252	963,103	1,042,111	1,007,320	941,039	901,163	811,363			
12/31/2014	1,243,710	1,493,463	1,492,641	1,677,752	1,681,188	1,493,030	1,441,029				
12/31/2015	658,861	877,888	1,068,532	1,283,872	1,349,406	1,478,411					
12/31/2016	818,726	1,425,715	1,389,857	1,401,031	1,412,090						
12/31/2017	802,028	922,873	1,546,484	1,516,994							
12/31/2018	1,230,647	1,759,049	1,556,878								
12/31/2019	974,377	1,115,411									
12/31/2020	804,725										

  

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	1,001,618	1,001,618	1,001,618	1,001,618	1,001,618	1,001,618	1,001,618	1,001,618	1,001,618
12/31/2002	1,048,539	1,048,544	1,048,544	1,048,539	1,048,539	1,048,539	1,048,539	1,048,539	
12/31/2003	1,398,924	1,398,924	1,403,924	1,403,924	1,408,924	1,394,580	1,394,581		
12/31/2004	1,377,042	1,377,042	1,377,042	1,355,542	1,355,542	1,355,542			
12/31/2005	737,849	737,845	737,845	737,845	737,845				
12/31/2006	1,633,154	1,613,154	1,613,154	1,613,154					
12/31/2007	1,381,736	1,391,736	1,381,736						
12/31/2008	1,253,803	1,244,975							
12/31/2009	1,834,340								



Completed Operations (Subline Code 336)  
Full Coverage  
TENNESSEE  
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	1.641	1.167	1.154	0.945	1.020	1.000	1.097	0.978	0.903	1.007	0.993
12/31/2002	1.551	0.925	1.442	0.982	0.898	0.930	1.258	0.926	1.061	1.000	1.000
12/31/2003	1.555	1.103	0.898	1.038	1.073	1.065	1.026	1.048	0.952	0.961	1.000
12/31/2004	1.256	0.935	1.060	0.948	1.181	1.055	0.985	0.995	1.004	0.993	1.000
12/31/2005	0.837	1.224	1.035	1.046	1.003	1.231	0.999	0.969	0.931	1.000	1.000
12/31/2006	1.859	1.150	1.188	1.061	1.002	0.902	0.993	1.002	1.000	0.985	1.012
12/31/2007	1.199	1.231	1.117	1.045	0.961	0.976	0.998	1.085	0.991	1.046	0.944
12/31/2008	1.362	1.016	1.041	0.755	0.986	0.972	0.976	1.000	0.999	1.006	0.984
12/31/2009	1.273	1.295	0.875	0.910	1.007	1.015	0.957	1.018	0.987	1.000	1.000
12/31/2010	1.118	0.945	0.985	0.987	0.980	0.993	0.996	1.000	1.000	1.000	
12/31/2011	1.068	1.062	1.083	0.993	1.015	0.993	1.000	1.000	1.000		
12/31/2012	1.049	0.876	1.012	1.102	1.021	0.945	1.061	1.088			
12/31/2013	1.072	1.055	1.082	0.967	0.934	0.958	0.900				
12/31/2014	1.201	0.999	1.124	1.002	0.888	0.965					
12/31/2015	1.332	1.217	1.202	1.051	1.096						
12/31/2016	1.741	0.975	1.008	1.008							
12/31/2017	1.151	1.676	0.981								
12/31/2018	1.429	0.885									
12/31/2019	1.145										
3 Yr Mean	1.242	1.179	1.064	1.020	0.973	0.956	0.987	1.029	0.996	1.002	0.976
Best 3/5	1.304	1.064	1.071	1.020	0.990	0.972	0.984	1.006	0.997	1.002	0.995
	<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	<b>1.000</b>			
12/31/2003	1.000	1.004	1.000	1.004	0.990	1.000	<b>1.000</b>	<b>1.000</b>			
12/31/2004	1.000	1.000	0.984	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
12/31/2005	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
12/31/2006	0.988	1.000	1.000								
12/31/2007	1.007	0.993									
12/31/2008	0.993										
3 Yr Mean	0.996	0.998	0.995	1.001	0.997	1.000	1.000	1.000			
Best 3/5	0.998	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					0.990	0.972	0.984	1.006	0.997	1.002	0.995
12/31/2017				1.020	0.990	0.972	0.984	1.006	0.997	1.002	0.995
12/31/2018			1.071	1.020	0.990	0.972	0.984	1.006	0.997	1.002	0.995
12/31/2019		1.064	1.071	1.020	0.990	0.972	0.984	1.006	0.997	1.002	0.995
12/31/2020	1.304	1.064	1.071	1.020	0.990	0.972	0.984	1.006	0.997	1.002	0.995
	<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/U1t</u>		FACTORS
12/31/2016	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		0.945
12/31/2017	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		0.964
12/31/2018	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		1.032
12/31/2019	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		1.098
12/31/2020	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		1.432

**Bold - Calculated Using Modified Bondy Method**

*Italics - Three year mean Excludes Modified Bondy ratios*

Completed Operations (Subline Code 336)  
Full Coverage  
TENNESSEE  
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	58,349	174,243	209,806	262,214	268,804	291,085	366,176	606,671	668,153	508,548	508,613
12/31/2002	102,809	168,186	323,421	555,046	724,066	754,023	715,788	846,621	854,275	856,664	856,106
12/31/2003	143,377	417,860	600,735	819,817	799,287	899,778	991,092	1,076,702	1,033,784	1,046,781	1,046,078
12/31/2004	168,298	214,867	241,964	298,915	367,995	557,252	1,220,268	1,718,835	1,936,431	1,954,007	1,935,751
12/31/2005	85,130	55,358	124,698	352,797	531,727	588,366	576,704	579,032	577,843	577,843	577,843
12/31/2006	206,404	373,689	645,555	696,165	1,037,207	1,259,991	1,355,109	1,395,641	1,394,915	1,423,086	1,442,719
12/31/2007	104,629	196,164	385,294	511,782	903,192	969,862	1,057,734	1,080,183	1,204,859	1,256,179	1,250,066
12/31/2008	257,979	567,174	781,008	1,028,759	1,357,434	1,521,706	1,545,326	1,603,326	1,628,828	1,604,742	1,633,485
12/31/2009	229,805	499,033	850,500	985,285	1,174,807	1,316,985	1,447,624	1,842,196	1,873,095	1,898,402	1,966,510
12/31/2010	163,286	338,065	498,370	509,078	641,452	650,155	700,611	721,676	720,965	720,965	720,965
12/31/2011	195,124	424,534	497,601	659,629	825,300	873,781	858,169	858,169	858,169	858,169	
12/31/2012	125,420	372,065	391,481	421,534	474,207	520,740	504,896	586,781	642,174		
12/31/2013	487,785	514,957	488,428	1,024,697	1,185,592	1,297,147	1,345,125	1,271,643			
12/31/2014	126,504	447,166	818,697	1,086,133	1,197,620	1,146,510	1,227,727				
12/31/2015	76,505	254,207	325,435	463,334	566,626	760,659					
12/31/2016	144,844	418,968	528,457	801,114	1,031,750						
12/31/2017	127,066	286,412	533,201	913,969							
12/31/2018	99,303	330,104	548,172								
12/31/2019	130,069	413,853									
12/31/2020	178,276										

  

<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	508,613	508,613	508,613	508,613	508,613	508,613	508,613	508,613	508,613
12/31/2002	857,542	857,410	857,410	857,409	857,409	857,409	857,409	857,409	
12/31/2003	1,049,070	1,050,403	1,102,183	1,102,182	1,193,313	1,148,294	1,150,434		
12/31/2004	1,935,751	1,935,751	1,935,751	1,914,740	1,914,740	1,914,740			
12/31/2005	577,843	577,843	577,843	577,843	577,843				
12/31/2006	1,538,717	1,602,567	1,612,828	1,613,511					
12/31/2007	1,196,355	1,211,768	1,201,768						
12/31/2008	1,639,865	1,640,475							
12/31/2009	1,985,576								

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.	<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	2.192	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.	<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	1.004	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	<b>1.000</b>			
12/31/2003	1.001	1.004	0.998	1.000	0.997	1.000	<b>1.000</b>	<b>1.000</b>			
12/31/2004	1.018	0.994	1.001	1.002	0.997	<b>0.998</b>	<b>1.000</b>	<b>1.000</b>			
12/31/2005	0.996	0.995	0.999	0.999	<b>0.999</b>	<b>0.998</b>	<b>1.000</b>	<b>1.000</b>			
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			
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					0.976	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.	<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	0.998	1.000	0.999	0.998	0.999	1.000	1.000	<b>1.000</b>		0.949
12/31/2017	0.999	0.998	1.000	0.999	0.998	0.999	1.000	1.000	<b>1.000</b>		0.955
12/31/2018	0.999	0.998	1.000	0.999	0.998	0.999	1.000	1.000	<b>1.000</b>		1.046
12/31/2019	0.999	0.998	1.000	0.999	0.998	0.999	1.000	1.000	<b>1.000</b>		1.552
12/31/2020	0.999	0.998	1.000	0.999	0.998	0.999	1.000	1.000	<b>1.000</b>		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	<b>1.000</b>			
12/31/2003	0.983	1.000	1.000	1.075	1.000	1.000	<b>1.001</b>	<b>1.000</b>			
12/31/2004	1.000	1.000	1.120	1.000	1.000	<b>1.007</b>	<b>1.001</b>	<b>1.000</b>			
12/31/2005	1.000	1.053	1.000	1.000	<b>1.000</b>	<b>1.007</b>	<b>1.001</b>	<b>1.000</b>			
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>		<u>FACTORS</u>
12/31/2016	1.000	1.018	1.000	1.000	1.007	1.002	1.001	1.000	<b>1.000</b>		1.022
12/31/2017	1.000	1.018	1.000	1.000	1.007	1.002	1.001	1.000	<b>1.000</b>		1.038
12/31/2018	1.000	1.018	1.000	1.000	1.007	1.002	1.001	1.000	<b>1.000</b>		1.156
12/31/2019	1.000	1.018	1.000	1.000	1.007	1.002	1.001	1.000	<b>1.000</b>		1.396
12/31/2020	1.000	1.018	1.000	1.000	1.007	1.002	1.001	1.000	<b>1.000</b>		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
171 to Ultimate Factor:			1.009				

**Bold - Calculated Using Modified Bondy Method**

Completed Operations (Subline Code 336)  
Full Coverage  
Multistate  
Bodily Injury - Occurrence  
Incurred Accident Year Incremental ALAE Development

		Increments											
<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>	<u>159:147</u>	<u>171:159</u>
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											
<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>	<u>159:147</u>	<u>171:159</u>
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.	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	1.358	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.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
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.	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					1.044	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
Development From											
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	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 :											
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	3,365,915	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										

  

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	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	<b>1.000</b>			
12/31/2003	1.015	0.974	0.996	0.996	1.000	1.000	<b>1.000</b>	<b>1.000</b>			
12/31/2004	1.013	1.000	0.999	0.995	0.999	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
12/31/2005	1.015	1.013	1.002	1.000	<b>0.998</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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	<b>0.999</b>	1.242	
12/31/2017	1.014	1.008	0.994	0.997	1.000	1.000	1.000	1.000	<b>0.999</b>	1.336	
12/31/2018	1.014	1.008	0.994	0.997	1.000	1.000	1.000	1.000	<b>0.999</b>	1.450	
12/31/2019	1.014	1.008	0.994	0.997	1.000	1.000	1.000	1.000	<b>0.999</b>	1.694	
12/31/2020	1.014	1.008	0.994	0.997	1.000	1.000	1.000	1.000	<b>0.999</b>	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.	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	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										

	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
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	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243
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												
<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>	<u>159:147</u>	<u>171:159</u>
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	3,101,003	984,104	989,706			
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												
<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>	<u>159:147</u>	<u>171:159</u>
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	8,039,796			
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	<b>1.000</b>			
12/31/2003	0.999	1.000	1.001	0.999	1.000	1.000	<b>1.000</b>	<b>1.000</b>			
12/31/2004	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
12/31/2005	0.999	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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
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	<b>1.000</b>	0.988	
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	0.988	
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	1.022	
12/31/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	1.162	
12/31/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	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	<b>1.000</b>			
12/31/2003	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>			
12/31/2004	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
12/31/2005	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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	<b>1.000</b>		0.997
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		0.981
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		1.110
12/31/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		1.103
12/31/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		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:											
<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	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										
<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	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.	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	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		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.	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	0.0664	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

A.Y.E	Link Ratios						
	<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	<b>1.004</b>
12/31/2002	1.002	1.003	1.002	1.000	1.000	<b>1.001</b>	<b>1.004</b>
12/31/2003	1.012	0.998	0.999	1.000	<b>1.001</b>	<b>1.001</b>	<b>1.004</b>
12/31/2004	1.000	1.000	1.000	<b>1.001</b>	<b>1.001</b>	<b>1.001</b>	<b>1.004</b>
12/31/2005	1.000	1.001	<b>1.001</b>	<b>1.001</b>	<b>1.001</b>	<b>1.001</b>	<b>1.004</b>
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

A.Y.E	Reported	\$500,000	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
	ALAE as of 3/31/2021	Ultimate Indemnity					
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 :

<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	1,592,860	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										

<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	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			
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											
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	1.003	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	<b>1.000</b>			
12/31/2003	0.993	0.994	1.009	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>			
12/31/2004	1.003	1.050	0.994	1.042	0.970	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
12/31/2005	0.996	1.000	1.031	1.005	<b>1.006</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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											
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	0.997	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
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	0.996	1.008	1.006	1.006	1.000	1.000	1.000	1.000	<b>1.000</b>	1.050	
12/31/2017	0.996	1.008	1.006	1.006	1.000	1.000	1.000	1.000	<b>1.000</b>	1.048	
12/31/2018	0.996	1.008	1.006	1.006	1.000	1.000	1.000	1.000	<b>1.000</b>	1.049	
12/31/2019	0.996	1.008	1.006	1.006	1.000	1.000	1.000	1.000	<b>1.000</b>	1.094	
12/31/2020	0.996	1.008	1.006	1.006	1.000	1.000	1.000	1.000	<b>1.000</b>	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			
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	<b>1.000</b>			
12/31/2003	0.965	0.989	1.000	0.972	1.000	0.947	<b>1.000</b>	<b>1.000</b>			
12/31/2004	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
12/31/2005	1.010	0.960	1.001	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>			
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	<b>1.000</b>		1.085
12/31/2017	1.000	0.996	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		1.070
12/31/2018	1.000	0.996	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		1.197
12/31/2019	1.000	0.996	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		1.217
12/31/2020	1.000	0.996	1.000	1.000	1.000	1.000	1.000	1.000	<b>1.000</b>		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:											
<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	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										

  

<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	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	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												
<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>	<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												
<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>	<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	<b>1.000</b>
12/31/2002	1.017	1.000	1.000	1.007	1.000	<b>1.000</b>	<b>1.000</b>
12/31/2003	1.028	1.000	0.990	1.000	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>
12/31/2004	1.000	1.017	0.983	<b>0.997</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>
12/31/2005	1.270	0.964	<b>1.002</b>	<b>0.997</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>
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**

Multistate Review of ULAE Experience  
General Liability Including CMP Liability  
Loss Adjustment Expense Special Call  
Calendar Years 2016 - 2020

<u>Item *</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2016 - 2020 Mean</u>
1. Direct Losses Incurred	\$25,294,920	\$22,482,130	\$26,488,833	\$28,457,912	\$27,645,568	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$4,918,135	\$5,837,815	\$5,788,203	\$5,769,832	\$6,283,679	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$2,517,590	\$2,283,529	\$2,272,533	\$2,770,296	\$2,176,729	
4. Incurred Losses + ALAE [(1) + (2)]	\$30,213,055	\$28,319,945	\$32,277,036	\$34,227,744	\$33,929,247	
<u>Incurred Percentage</u>						
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	8.3%	8.1%	7.0%	8.1%	6.4%	7.6%
6. Selected	8.0% **					

Notes: All dollar amounts are displayed in thousands.

\* Items (1) - (4) are from the special call submissions for available writers.

\*\* 8.0% was selected due to consideration of the impact of Covid-19 in the most recent year.

## 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
QUARTER *		SALES EXPOSURE	PAYROLL EXPOSURE	QUARTER *		SALES EXPOSURE	PAYROLL EXPOSURE
		INDICES	INDICES			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 Ending	(2) Aggregate Loss Costs at Current Level	(3) Occurrences at Ultimate <sup>1</sup>	(4) Occurrence Frequency <u>(3) / (2)<sup>2</sup></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%

<sup>1</sup> Occurrences are based on reported paid amounts developed to ultimate using paid development factors.<sup>2</sup> 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			15991	1.31	98805	0.069
10352	0.53	10026	0.37	15993	0.82	98813	0.100
11039	0.63	10042	6.25	16403	2.84	98967	0.51
11258	1.79	10060	1.13	16676	0.26	99003	0.06
11259	1.79	10065	1.02	18078	2.59	99826	0.035
11288	0.71	10066	1.28	18109	0.54	99827	0.031
12374	0.59	10071	1.92	18110	0.58	99948	1.00 *
12375	0.41	10073	8.77	18206	1.98	99952	0.79
13673	0.14	10075	3.09	18335	0.29	99953	0.48
13720	0.52	10107	4.44	18506	0.110	99954	0.62
14401	0.92	10115	1.42	18507	0.14	99955	0.510
15224	0.61	10309	0.31	18708	0.40		
16900	0.74	11020	3.55	18834	2.04		
16901	1.00 *	11127	0.16	18911	0.33		
16902	0.55	11128	1.29	18912	0.54		
16905	0.64	11204	25.54	18920	0.34		
16906	0.91	11234	1.06	45819	1.23		
16910	0.47	12014	0.73	49618	0.94		
16911	0.46	12356	0.54	49619	2.19		
16915	0.45	12510	0.45	<u>CLASS GROUP 11</u>			
16916	0.53	12805	2.96				
16920	1.03	13351	1.00 *	92053	0.034		
16921	0.41	13352	0.71	92054	0.013		
16930	1.28	13506	1.23	92055	0.013		
16931	0.54	13507	2.82	95124	0.066		
16940	0.41	13716	1.89	98303	0.30		
16941	0.73	13759	2.01	98304	0.18		
18435	0.58	14101	0.80	98305	0.09		
18436	1.25	14279	1.26	98306	0.049		
18501	0.13	14913	2.58	98307	0.03		

## LOCAL PRODUCTS/COMPLETED OPERATIONS (SUBLINE CODE 336)

## CLASS GROUPS AND DIFFERENTIALS

\*Base Class

<u>CLASS GROUP 12</u>	96611	0.093	94404	2.32
91111	97447	0.34	95310	0.67
91150	97650	0.24	96408	6.77
91155	97651	0.29	96409	4.80
91340	97652	0.31	97221	0.70
91341	97653	0.20	97222	1.00 *
91342	97654	0.19	97223	1.58
91343	97655	0.28	98152	0.29
91436	98002	0.063	98157	0.19
91507	98482	0.41	98163	0.110
91551	98483	1.00 *	98164	0.038
91555	98502	0.24	98659	0.22
91560	98636	0.23	98914	0.30
91577	98677	0.66	98949	0.17
91746	98678	0.87	98993	2.04
92101	98806	0.23	99163	0.220
92102	98820	0.23	99803	4.76
92215	98884	0.14	99946	1.34
92338	99004	0.100	99969	1.42
92446	99080	0.47		
92447	99315	0.13		
92451	99321	0.15		
92478	99613	0.15		
94007	99650	0.067		
94276	99746	0.21		
94569				
95410	<u>CLASS GROUP 13</u>			
95455	91125	1.05		
95505	91127	0.66		
95625	91235	1.29		
95647	91265	1.88		
96053	91266	0.50		
96410	91280	1.49		
	94381	5.96		

## LOCAL PRODUCTS/COMPLETED OPERATIONS CREDIBILITY-WEIGHTED DIFFERENTIAL REVIEW - 2022

LOCAL PRODUCTS  
CLASS GROUP: 01

RETAIL STORES - FOOD OR DRUG

CLASS GROUP EXPERIENCE RATIO = (1)  
1.27

	(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
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  
CLASS GROUP: 02

RETAIL STORES - NOT FOOD OR DRUG

(1)  
CLASS GROUP EXPERIENCE RATIO = 1.29

	(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
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%	U 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%	L 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  
U - Upper cap

@ - (5)x(4) + (100%-(5))x(1)  
L - Lower cap

# - (6) for class / (6) for base class

## 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			
	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  
 U - Upper cap

@ - (5)x(4) + (100%-(5))x(1)  
 L - Lower cap

# - (6) for class / (6) for base class

## 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			
	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
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

 (1)  
 CLASS GROUP EXPERIENCE RATIO = 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			
	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
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	*	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			
	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
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

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TENNESSEE GL-2022-BGL1  
BASIC LIMIT LOSS COST LEVEL  
GENERAL LIABILITY OTHER THAN PROFESSIONAL  
PREMISES/OPERATIONS & PRODUCTS/COMPLETED OPERATIONS  
ACTUARIAL ANALYSIS SUPPLEMENT

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PURPOSE                      This document provides discussion and analysis of pattern shifts in the data used to derive the advisory loss costs.

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LOSS COST                      The statewide advisory loss cost level changes are:  
LEVEL CHANGES

<u>SUBLINE</u>	<u>INDICATED</u>	<u>SELECTED</u>
M&C	-14.1%	-14.1%
OL&T	+8.2%	+8.2%
Premises/Operations	-4.1%	-4.1%
Products	-11.5%	-11.5%
Local Products/Completed Operations	-13.7%	-13.7%
Products/Completed Operations	-13.2%	-13.2%
GL Overall	-6.1%	-6.1%

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

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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 6/30/2021 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.

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## CALL TO CALL COMPARISON

### Manufacturers and Contractors

The Aggregate Loss Costs at Current Level (ALCCL) increased by an average of 12.8%, 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 3.6% increase in ALCCL;
- Implemented loss cost level change (-1.2%);
- A change in exposure trend plus an additional year of trending (+9.2%);
- The effect on ALCCL due to a change in average IPMFs (-0.2%).

The Basic Limit Experience Ratios (BLERs) decreased in 2017 (-10.9%), 2018 (-16.0%), 2019 (-10.2%) and 2020 (-25.6%). This is mainly due to favorable experience across several class groups.

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### Owners, Landlords and Tenants

The Aggregate Loss Costs at Current Level (ALCCL) increased by an average of 3.4%, 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 3.2% increase in ALCCL;
- Implemented loss cost level change (-2.7%);
- A change in exposure trend plus an additional year of trending (+3.0%);
- The effect on ALCCL due to a change in average IPMFs (-0.1%).

The BLER increased in 2017 (+18.8%). This is mainly due to unfavorable experience across several class groups.

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### 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.

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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 steadily from 2017 to 2021.

The low BLERs for 2018 (0.740), 2019 (0.777), 2020 (0.710) and 2021 (0.682) are attributable to favorable experience in several class groups.

Owners, Landlords  
and Tenants

The ALCCL decreased steadily from 2017 to 2021.

The high BLER for 2017 (1.129) is attributable to unfavorable experience in several class groups. The low BLER for 2020 (0.862) is attributable to favorable 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 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 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.

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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.

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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.

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LOSS  
DEVELOPMENT  
FACTOR  
COMPARISON  
(Cont'd)

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, 39 and 51 months-to-ultimate factors which increased by 49.6%, 34.1%, 14.9% and 10.1% respectively. This can largely be attributed to higher 15-to-27, 27-to-39, 39-to-51 and 63-to-75 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.

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ALAE Development

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.

One of the primary purposes of this procedure is to produce accurate and stable developed ALAE, especially for immature accident years.

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SEVERITY TREND COMPARISON	Manufacturers and Contractors	The BI severity trend selection is +5.5%, up from +4.5% in the previous Fiscal review.
		The PD severity trend selection is +4.5%, unchanged from +4.5% in the previous Fiscal review.
		The Fringe severity trend selection is 0.0%, unchanged from 0.0% in the previous Fiscal review.
	<hr/>	
	Owners, Landlords and Tenants	The BI severity trend selection is +6.5%, up from +4.5% in the previous Fiscal review.
		The PD severity trend selection is +7.5%, up from +5.5% in the previous Fiscal review.
		The Fringe severity trend selection is 0.5%, up from 0.0% in the previous Fiscal review.
	<hr/>	
	Products	The BI severity trend selection is +3.0%, unchanged from +3.0% in the previous review.
		The PD severity trend selection is +4.5%, down from +5.5% in the previous review.
	<hr/>	
	Local Products/ Completed Ops	The BI severity trend selection is +5.5%, up from +5.0% in the previous review.
		The PD selected severity trend is +4.0%, down from +4.5% in the previous review.
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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 0.888. In the 2021 review the weighted average IPMF was 0.890.
	Owners, Landlords and Tenants	The current weighted average IPMF is 0.952. In the 2021 review the weighted average IPMF was 0.952.
	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 0.995. In the Group 3, 2021 review the multistate weighted average IPMF was 0.998.
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, Tennessee's state balanced relative change (0.955) ranks 15th lowest overall. In last year's review, Tennessee's state balanced relative change (0.990) ranked 24th lowest overall.	
CHANGE IN COMPANY MIX SINCE LAST CALL	For Manufacturers and Contractors the change in company mix results in an average increase of 3.6% in the total statewide ALCCL.	
	For Owners, Landlords and Tenants, the change in company mix results in an average increase of 3.2% 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	.085	.167	10150	.35	(a)	11204	.218	1.59	13111	1.29	.08
10011	.02	(a)	10151	8.71	—	11205	(a)	—	13112	.056	.054
10012	.024	(a)	10160	1.55	—	11206	.61	—	13201	.80	.123
10015	6.63	—	10204	.157	—	11207	7.65	—	13204	.90	.86
10020	(a)	(a)	10205	.175	—	11208	1.31	—	13205	.35	.34
10025	.02	(a)	10210	.28	(a)	11209	6.16	—	13206	(a)	(a)
10026	.45	.023	10211	.28	(a)	11210	2.62	—	13207	(a)	(a)
10027	.02	(a)	10220	3.29	—	11211	13.60	—	13208	(a)	(a)
10036	.59	(a)	10255	.22	.14	11212	2.06	—	13314	.084	.012
10040	.065	.32	10256	.81	.198	11213	1.68	—	13351	.204	.062
10042	.26	.39	10257	.152	.146	11214	4.14	—	13352	.207	.044
10052	4.59	—	10309	.113	.019	11222	.07	—	13410	1.27	1.66
10054	4.07	—	10315	.27	(a)	11234	.197	.066	13411	(a)	(a)
10060	.124	.082	10331	9.00	—	11248	.042	.013	13412	.43	1.19
10065	.186	.058	10332	15.50	—	11258	1.39	.187	13453	.49	(a)
10066	.189	.08	10352	.67	.055	11259	1.50	.128	13454	.58	(a)
10070	.049	.134	10367	3.51	—	11273	9.75	—	13455	.59	(a)
10071	.222	.121	10368	5.13	—	11274	9.35	—	13461	(a)	(a)
10072	3.97	—	10375	(a)	—	11288	1.71	.074	13506	.64	.076
10073	.92	.55	10378	9.11	—	12014	.09	.045	13507	.77	.175
10075	6.86	.198	10379	4.23	—	12356	.83	.034	13590	.44	.61
10100	1.16	.054	10380	7.22	—	12361	.066	.066	13621	.11	.34
10101	.167	.16	10381	6.25	—	12362	.054	(a)	13670	.037	.018
10105	1.81	—	11007	1.49	—	12373	.02	.022	13673	1.06	.015
10107	2.83	.28	11020	.211	.221	12374	.43	.062	13715	.054	.111
10110	22.60	—	11039	.80	.066	12375	.211	.036	13716	.32	.117
10111	.107	.059	11052	4.91	—	12391	.04	.059	13720	.60	.054
10113	.25	—	11101	(a)	(a)	12393	.28	(a)	13759	.124	.125
10115	.50	.088	11120	(a)	—	12467	.116	(a)	13930	.114	.147
10117	6.59	—	11126	.044	.023	12509	.055	.026	14068	.027	.01
10119	(a)	—	11127	.27	.01	12510	.70	.028	14101	.32	.05
10120	14.80	—	11128	.37	.081	12583	.31	(a)	14279	.42	.078
10130	2.47	—	11138	2.25	—	12651	.90	.45	14401	1.41	.085
10132	2.13	—	11155	.149	—	12683	.41	(a)	14405	.88	—
10133	4.72	—	11160	(a)	(a)	12707	.35	.48	14527	.219	.169
10135	(a)	—	11167	1.13	—	12797	.074	.177	14655	.062	—
10140	.03	.02	11168	5.87	—	12805	.226	.184	14731	4.87	—
10141	.061	.021	11201	13.10	—	12841	.37	—	14732	.36	—
10145	.29	.011	11202	3.86	—	12927	.066	—	14733	.43	—
10146	.52	.017	11203	.63	.38	13049	.034	.044	14734	.186	—

## 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	.194	.11	16670	3.73	—	18501	1.12	.013	40072	(a)	—
14913	.233	.16	16676	.207	.016	18506	.39	.007	40075	70.40	—
15060	(a)	(a)	16694	.37	(a)	18507	.131	.009	40101	15.60	—
15061	(a)	(a)	16705	.171	.113	18570	1.37	—	40102	13.80	—
15062	.174	(a)	16722	(a)	—	18575	(a)	(a)	40111	7.33	—
15063	.203	(a)	16723	(a)	—	18616	.30	.49	40115	(a)	—
15070	.118	—	16750	.073	.035	18707	.008	.006	40117	(a)	—
15119	(a)	—	16751	.073	—	18708	.08	.025	40140	(a)	—
15120	(a)	—	16819	1.05	(a)	18833	.096	(a)	41001	.247	—
15123	4.71	—	16820	.81	(a)	18834	.207	.127	41210	(a)	—
15124	1.65	—	16881	1.14	(a)	18911	.66	.021	41421	.50	—
15188	.31	(a)	16890	.123	(a)	18912	1.23	.034	41422	.27	—
15223	.044	.039	16891	.134	(a)	18920	.32	.021	41510	32.90	—
15224	.63	.064	16892	.244	(a)	18991	(a)	—	41603	23.80	—
15300	(a)	—	16900	2.52	.077	19007	1.84	—	41604	13.10	—
15314	.149	(a)	16901	1.61	.104	19051	4.08	—	41620	1.09	—
15404	.079	(a)	16902	1.37	.057	19061	(a)	—	41650	33.50	—
15405	.117	(a)	16905	2.64	.067	19795	.215	(a)	41664	31.30	—
15406	.30	.056	16906	1.69	.095	19796	.25	—	41665	3.67	—
15488	.74	(a)	16910	1.51	.049	40005	(a)	—	41666	(a)	—
15538	.27	.018	16911	1.37	.048	40006	(a)	—	41667	85.60	—
15600	.67	.104	16915	1.55	.047	40010	(a)	—	41668	80.20	—
15607	.154	—	16916	1.29	.055	40015	(a)	—	41669	.56	—
15608	.149	.011	16920	3.43	.107	40020	(a)	—	41670	.94	—
15656	4.41	—	16921	3.13	.043	40026	(a)	—	41672	(a)	—
15699	.38	—	16930	1.97	.144	40031	(a)	—	41673	(a)	—
15733	.194	.03	16931	2.13	.061	40032	(a)	—	41675	(a)	—
15839	.20	.03	16940	4.28	.043	40040	(a)	—	41677	.226	—
15991	.164	.081	16941	1.72	.076	40041	(a)	—	41678	55.30	—
15993	.138	.051	18078	.097	.161	40042	(a)	—	41679	(a)	(a)
16005	.028	.03	18109	.27	.034	40045	207.00	—	41680	17.40	—
16009	.238	.111	18110	.218	.038	40046	40.90	—	41696	.71	—
16402	.99	—	18200	(a)	—	40047	14.60	—	41697	.50	—
16403	.63	.177	18205	.15	.39	40059	5.22	—	41700	(a)	—
16404	.79	—	18206	.35	.123	40061	2.77	—	41715	11.10	—
16471	.217	—	18335	.25	.018	40063	92.60	—	41716	7.04	—
16501	.06	(a)	18435	1.23	.06	40064	27.20	—	43007	(a)	—
16527	.092	.27	18436	.99	.13	40066	(a)	—	43117	(a)	—
16588	.11	(a)	18437	.36	(a)	40067	(a)	—	43151	35.00	—
16604	.185	.10	18438	.70	(a)	40069	(a)	—	43152	16.50	—

\$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	133.00	—	44112	2.55	—	45771	.35	.131	47254	(a)	—
43215	(a)	—	44113	(a)	—	45819	.112	.076	47318	8.73	—
43421	36.50	—	44193	(a)	—	45900	.076	.045	47367	.226	—
43422	192.00	—	44194	(a)	—	45901	.066	.039	47420	1.91	—
43424	(a)	—	44222	(a)	—	45937	.30	—	47468	(a)	—
43470	4.16	—	44276	179.00	—	45993	(a)	(a)	47469	5.03	—
43517	(a)	—	44277	116.00	—	46004	31.90	—	47471	4.36	—
43518	13.40	—	44280	.226	—	46005	25.50	—	47473	5.70	—
43550	130.00	—	44311	6.93	—	46112	.061	—	47474	6.37	—
43551	72.30	—	44315	4.66	—	46202	5.78	—	47475	5.03	—
43626	10.70	—	44427	56.30	—	46362	193.00	—	47476	5.03	—
43628	139.00	—	44428	56.60	—	46426	28.20	—	47477	6.71	—
43629	118.00	—	44429	.85	—	46427	37.60	—	47478	7.04	—
43754	(a)	—	44430	.59	—	46510	(a)	—	47600	(a)	—
43760	3.94	—	44431	1.89	—	46590	(a)	—	47610	(a)	—
43822	3.31	—	44432	.60	—	46603	2.37	—	48039	94.50	—
43840	.041	—	44433	19.00	—	46604	2.73	—	48177	(a)	—
43860	2.60	—	44434	36.40	—	46606	7.27	—	48178	(a)	—
43889	.93	—	44435	37.70	—	46607	10.00	—	48206	28.40	—
43945	(a)	—	44436	44.10	—	46622	9.66	—	48252	(a)	—
43946	(a)	—	44437	36.50	—	46671	(a)	—	48441	.119	—
43990	(a)	(a)	44438	28.90	—	46700	268.00	—	48557	11.90	—
43991	(a)	—	44439	56.20	—	46773	(a)	—	48558	10.40	—
44009	5.74	—	44440	46.50	—	46822	(a)	—	48600	56.40	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	11.50	—	44501	(a)	—	46882	(a)	—	48636	.73	(a)
44070	3.40	—	45190	4.55	—	46911	21.20	—	48637	9.11	—
44071	3.78	—	45191	3.23	—	46912	38.90	—	48638	4.52	—
44072	2.61	—	45192	3.78	—	46913	(a)	—	48727	(a)	—
44100	7.66	—	45193	2.23	—	46914	(a)	—	48808	1.13	—
44101	7.98	—	45210	2.82	—	46915	(a)	—	48924	(a)	—
44102	6.22	—	45224	(a)	—	46916	(a)	—	48925	218.00	—
44103	5.51	—	45225	(a)	—	47050	.90	—	49005	.154	—
44104	2.31	—	45334	76.80	—	47051	(a)	—	49111	1.73	—
44105	(a)	—	45380	.227	(a)	47052	(a)	—	49181	30.90	—
44106	(a)	—	45450	22.60	—	47103	(a)	—	49183	37.60	—
44108	2.71	—	45523	(a)	—	47146	(a)	—	49184	79.40	—
44109	6.86	—	45524	(a)	—	47147	(a)	—	49185	72.30	—
44110	7.02	—	45539	(a)	—	47221	294.00	—	49239	.17	.36
44111	4.31	—	45678	.244	—	47253	(a)	—	49292	2.26	—

## 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	.132	.215	51702	.069	(a)	51986	.064	.082
49333	16.60	—	51241	.39	.24	51703	.028	(a)	51999	.027	.32
49451	(a)	—	51250	.115	(a)	51734	.053	.43	52002	.024	.104
49452	(a)	—	51251	.011	(a)	51741	.069	.26	52075	.085	.197
49617	.39	.185	51252	.04	.061	51752	.058	.141	52076	.102	(a)
49618	.33	.065	51253	.034	(a)	51767	.018	.007	52109	.006	(a)
49619	.61	.136	51254	.011	.025	51777	.063	.058	52134	.08	.56
49763	3.98	—	51255	.29	(a)	51790	.105	(a)	52137	.033	(a)
49800	(a)	—	51300	.087	.127	51796	.025	(a)	52150	.147	(a)
49801	259.00	—	51305	.087	.76	51808	.089	.53	52315	.082	.27
49802	23.00	—	51315	.11	.08	51809	.111	.173	52341	.021	(a)
49803	40.70	—	51330	.044	.82	51833	.094	.051	52342	.06	(a)
49840	.93	—	51333	.015	.28	51850	.107	(a)	52343	.037	(a)
49870	91.10	—	51340	.011	(a)	51851	.073	(a)	52401	.114	(a)
49890	(a)	—	51350	.146	.115	51852	.17	(a)	52402	.006	(a)
49891	(a)	—	51351	.13	.045	51853	.069	(a)	52432	.03	(a)
49902	(a)	—	51352	.179	.09	51854	.154	(a)	52433	.027	.65
49903	(a)	—	51355	.122	.082	51855	.161	(a)	52435	.034	(a)
50010	.064	.33	51356	.131	.47	51856	.089	(a)	52438	.025	(a)
50011	.04	(a)	51357	.156	.95	51857	.152	(a)	52440	.039	(a)
50012	.024	(a)	51358	.38	.111	51869	.03	.138	52467	.036	(a)
50015	.042	(a)	51359	.33	.62	51877	.166	.156	52469	.013	.085
50017	.032	(a)	51370	.129	2.69	51889	.027	.01	52505	.062	.195
50018	.037	(a)	51380	.013	.039	51896	.013	.017	52547	.098	.058
50019	.017	(a)	51400	.104	(a)	51900	.07	.098	52581	.30	1.80
50045	.073	(a)	51401	.153	(a)	51909	.097	.048	52619	.021	(a)
50047	.008	(a)	51500	.024	.145	51919	.028	(a)	52660	.08	—
51001	.025	.38	51516	.068	—	51926	.028	.041	52744	.36	.052
51005	.005	(a)	51517	.077	—	51927	.015	.10	52767	.09	(a)
51116	.063	.64	51550	.03	.42	51934	.031	.082	52876	(a)	(a)
51201	.011	(a)	51551	.01	.83	51941	.028	.034	52911	.017	.42
51205	.033	.046	51552	.018	.137	51942	.045	—	52967	.006	.052
51206	.005	.37	51553	.032	(a)	51956	.121	.14	53001	.062	.241
51210	.044	(a)	51554	.003	(a)	51957	.106	.37	53077	.03	.204
51211	(a)	(a)	51575	.039	.023	51958	.095	.31	53095	.021	(a)
51220	.15	1.48	51576	.058	.101	51959	.097	(a)	53096	.029	(a)
51221	.083	1.47	51600	.039	.194	51960	.013	.30	53121	.081	.46
51222	.101	4.76	51613	.026	.141	51970	.056	.138	53147	.015	(a)
51224	.106	1.17	51625	.023	(a)	51982	.016	.068	53229	.085	(a)
51230	.018	.64	51666	.062	.085	51985	.063	—	53271	.015	(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	.084	.249	55715	.064	.169	56918	.034	(a)	58096	.057	1.35
53374	.095	.191	55716	.092	.41	56919	.087	(a)	58301	.027	.086
53375	.05	.31	55717	.114	(a)	56920	.079	(a)	58302	.015	.042
53376	.081	.159	55718	.111	(a)	56980	.032	(a)	58397	.089	.45
53377	.083	.172	55802	.063	.013	57001	.011	.023	58408	.053	–
53403	.052	(a)	55918	.037	1.76	57002	.007	.08	58409	.068	–
53425	.079	(a)	55919	.005	2.95	57090	.127	.83	58456	.036	–
53565	.061	.081	56040	.003	.028	57146	.08	.64	58457	.052	–
53631	.009	.019	56041	.023	(a)	57202	.028	(a)	58458	.068	–
53632	.011	.029	56042	.029	(a)	57257	.035	.042	58459	.081	–
53731	.01	(a)	56170	.078	(a)	57401	.02	.079	58503	.024	.08
53732	.068	.45	56171	.038	(a)	57403	.129	.03	58532	.031	(a)
53733	.044	.177	56202	.023	.063	57410	.01	.164	58559	.006	(a)
53734	.41	–	56390	.04	.64	57411	.019	(a)	58560	.015	(a)
53803	.188	(a)	56391	.034	.25	57572	.006	.094	58561	(a)	(a)
53901	(a)	(a)	56427	.055	.107	57600	.017	.03	58575	.019	.098
53902	(a)	(a)	56488	.105	.042	57611	.042	.044	58627	.062	.011
53903	(a)	(a)	56567	.08	(a)	57625	.147	(a)	58663	.178	.65
53904	(a)	(a)	56650	.246	(a)	57651	.018	.037	58682	.055	(a)
53905	(a)	(a)	56651	.134	(a)	57690	.054	.38	58713	.04	(a)
53907	.03	.078	56652	.096	(a)	57716	.026	.08	58737	.04	.49
53951	(a)	(a)	56653	.092	(a)	57725	.056	.083	58756	.033	(a)
53952	(a)	(a)	56654	.047	(a)	57726	.044	.025	58757	.136	(a)
53953	(a)	(a)	56690	.054	.31	57798	.009	(a)	58759	.017	(a)
54012	.041	–	56699	.025	.078	57800	.034	(a)	58802	.019	.39
54077	.041	.36	56758	.021	.123	57808	.021	(a)	58813	.082	(a)
54444	(a)	(a)	56759	.022	.07	57809	.022	(a)	58822	.052	(a)
55010	.123	.76	56760	.032	.087	57810	.021	.09	58837	.164	.155
55011	.033	2.01	56805	.042	(a)	57871	.026	.091	58840	.049	.11
55012	.04	.92	56806	.029	(a)	57913	.044	.206	58873	.078	.021
55013	.071	1.13	56807	.029	(a)	57997	.09	–	58903	.012	(a)
55014	(a)	(a)	56808	.038	(a)	57998	.019	.047	58904	.009	.108
55214	.032	.075	56900	.037	(a)	57999	.035	.065	58922	.13	.189
55371	.243	.096	56910	.018	(a)	58009	.035	(a)	59005	.023	.063
55410	(a)	(a)	56911	.069	(a)	58010	.045	(a)	59057	.168	(a)
55426	.087	(a)	56912	.056	.089	58020	.138	(a)	59058	.109	(a)
55597	.008	1.45	56913	.046	(a)	58056	.054	(a)	59188	.27	.047
55647	.016	.065	56915	.27	(a)	58057	.034	(a)	59189	.38	.25
55648	.007	(a)	56916	.245	.26	58058	.03	(a)	59223	.081	.128
55649	.009	(a)	56917	.071	(a)	58095	.043	1.22	59257	.006	.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	.038	(a)	59923	.004	.006	62003	14.90	—	91125	2.57	1.92
59378	.053	.124	59925	.34	1.15	63010	35.60	—	91127	2.41	1.21
59481	.103	.096	59926	.29	.46	63011	44.50	—	91130	1.25	—
59482	.29	(a)	59927	.194	1.10	63012	63.20	—	91135	.35	(a)
59537	.057	.219	59931	.08	.37	63013	59.90	—	91150	2.27	5.47
59601	.039	1.80	59932	.086	.69	63215	49.30	—	91155	5.05	27.80
59647	.128	.141	59941	.027	(a)	63216	34.20	—	91160	1.03	—
59660	.072	.83	59947	.036	.26	63217	41.50	—	91175	.89	—
59661	.035	(a)	59955	.01	.114	63218	14.00	—	91177	3.88	—
59693	.006	—	59963	.076	.32	63219	(a)	—	91179	3.90	—
59695	(a)	(a)	59964	.178	.059	63220	(a)	—	91190	2.09	(a)
59701	.003	.38	59970	.048	.147	64074	32.10	—	91200	.72	—
59713	.064	.30	59973	.049	(a)	64075	22.60	—	91210	(a)	—
59722	.033	.023	59975	.068	.13	64500	(a)	—	91235	2.78	2.36
59723	.013	.03	59977	.039	(a)	65007	30.00	—	91250	4.18	(a)
59724	.019	.016	59984	.013	.041	66122	12.90	—	91265	15.30	2.33
59725	.024	.126	59985	.053	(a)	66123	7.10	—	91266	8.10	.92
59726	.017	.023	59986	.04	(a)	66309	20.70	—	91280	(a)	2.73
59738	.055	.052	59988	.017	.05	66561	48.00	—	91302	16.20	(a)
59750	.042	.141	59989	.007	.037	67017	44.60	—	91315	4.93	—
59751	.015	(a)	60010	19.80	—	67508	40.20	—	91324	11.00	(a)
59773	.016	.023	60011	22.70	—	67509	29.50	—	91325	(a)	(a)
59774	.013	.127	60012	37.30	—	67510	16.40	—	91340	7.16	8.04
59775	.017	.156	60013	32.00	—	67511	17.80	—	91341	4.45	4.18
59781	.037	.065	60015	23.90	—	67512	76.10	—	91342	6.57	3.86
59782	.055	.62	60016	26.90	—	67513	48.30	—	91343	.98	1.56
59783	.053	(a)	60035	33.80	—	67634	38.60	—	91405	8.34	—
59784	.041	(a)	61000	19.60	—	67635	27.30	—	91436	5.04	2.25
59790	.043	(a)	61212	17.30	—	68001	83.30	—	91481	18.40	—
59798	.139	.33	61216	19.20	—	68439	107.00	—	91507	2.71	3.22
59806	.10	(a)	61217	17.40	—	68500	4.35	—	91523	41.80	—
59867	.048	(a)	61218	11.90	—	68604	2.00	—	91547	.238	—
59886	.007	.087	61223	84.70	—	68606	7.83	—	91551	1.47	.74
59889	.053	.192	61224	27.00	—	68607	6.18	—	91555	1.67	1.05
59892	.053	(a)	61225	37.50	—	68702	5.10	—	91560	4.48	4.66
59904	.036	.088	61226	63.10	—	68703	3.82	—	91562	3.28	—
59905	.03	.112	61227	57.70	—	68706	16.40	—	91577	11.70	3.38
59914	.177	.65	62000	13.10	—	68707	16.20	—	91580	5.91	—
59915	.12	.53	62001	10.40	—	90089	4.26	—	91581	(a)	(a)
59917	.022	.222	62002	4.73	—	91111	3.58	5.95	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	2.78	2.90	98308	1.13	1.06
91584	(a)	(a)	94569	2.90	4.18	97308	.63	—	98309	5.37	2.33
91585	(a)	(a)	94590	12.50	—	97447	2.06	5.47	98344	1.12	.80
91586	(a)	(a)	94617	3.95	—	97501	(a)	—	98405	1.84	—
91587	(a)	(a)	94638	(a)	—	97502	(a)	—	98413	14.20	(a)
91588	(a)	(a)	95124	1.46	1.37	97503	(a)	—	98414	13.00	(a)
91589	(a)	(a)	95233	3.12	—	97504	(a)	—	98415	1.71	(a)
91590	3.41	—	95305	3.39	—	97650	3.61	3.86	98423	4.07	(a)
91591	(a)	(a)	95306	4.92	—	97651	6.09	4.66	98424	6.91	(a)
91606	12.30	—	95310	8.10	1.23	97652	5.28	4.99	98425	2.84	(a)
91618	(a)	(a)	95357	1.25	—	97653	3.09	3.22	98426	2.50	(a)
91629	2.51	(a)	95358	(a)	—	97654	5.39	3.06	98427	2.44	—
91636	4.30	—	95410	4.37	2.89	97655	4.70	4.50	98428	(a)	—
91641	1.16	(a)	95455	5.19	1.77	98002	.85	1.01	98429	1.12	—
91666	.92	(a)	95487	2.35	(a)	98003	.97	(a)	98430	(a)	—
91722	3.76	(a)	95505	2.42	2.25	98090	.13	—	98449	3.50	27.10
91746	3.28	5.95	95620	1.90	(a)	98091	.141	—	98482	3.76	6.59
91805	.206	—	95625	7.75	3.86	98092	.43	—	98483	5.55	16.10
92053	.51	.72	95630	(a)	(a)	98111	.70	—	98502	5.31	3.86
92054	.174	.27	95647	3.34	5.95	98150	(a)	—	98555	2.47	—
92055	4.86	.26	95648	(a)	(a)	98151	(a)	—	98597	.55	—
92101	7.61	3.22	96053	2.54	4.50	98152	2.86	.53	98598	.19	—
92102	4.58	3.54	96317	1.30	—	98153	3.22	(a)	98601	6.35	(a)
92215	3.98	3.22	96408	3.79	12.40	98154	3.80	(a)	98622	(a)	—
92338	1.76	2.09	96409	3.50	8.80	98155	5.33	(a)	98623	(a)	—
92445	2.46	—	96410	3.07	8.84	98156	(a)	(a)	98624	1.00	—
92446	5.78	1.92	96611	1.64	1.50	98157	3.40	.35	98636	3.41	3.70
92447	5.05	1.59	96702	4.36	(a)	98158	(a)	(a)	98640	110.00	—
92451	2.78	2.41	96703	(a)	—	98159	2.28	(a)	98658	5.51	—
92453	3.20	—	96816	4.09	—	98160	4.83	(a)	98659	.98	.40
92478	1.58	1.77	96872	4.61	(a)	98161	5.42	(a)	98677	17.30	10.60
92593	36.50	—	96930	(a)	—	98162	(a)	(a)	98678	15.30	14.00
92663	.58	—	97002	(a)	(a)	98163	5.68	.202	98698	(a)	(a)
94007	10.90	5.15	97003	(a)	(a)	98164	2.34	.07	98699	4.99	(a)
94099	2.47	—	97047	4.99	—	98257	1.46	—	98705	7.79	—
94225	8.70	—	97050	3.88	—	98303	10.70	6.34	98710	3.47	—
94276	4.53	4.50	97111	5.23	—	98304	5.40	3.81	98751	4.16	—
94304	3.54	(a)	97220	.34	(a)	98305	4.01	1.90	98805	4.53	1.46
94381	6.66	10.90	97221	(a)	1.28	98306	10.30	1.04	98806	3.18	3.70
94404	4.29	4.25	97222	1.84	1.83	98307	1.71	.51	98810	5.65	—

## 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
98813	5.45	2.11	99620	.48	—						
98820	8.65	3.70	99650	1.50	1.08						
98871	(a)	(a)	99709	3.71	(a)						
98884	2.25	2.25	99718	1.39	—						
98914	.67	.55	99746	2.36	3.38						
98949	.94	.31	99760	.27	—						
98967	3.53	10.80	99777	9.79	—						
98993	6.52	3.74	99793	2.99	—						
99003	1.68	1.29	99798	(a)	(a)						
99004	4.53	1.61	99803	(a)	8.72						
99080	1.19	7.56	99826	1.12	.74						
99081	(a)	—	99827	.43	.66						
99082	(a)	—	99851	1.74	—						
99083	(a)	—	99917	2.82	—						
99084	(a)	(a)	99938	3.17	—						
99085	(a)	(a)	99943	9.19	—						
99111	1.73	—	99946	6.85	2.46						
99160	(a)	—	99948	7.86	21.10						
99163	4.12	.40	99952	8.28	16.70						
99165	.90	(a)	99953	8.93	10.10						
99220	1.48	(a)	99954	6.50	12.70						
99221	(a)	(a)	99955	8.15	9.16						
99222	2.78	(a)	99963	.68	—						
99223	.25	(a)	99969	2.69	2.60						
99303	13.80	—	99975	7.23	—						
99310	3.45	(a)	99986	(a)	—						
99315	10.20	2.09	99987	(a)	—						
99321	9.86	2.41	99988	2.37	—						
99445	(a)	(a)									
99471	.67	—									
99505	5.52	—									
99506	6.79	—									
99507	5.92	—									
99570	3.18	(a)									
99571	.77	(a)									
99572	1.50	(a)									
99573	1.44	(a)									
99600	1.97	—									
99613	8.73	2.41									
99614	4.40	—									

\$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	.112	.167	10150	.43	(a)	11204	.27	1.59	13111	1.28	.08
10011	.027	(a)	10151	10.70	—	11205	(a)	—	13112	.059	.054
10012	.031	(a)	10160	1.91	—	11206	.66	—	13201	.95	.123
10015	5.50	—	10204	.193	—	11207	8.32	—	13204	1.07	.86
10020	(a)	(a)	10205	.215	—	11208	1.43	—	13205	.41	.34
10025	.027	(a)	10210	.35	(a)	11209	6.70	—	13206	(a)	(a)
10026	.56	.023	10211	.35	(a)	11210	2.85	—	13207	(a)	(a)
10027	.027	(a)	10220	4.05	—	11211	14.80	—	13208	(a)	(a)
10036	.70	(a)	10255	.26	.14	11212	2.24	—	13314	.103	.012
10040	.085	.32	10256	.95	.198	11213	1.83	—	13351	.25	.062
10042	.32	.39	10257	.18	.146	11214	4.50	—	13352	.26	.044
10052	3.81	—	10309	.139	.019	11222	.076	—	13410	1.50	1.66
10054	3.38	—	10315	.33	(a)	11234	.242	.066	13411	(a)	(a)
10060	.152	.082	10331	7.46	—	11248	.05	.013	13412	.51	1.19
10065	.229	.058	10332	12.90	—	11258	1.38	.187	13453	.58	(a)
10066	.233	.08	10352	.67	.055	11259	1.48	.128	13454	.68	(a)
10070	.064	.134	10367	3.82	—	11273	12.00	—	13455	.69	(a)
10071	.27	.121	10368	5.58	—	11274	11.50	—	13461	(a)	(a)
10072	4.32	—	10375	(a)	—	11288	1.69	.074	13506	.79	.076
10073	1.09	.55	10378	7.55	—	12014	.107	.045	13507	.95	.175
10075	8.12	.198	10379	3.51	—	12356	1.02	.034	13590	.52	.61
10100	1.15	.054	10380	5.99	—	12361	.07	.066	13621	.13	.34
10101	.206	.16	10381	5.19	—	12362	.07	(a)	13670	.039	.018
10105	2.23	—	11007	1.62	—	12373	.027	.022	13673	1.05	.015
10107	3.35	.28	11020	.26	.221	12374	.53	.062	13715	.07	.111
10110	18.70	—	11039	.95	.066	12375	.26	.036	13716	.39	.117
10111	.14	.059	11052	4.66	—	12391	.053	.059	13720	.59	.054
10113	.31	—	11101	(a)	(a)	12393	.35	(a)	13759	.152	.125
10115	.61	.088	11120	(a)	—	12467	.143	(a)	13930	.15	.147
10117	5.47	—	11126	.054	.023	12509	.065	.026	14068	.034	.01
10119	(a)	—	11127	.36	.01	12510	.83	.028	14101	.39	.05
10120	12.30	—	11128	.48	.081	12583	.37	(a)	14279	.50	.078
10130	3.04	—	11138	1.87	—	12651	1.07	.45	14401	1.39	.085
10132	2.62	—	11155	.184	—	12683	.49	(a)	14405	.95	—
10133	4.48	—	11160	(a)	(a)	12707	.46	.48	14527	.29	.169
10135	(a)	—	11167	1.07	—	12797	.097	.177	14655	.076	—
10140	.032	.02	11168	5.56	—	12805	.28	.184	14731	4.62	—
10141	.064	.021	11201	14.20	—	12841	.46	—	14732	.34	—
10145	.31	.011	11202	4.20	—	12927	.081	—	14733	.53	—
10146	.51	.017	11203	.83	.38	13049	.036	.044	14734	.229	—

## 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
14855	.229	.11	16670	3.10	—	18501	1.11	.013	40072	(a)	—
14913	.29	.16	16676	.26	.016	18506	.46	.007	40075	35.10	—
15060	(a)	(a)	16694	.43	(a)	18507	.161	.009	40101	13.30	—
15061	(a)	(a)	16705	.225	.113	18570	1.68	—	40102	11.80	—
15062	.206	(a)	16722	(a)	—	18575	(a)	(a)	40111	6.08	—
15063	.24	(a)	16723	(a)	—	18616	.35	.49	40115	(a)	—
15070	.128	—	16750	.09	.035	18707	.011	.006	40117	(a)	—
15119	(a)	—	16751	.09	—	18708	.099	.025	40140	(a)	—
15120	(a)	—	16819	1.25	(a)	18833	.126	(a)	41001	.205	—
15123	4.46	—	16820	.96	(a)	18834	.26	.127	41210	(a)	—
15124	1.56	—	16881	1.40	(a)	18911	.81	.021	41421	.55	—
15188	.36	(a)	16890	.146	(a)	18912	1.52	.034	41422	.29	—
15223	.046	.039	16891	.159	(a)	18920	.39	.021	41510	40.60	—
15224	.62	.064	16892	.29	(a)	18991	(a)	—	41603	25.90	—
15300	(a)	—	16900	2.42	.077	19007	1.75	—	41604	14.20	—
15314	.184	(a)	16901	1.55	.104	19051	3.87	—	41620	1.19	—
15404	.094	(a)	16902	1.32	.057	19061	(a)	—	41650	36.50	—
15405	.138	(a)	16905	2.55	.067	19795	.26	(a)	41664	26.00	—
15406	.35	.056	16906	1.63	.095	19796	.31	—	41665	3.04	—
15488	.88	(a)	16910	1.45	.049	40005	(a)	—	41666	(a)	—
15538	.33	.018	16911	1.32	.048	40006	(a)	—	41667	71.00	—
15600	.82	.104	16915	1.49	.047	40010	(a)	—	41668	66.50	—
15607	.167	—	16916	1.24	.055	40015	(a)	—	41669	.47	—
15608	.184	.011	16920	3.30	.107	40020	(a)	—	41670	.78	—
15656	5.43	—	16921	3.02	.043	40026	(a)	—	41672	(a)	—
15699	.41	—	16930	1.90	.144	40031	(a)	—	41673	(a)	—
15733	.229	.03	16931	2.05	.061	40032	(a)	—	41675	(a)	—
15839	.246	.03	16940	4.12	.043	40040	(a)	—	41677	.246	—
15991	.202	.081	16941	1.65	.076	40041	(a)	—	41678	42.20	—
15993	.17	.051	18078	.128	.161	40042	(a)	—	41679	(a)	(a)
16005	.037	.03	18109	.34	.034	40045	172.00	—	41680	19.00	—
16009	.28	.111	18110	.27	.038	40046	33.90	—	41696	.78	—
16402	1.22	—	18200	(a)	—	40047	12.10	—	41697	.54	—
16403	.77	.177	18205	.197	.39	40059	4.33	—	41700	(a)	—
16404	.97	—	18206	.43	.123	40061	2.29	—	41715	12.00	—
16471	.236	—	18335	.31	.018	40063	76.80	—	41716	7.67	—
16501	.079	(a)	18435	1.21	.06	40064	22.60	—	43007	(a)	—
16527	.121	.27	18436	.98	.13	40066	(a)	—	43117	(a)	—
16588	.13	(a)	18437	.45	(a)	40067	(a)	—	43151	17.50	—
16604	.219	.10	18438	.86	(a)	40069	(a)	—	43152	12.60	—

\$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	66.50	—	44112	3.31	—	45771	.41	.131	47254	(a)	—
43215	(a)	—	44113	(a)	—	45819	.133	.076	47318	7.24	—
43421	18.20	—	44193	(a)	—	45900	.094	.045	47367	.246	—
43422	95.50	—	44194	(a)	—	45901	.081	.039	47420	1.59	—
43424	(a)	—	44222	(a)	—	45937	.15	—	47468	(a)	—
43470	4.52	—	44276	89.20	—	45993	(a)	(a)	47469	5.48	—
43517	(a)	—	44277	57.80	—	46004	34.70	—	47471	4.75	—
43518	11.10	—	44280	.246	—	46005	27.70	—	47473	6.21	—
43550	64.90	—	44311	5.75	—	46112	.052	—	47474	6.94	—
43551	36.00	—	44315	3.86	—	46202	2.63	—	47475	5.48	—
43626	8.90	—	44427	48.20	—	46362	147.00	—	47476	5.48	—
43628	116.00	—	44428	48.40	—	46426	21.50	—	47477	7.30	—
43629	98.00	—	44429	.73	—	46427	28.80	—	47478	7.67	—
43754	(a)	—	44430	.50	—	46510	(a)	—	47600	(a)	—
43760	3.26	—	44431	1.61	—	46590	(a)	—	47610	(a)	—
43822	3.60	—	44432	.51	—	46603	1.81	—	48039	47.10	—
43840	.044	—	44433	16.30	—	46604	2.09	—	48177	(a)	—
43860	2.83	—	44434	31.20	—	46606	5.56	—	48178	(a)	—
43889	1.01	—	44435	32.30	—	46607	7.64	—	48206	23.50	—
43945	(a)	—	44436	37.70	—	46622	10.50	—	48252	(a)	—
43946	(a)	—	44437	31.20	—	46671	(a)	—	48441	.099	—
43990	(a)	(a)	44438	24.70	—	46700	134.00	—	48557	9.89	—
43991	(a)	—	44439	48.00	—	46773	(a)	—	48558	8.60	—
44009	5.44	—	44440	39.70	—	46822	(a)	—	48600	43.10	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	9.51	—	44501	(a)	—	46882	(a)	—	48636	.65	(a)
44070	2.82	—	45190	2.07	—	46911	17.60	—	48637	7.55	—
44071	3.13	—	45191	1.47	—	46912	32.30	—	48638	3.75	—
44072	2.16	—	45192	1.72	—	46913	(a)	—	48727	(a)	—
44100	9.93	—	45193	1.01	—	46914	(a)	—	48808	1.39	—
44101	10.30	—	45210	1.28	—	46915	(a)	—	48924	(a)	—
44102	8.07	—	45224	(a)	—	46916	(a)	—	48925	181.00	—
44103	7.14	—	45225	(a)	—	47050	.98	—	49005	.167	—
44104	3.00	—	45334	38.30	—	47051	(a)	—	49111	2.12	—
44105	(a)	—	45380	.27	(a)	47052	(a)	—	49181	15.40	—
44106	(a)	—	45450	11.30	—	47103	(a)	—	49183	18.80	—
44108	3.52	—	45523	(a)	—	47146	(a)	—	49184	39.60	—
44109	8.90	—	45524	(a)	—	47147	(a)	—	49185	36.00	—
44110	9.11	—	45539	(a)	—	47221	147.00	—	49239	.201	.36
44111	5.59	—	45678	.27	—	47253	(a)	—	49292	1.13	—

## 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	.24	.215	51702	.061	(a)	51986	.117	.082
49333	8.26	—	51241	.71	.24	51703	.025	(a)	51999	.049	.32
49451	(a)	—	51250	.103	(a)	51734	.048	.43	52002	.043	.104
49452	(a)	—	51251	.021	(a)	51741	.125	.26	52075	.076	.197
49617	.37	.185	51252	.072	.061	51752	.105	.141	52076	.091	(a)
49618	.31	.065	51253	.062	(a)	51767	.018	.007	52109	.011	(a)
49619	.58	.136	51254	.019	.025	51777	.062	.058	52134	.144	.56
49763	3.77	—	51255	.26	(a)	51790	.103	(a)	52137	.03	(a)
49800	(a)	—	51300	.085	.127	51796	.045	(a)	52150	.27	(a)
49801	129.00	—	51305	.085	.76	51808	.161	.53	52315	.081	.27
49802	11.50	—	51315	.13	.08	51809	.20	.173	52341	.019	(a)
49803	20.30	—	51330	.04	.82	51833	.093	.051	52342	.054	(a)
49840	1.01	—	51333	.013	.28	51850	.096	(a)	52343	.033	(a)
49870	75.60	—	51340	.02	(a)	51851	.065	(a)	52401	.102	(a)
49890	(a)	—	51350	.143	.115	51852	.152	(a)	52402	.011	(a)
49891	(a)	—	51351	.128	.045	51853	.061	(a)	52432	.054	(a)
49902	(a)	—	51352	.176	.09	51854	.137	(a)	52433	.049	.65
49903	(a)	—	51355	.12	.082	51855	.144	(a)	52435	.062	(a)
50010	.117	.33	51356	.129	.47	51856	.079	(a)	52438	.045	(a)
50011	.036	(a)	51357	.185	.95	51857	.136	(a)	52440	.07	(a)
50012	.043	(a)	51358	.45	.111	51869	.054	.138	52467	.065	(a)
50015	.076	(a)	51359	.39	.62	51877	.30	.156	52469	.023	.085
50017	.058	(a)	51370	.234	2.69	51889	.05	.01	52505	.113	.195
50018	.033	(a)	51380	.023	.039	51896	.023	.017	52547	.088	.058
50019	.031	(a)	51400	.093	(a)	51900	.069	.098	52581	.55	1.80
50045	.132	(a)	51401	.137	(a)	51909	.087	.048	52619	.039	(a)
50047	.015	(a)	51500	.044	.145	51919	.05	(a)	52660	.088	—
51001	.022	.38	51516	.074	—	51926	.051	.041	52744	.36	.052
51005	.005	(a)	51517	.084	—	51927	.028	.10	52767	.081	(a)
51116	.056	.64	51550	.055	.42	51934	.056	.082	52876	(a)	(a)
51201	.02	(a)	51551	.019	.83	51941	.051	.034	52911	.031	.42
51205	.061	.046	51552	.033	.137	51942	.081	—	52967	.012	.052
51206	.009	.37	51553	.059	(a)	51956	.219	.14	53001	.113	.241
51210	.039	(a)	51554	.006	(a)	51957	.193	.37	53077	.054	.204
51211	(a)	(a)	51575	.038	.023	51958	.171	.31	53095	.037	(a)
51220	.134	1.48	51576	.105	.101	51959	.176	(a)	53096	.052	(a)
51221	.074	1.47	51600	.072	.194	51960	.023	.30	53121	.148	.46
51222	.09	4.76	51613	.047	.141	51970	.101	.138	53147	.014	(a)
51224	.095	1.17	51625	.02	(a)	51982	.03	.068	53229	.076	(a)
51230	.016	.64	51666	.061	.085	51985	.069	—	53271	.028	(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	.075	.249	55715	.116	.169	56918	.03	(a)	58096	.103	1.35
53374	.094	.191	55716	.168	.41	56919	.077	(a)	58301	.024	.086
53375	.05	.31	55717	.102	(a)	56920	.071	(a)	58302	.028	.042
53376	.08	.159	55718	.099	(a)	56980	.057	(a)	58397	.161	.45
53377	.082	.172	55802	.062	.013	57001	.02	.023	58408	.058	—
53403	.052	(a)	55918	.066	1.76	57002	.013	.08	58409	.074	—
53425	.071	(a)	55919	.009	2.95	57090	.113	.83	58456	.039	—
53565	.06	.081	56040	.006	.028	57146	.072	.64	58457	.057	—
53631	.017	.019	56041	.041	(a)	57202	.051	(a)	58458	.074	—
53632	.02	.029	56042	.052	(a)	57257	.063	.042	58459	.088	—
53731	.018	(a)	56170	.069	(a)	57401	.036	.079	58503	.043	.08
53732	.123	.45	56171	.034	(a)	57403	.127	.03	58532	.056	(a)
53733	.08	.177	56202	.041	.063	57410	.017	.164	58559	.011	(a)
53734	.44	—	56390	.072	.64	57411	.017	(a)	58560	.027	(a)
53803	.168	(a)	56391	.062	.25	57572	.01	.094	58561	(a)	(a)
53901	(a)	(a)	56427	.10	.107	57600	.03	.03	58575	.035	.098
53902	(a)	(a)	56488	.103	.042	57611	.037	.044	58627	.113	.011
53903	(a)	(a)	56567	.072	(a)	57625	.27	(a)	58663	.159	.65
53904	(a)	(a)	56650	.22	(a)	57651	.032	.037	58682	.101	(a)
53905	(a)	(a)	56651	.12	(a)	57690	.048	.38	58713	.039	(a)
53907	.054	.078	56652	.085	(a)	57716	.023	.08	58737	.073	.49
53951	(a)	(a)	56653	.082	(a)	57725	.05	.083	58756	.03	(a)
53952	(a)	(a)	56654	.042	(a)	57726	.039	.025	58757	.246	(a)
53953	(a)	(a)	56690	.053	.31	57798	.016	(a)	58759	.03	(a)
54012	.044	—	56699	.046	.078	57800	.061	(a)	58802	.035	.39
54077	.074	.36	56758	.039	.123	57808	.019	(a)	58813	.073	(a)
54444	(a)	(a)	56759	.04	.07	57809	.02	(a)	58822	.095	(a)
55010	.224	.76	56760	.057	.087	57810	.019	.09	58837	.147	.155
55011	.06	2.01	56805	.075	(a)	57871	.023	.091	58840	.044	.11
55012	.072	.92	56806	.053	(a)	57913	.079	.206	58873	.07	.021
55013	.064	1.13	56807	.053	(a)	57997	.098	—	58903	.022	(a)
55014	(a)	(a)	56808	.069	(a)	57998	.035	.047	58904	.017	.108
55214	.058	.075	56900	.066	(a)	57999	.032	.065	58922	.116	.189
55371	.239	.096	56910	.033	(a)	58009	.032	(a)	59005	.041	.063
55410	(a)	(a)	56911	.062	(a)	58010	.082	(a)	59057	.31	(a)
55426	.077	(a)	56912	.05	.089	58020	.136	(a)	59058	.198	(a)
55597	.015	1.45	56913	.041	(a)	58056	.098	(a)	59188	.27	.047
55647	.029	.065	56915	.242	(a)	58057	.061	(a)	59189	.37	.25
55648	.013	(a)	56916	.219	.26	58058	.055	(a)	59223	.072	.128
55649	.016	(a)	56917	.063	(a)	58095	.078	1.22	59257	.011	.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	.07	(a)	59923	.008	.006	62003	11.40	—	91125	2.57	1.92
59378	.047	.124	59925	.40	1.15	63010	22.10	—	91127	2.41	1.21
59481	.187	.096	59926	.34	.46	63011	27.70	—	91130	1.25	—
59482	.28	(a)	59927	.229	1.10	63012	39.30	—	91135	.35	(a)
59537	.051	.219	59931	.144	.37	63013	37.20	—	91150	2.27	5.47
59601	.071	1.80	59932	.155	.69	63215	37.70	—	91155	5.05	27.80
59647	.126	.141	59941	.048	(a)	63216	26.10	—	91160	1.03	—
59660	.13	.83	59947	.032	.26	63217	34.50	—	91175	.89	—
59661	.064	(a)	59955	.019	.114	63218	11.60	—	91177	3.88	—
59693	.011	—	59963	.138	.32	63219	(a)	—	91179	3.90	—
59695	(a)	(a)	59964	.32	.059	63220	(a)	—	91190	2.09	(a)
59701	.005	.38	59970	.043	.147	64074	14.60	—	91200	.72	—
59713	.116	.30	59973	.089	(a)	64075	10.30	—	91210	(a)	—
59722	.06	.023	59975	.061	.13	64500	(a)	—	91235	2.78	2.36
59723	.023	.03	59977	.035	(a)	65007	22.90	—	91250	4.18	(a)
59724	.035	.016	59984	.024	.041	66122	9.86	—	91265	15.30	2.33
59725	.043	.126	59985	.095	(a)	66123	5.43	—	91266	8.10	.92
59726	.032	.023	59986	.073	(a)	66309	15.80	—	91280	(a)	2.73
59738	.101	.052	59988	.015	.05	66561	36.70	—	91302	16.20	(a)
59750	.038	.141	59989	.013	.037	67017	34.00	—	91315	4.93	—
59751	.014	(a)	60010	12.30	—	67508	43.80	—	91324	11.00	(a)
59773	.016	.023	60011	14.10	—	67509	32.10	—	91325	(a)	(a)
59774	.013	.127	60012	23.20	—	67510	17.90	—	91340	7.16	8.04
59775	.017	.156	60013	19.90	—	67511	19.30	—	91341	4.45	4.18
59781	.033	.065	60015	14.90	—	67512	82.90	—	91342	6.57	3.86
59782	.049	.62	60016	16.70	—	67513	52.60	—	91343	.98	1.56
59783	.048	(a)	60035	25.80	—	67634	29.50	—	91405	8.34	—
59784	.037	(a)	61000	12.20	—	67635	20.80	—	91436	5.04	2.25
59790	.078	(a)	61212	13.20	—	68001	63.60	—	91481	18.40	—
59798	.124	.33	61216	14.70	—	68439	81.80	—	91507	2.71	3.22
59806	.089	(a)	61217	13.30	—	68500	2.70	—	91523	41.80	—
59867	.087	(a)	61218	9.11	—	68604	1.53	—	91547	.238	—
59886	.012	.087	61223	64.80	—	68606	5.98	—	91551	1.47	.74
59889	.053	.192	61224	20.60	—	68607	4.73	—	91555	1.67	1.05
59892	.048	(a)	61225	28.60	—	68702	3.89	—	91560	4.48	4.66
59904	.032	.088	61226	48.20	—	68703	2.92	—	91562	3.28	—
59905	.055	.112	61227	44.10	—	68706	12.50	—	91577	11.70	3.38
59914	.32	.65	62000	10.00	—	68707	12.40	—	91580	5.91	—
59915	.107	.53	62001	7.92	—	90089	4.26	—	91581	(a)	(a)
59917	.02	.222	62002	3.62	—	91111	3.58	5.95	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	2.78	2.90	98308	1.13	1.06
91584	(a)	(a)	94569	2.90	4.18	97308	.63	—	98309	5.37	2.33
91585	(a)	(a)	94590	12.50	—	97447	2.06	5.47	98344	1.12	.80
91586	(a)	(a)	94617	3.95	—	97501	(a)	—	98405	1.84	—
91587	(a)	(a)	94638	(a)	—	97502	(a)	—	98413	14.20	(a)
91588	(a)	(a)	95124	1.46	1.37	97503	(a)	—	98414	13.00	(a)
91589	(a)	(a)	95233	3.12	—	97504	(a)	—	98415	1.71	(a)
91590	3.41	—	95305	3.39	—	97650	3.61	3.86	98423	4.07	(a)
91591	(a)	(a)	95306	4.92	—	97651	6.09	4.66	98424	6.91	(a)
91606	12.30	—	95310	8.10	1.23	97652	5.28	4.99	98425	2.84	(a)
91618	(a)	(a)	95357	1.25	—	97653	3.09	3.22	98426	2.50	(a)
91629	2.51	(a)	95358	(a)	—	97654	5.39	3.06	98427	2.44	—
91636	4.30	—	95410	4.37	2.89	97655	4.70	4.50	98428	(a)	—
91641	1.16	(a)	95455	5.19	1.77	98002	.85	1.01	98429	1.12	—
91666	.92	(a)	95487	2.35	(a)	98003	.97	(a)	98430	(a)	—
91722	3.76	(a)	95505	2.42	2.25	98090	.13	—	98449	3.50	27.10
91746	3.28	5.95	95620	1.90	(a)	98091	.141	—	98482	3.76	6.59
91805	.206	—	95625	7.75	3.86	98092	.43	—	98483	5.55	16.10
92053	.51	.72	95630	(a)	(a)	98111	.70	—	98502	5.31	3.86
92054	.174	.27	95647	3.34	5.95	98150	(a)	—	98555	2.47	—
92055	4.86	.26	95648	(a)	(a)	98151	(a)	—	98597	.55	—
92101	7.61	3.22	96053	2.54	4.50	98152	2.86	.53	98598	.19	—
92102	4.58	3.54	96317	1.30	—	98153	3.22	(a)	98601	6.35	(a)
92215	3.98	3.22	96408	3.79	12.40	98154	3.80	(a)	98622	(a)	—
92338	1.76	2.09	96409	3.50	8.80	98155	5.33	(a)	98623	(a)	—
92445	2.46	—	96410	3.07	8.84	98156	(a)	(a)	98624	1.00	—
92446	5.78	1.92	96611	1.64	1.50	98157	3.40	.35	98636	3.41	3.70
92447	5.05	1.59	96702	4.36	(a)	98158	(a)	(a)	98640	110.00	—
92451	2.78	2.41	96703	(a)	—	98159	2.28	(a)	98658	5.51	—
92453	3.20	—	96816	4.09	—	98160	4.83	(a)	98659	.98	.40
92478	1.58	1.77	96872	4.61	(a)	98161	5.42	(a)	98677	17.30	10.60
92593	36.50	—	96930	(a)	—	98162	(a)	(a)	98678	15.30	14.00
92663	.58	—	97002	(a)	(a)	98163	5.68	.202	98698	(a)	(a)
94007	10.90	5.15	97003	(a)	(a)	98164	2.34	.07	98699	4.99	(a)
94099	2.47	—	97047	4.99	—	98257	1.46	—	98705	7.79	—
94225	8.70	—	97050	3.88	—	98303	10.70	6.34	98710	3.47	—
94276	4.53	4.50	97111	5.23	—	98304	5.40	3.81	98751	4.16	—
94304	3.54	(a)	97220	.34	(a)	98305	4.01	1.90	98805	4.53	1.46
94381	6.66	10.90	97221	(a)	1.28	98306	10.30	1.04	98806	3.18	3.70
94404	4.29	4.25	97222	1.84	1.83	98307	1.71	.51	98810	5.65	—

## 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
98813	5.45	2.11	99620	.48	—						
98820	8.65	3.70	99650	1.50	1.08						
98871	(a)	(a)	99709	3.71	(a)						
98884	2.25	2.25	99718	1.39	—						
98914	.67	.55	99746	2.36	3.38						
98949	.94	.31	99760	.27	—						
98967	3.53	10.80	99777	9.79	—						
98993	6.52	3.74	99793	2.99	—						
99003	1.68	1.29	99798	(a)	(a)						
99004	4.53	1.61	99803	(a)	8.72						
99080	1.19	7.56	99826	1.12	.74						
99081	(a)	—	99827	.43	.66						
99082	(a)	—	99851	1.74	—						
99083	(a)	—	99917	2.82	—						
99084	(a)	(a)	99938	3.17	—						
99085	(a)	(a)	99943	9.19	—						
99111	1.73	—	99946	6.85	2.46						
99160	(a)	—	99948	7.86	21.10						
99163	4.12	.40	99952	8.28	16.70						
99165	.90	(a)	99953	8.93	10.10						
99220	1.48	(a)	99954	6.50	12.70						
99221	(a)	(a)	99955	8.15	9.16						
99222	2.78	(a)	99963	.68	—						
99223	.25	(a)	99969	2.69	2.60						
99303	13.80	—	99975	7.23	—						
99310	3.45	(a)	99986	(a)	—						
99315	10.20	2.09	99987	(a)	—						
99321	9.86	2.41	99988	2.37	—						
99445	(a)	(a)									
99471	.67	—									
99505	5.52	—									
99506	6.79	—									
99507	5.92	—									
99570	3.18	(a)									
99571	.77	(a)									
99572	1.50	(a)									
99573	1.44	(a)									
99600	1.97	—									
99613	8.73	2.41									
99614	4.40	—									

**CLASSES 10010–14734**  
**PREM/OPS TERR. 504**  
**PROD/COPS**

**COMMERCIAL LINES MANUAL**  
**DIVISION SIX**  
**GENERAL LIABILITY**  
**LOSS COST PAGES**

**TENNESSEE (41)**

<b>\$100,000/200,000 BASIC LIMIT OCCURRENCE</b> <b>Premises/Operations (Prem/Ops) (Subline Code 334) Territory 504</b> <b>Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999</b>											
<b>Class Code</b>	<b>Prem/ Ops</b>	<b>Prod/ Cops</b>	<b>Class Code</b>	<b>Prem/ Ops</b>	<b>Prod/ Cops</b>	<b>Class Code</b>	<b>Prem/ Ops</b>	<b>Prod/ Cops</b>	<b>Class Code</b>	<b>Prem/ Ops</b>	<b>Prod/ Cops</b>
10010	.085	.167	10150	.54	(a)	11204	.34	1.59	13111	.87	.08
10011	.02	(a)	10151	13.70	—	11205	(a)	—	13112	.072	.054
10012	.024	(a)	10160	2.44	—	11206	.45	—	13201	.85	.123
10015	5.84	—	10204	.246	—	11207	5.68	—	13204	.96	.86
10020	(a)	(a)	10205	.28	—	11208	.97	—	13205	.37	.34
10025	.02	(a)	10210	.44	(a)	11209	4.57	—	13206	(a)	(a)
10026	.71	.023	10211	.44	(a)	11210	1.95	—	13207	(a)	(a)
10027	.02	(a)	10220	5.18	—	11211	10.10	—	13208	(a)	(a)
10036	.63	(a)	10255	.235	.14	11212	1.53	—	13314	.132	.012
10040	.065	.32	10256	.86	.198	11213	1.25	—	13351	.32	.062
10042	.41	.39	10257	.162	.146	11214	3.07	—	13352	.33	.044
10052	4.04	—	10309	.178	.019	11222	.052	—	13410	1.35	1.66
10054	3.59	—	10315	.42	(a)	11234	.31	.066	13411	(a)	(a)
10060	.195	.082	10331	7.92	—	11248	.045	.013	13412	.46	1.19
10065	.29	.058	10332	13.70	—	11258	.94	.187	13453	.53	(a)
10066	.30	.08	10352	.46	.055	11259	1.01	.128	13454	.62	(a)
10070	.049	.134	10367	2.60	—	11273	15.30	—	13455	.62	(a)
10071	.35	.121	10368	3.81	—	11274	14.70	—	13461	(a)	(a)
10072	2.95	—	10375	(a)	—	11288	1.16	.074	13506	1.01	.076
10073	.99	.55	10378	8.02	—	12014	.096	.045	13507	1.22	.175
10075	7.32	.198	10379	3.72	—	12356	1.30	.034	13590	.46	.61
10100	.78	.054	10380	6.36	—	12361	.084	.066	13621	.117	.34
10101	.26	.16	10381	5.51	—	12362	.054	(a)	13670	.047	.018
10105	2.85	—	11007	1.11	—	12373	.02	.022	13673	.72	.015
10107	3.01	.28	11020	.33	.221	12374	.68	.062	13715	.054	.111
10110	19.90	—	11039	.86	.066	12375	.33	.036	13716	.50	.117
10111	.107	.059	11052	4.33	—	12391	.04	.059	13720	.40	.054
10113	.40	—	11101	(a)	(a)	12393	.44	(a)	13759	.195	.125
10115	.79	.088	11120	(a)	—	12467	.183	(a)	13930	.114	.147
10117	5.80	—	11126	.069	.023	12509	.059	.026	14068	.043	.01
10119	(a)	—	11127	.27	.01	12510	.74	.028	14101	.50	.05
10120	13.00	—	11128	.37	.081	12583	.33	(a)	14279	.45	.078
10130	3.89	—	11138	1.98	—	12651	.96	.45	14401	.95	.085
10132	3.35	—	11155	.235	—	12683	.44	(a)	14405	.65	—
10133	4.16	—	11160	(a)	(a)	12707	.35	.48	14527	.219	.169
10135	(a)	—	11167	1.00	—	12797	.074	.177	14655	.097	—
10140	.039	.02	11168	5.17	—	12805	.36	.184	14731	4.29	—
10141	.077	.021	11201	9.69	—	12841	.59	—	14732	.32	—
10145	.37	.011	11202	2.87	—	12927	.103	—	14733	.68	—
10146	.35	.017	11203	.63	.38	13049	.044	.044	14734	.29	—

## DIVISION SIX

## PREM/OPS TERR. 504

## GENERAL LIABILITY

## PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 504 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	.207	.11	16670	3.29	—	18501	.76	.013	40072	(a)	—
14913	.37	.16	16676	.33	.016	18506	.41	.007	40075	44.30	—
15060	(a)	(a)	16694	.39	(a)	18507	.206	.009	40101	10.20	—
15061	(a)	(a)	16705	.171	.113	18570	2.16	—	40102	8.99	—
15062	.185	(a)	16722	(a)	—	18575	(a)	(a)	40111	6.46	—
15063	.216	(a)	16723	(a)	—	18616	.31	.49	40115	(a)	—
15070	.087	—	16750	.115	.035	18707	.008	.006	40117	(a)	—
15119	(a)	—	16751	.115	—	18708	.126	.025	40140	(a)	—
15120	(a)	—	16819	1.12	(a)	18833	.096	(a)	41001	.218	—
15123	4.15	—	16820	.87	(a)	18834	.33	.127	41210	(a)	—
15124	1.45	—	16881	1.79	(a)	18911	1.03	.021	41421	.27	—
15188	.33	(a)	16890	.131	(a)	18912	1.94	.034	41422	.144	—
15223	.056	.039	16891	.143	(a)	18920	.50	.021	41510	51.90	—
15224	.43	.064	16892	.26	(a)	18991	(a)	—	41603	12.80	—
15300	(a)	—	16900	2.57	.077	19007	1.62	—	41604	7.03	—
15314	.235	(a)	16901	1.65	.104	19051	3.60	—	41620	.81	—
15404	.085	(a)	16902	1.40	.057	19061	(a)	—	41650	18.00	—
15405	.124	(a)	16905	2.70	.067	19795	.34	(a)	41664	27.60	—
15406	.32	.056	16906	1.73	.095	19796	.40	—	41665	3.23	—
15488	.79	(a)	16910	1.54	.049	40005	(a)	—	41666	(a)	—
15538	.42	.018	16911	1.40	.048	40006	(a)	—	41667	75.40	—
15600	1.05	.104	16915	1.58	.047	40010	(a)	—	41668	70.70	—
15607	.114	—	16916	1.32	.055	40015	(a)	—	41669	.50	—
15608	.235	.011	16920	3.51	.107	40020	(a)	—	41670	.83	—
15656	6.94	—	16921	3.21	.043	40026	(a)	—	41672	(a)	—
15699	.28	—	16930	2.02	.144	40031	(a)	—	41673	(a)	—
15733	.207	.03	16931	2.18	.061	40032	(a)	—	41675	(a)	—
15839	.32	.03	16940	4.38	.043	40040	(a)	—	41677	.168	—
15991	.26	.081	16941	1.75	.076	40041	(a)	—	41678	29.50	—
15993	.218	.051	18078	.097	.161	40042	(a)	—	41679	(a)	(a)
16005	.028	.03	18109	.43	.034	40045	182.00	—	41680	9.38	—
16009	.25	.111	18110	.34	.038	40046	36.00	—	41696	.53	—
16402	1.56	—	18200	(a)	—	40047	12.80	—	41697	.37	—
16403	.99	.177	18205	.15	.39	40059	4.60	—	41700	(a)	—
16404	1.24	—	18206	.56	.123	40061	2.44	—	41715	5.95	—
16471	.161	—	18335	.40	.018	40063	81.50	—	41716	3.79	—
16501	.06	(a)	18435	.83	.06	40064	24.00	—	43007	(a)	—
16527	.092	.27	18436	.67	.13	40066	(a)	—	43117	(a)	—
16588	.117	(a)	18437	.57	(a)	40067	(a)	—	43151	22.00	—
16604	.197	.10	18438	1.10	(a)	40069	(a)	—	43152	8.83	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 504 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	83.80	—	44112	1.94	—	45771	.37	.131	47254	(a)	—
43215	(a)	—	44113	(a)	—	45819	.12	.076	47318	7.69	—
43421	23.00	—	44193	(a)	—	45900	.12	.045	47367	.168	—
43422	121.00	—	44194	(a)	—	45901	.103	.039	47420	1.68	—
43424	(a)	—	44222	(a)	—	45937	.189	—	47468	(a)	—
43470	3.09	—	44276	113.00	—	45993	(a)	(a)	47469	2.70	—
43517	(a)	—	44277	72.90	—	46004	17.10	—	47471	2.34	—
43518	11.80	—	44280	.168	—	46005	13.70	—	47473	3.07	—
43550	81.90	—	44311	6.10	—	46112	.04	—	47474	3.43	—
43551	45.50	—	44315	4.10	—	46202	2.34	—	47475	2.70	—
43626	9.45	—	44427	36.80	—	46362	103.00	—	47476	2.70	—
43628	123.00	—	44428	37.00	—	46426	15.00	—	47477	3.61	—
43629	104.00	—	44429	.55	—	46427	20.10	—	47478	3.79	—
43754	(a)	—	44430	.39	—	46510	(a)	—	47600	(a)	—
43760	3.47	—	44431	1.23	—	46590	(a)	—	47610	(a)	—
43822	2.46	—	44432	.39	—	46603	1.26	—	48039	59.40	—
43840	.03	—	44433	12.40	—	46604	1.46	—	48177	(a)	—
43860	1.93	—	44434	23.80	—	46606	3.88	—	48178	(a)	—
43889	.69	—	44435	24.60	—	46607	5.34	—	48206	25.00	—
43945	(a)	—	44436	28.80	—	46622	7.18	—	48252	(a)	—
43946	(a)	—	44437	23.80	—	46671	(a)	—	48441	.105	—
43990	(a)	(a)	44438	18.80	—	46700	169.00	—	48557	10.50	—
43991	(a)	—	44439	36.70	—	46773	(a)	—	48558	9.13	—
44009	5.06	—	44440	30.30	—	46822	(a)	—	48600	30.10	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	10.10	—	44501	(a)	—	46882	(a)	—	48636	.97	(a)
44070	2.99	—	45190	1.84	—	46911	18.70	—	48637	8.02	—
44071	3.33	—	45191	1.31	—	46912	34.20	—	48638	3.98	—
44072	2.30	—	45192	1.53	—	46913	(a)	—	48727	(a)	—
44100	5.83	—	45193	.90	—	46914	(a)	—	48808	1.78	—
44101	6.07	—	45210	1.14	—	46915	(a)	—	48924	(a)	—
44102	4.74	—	45224	(a)	—	46916	(a)	—	48925	192.00	—
44103	4.19	—	45225	(a)	—	47050	.67	—	49005	.114	—
44104	1.76	—	45334	48.30	—	47051	(a)	—	49111	2.72	—
44105	(a)	—	45380	.242	(a)	47052	(a)	—	49181	19.40	—
44106	(a)	—	45450	14.20	—	47103	(a)	—	49183	23.70	—
44108	2.06	—	45523	(a)	—	47146	(a)	—	49184	50.00	—
44109	5.22	—	45524	(a)	—	47147	(a)	—	49185	45.50	—
44110	5.34	—	45539	(a)	—	47221	185.00	—	49239	.181	.36
44111	3.28	—	45678	.181	—	47253	(a)	—	49292	1.42	—

## DIVISION SIX

## PREM/OPS TERR. 504

## GENERAL LIABILITY

## PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 504 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	.231	.215	51702	.092	(a)	51986	.113	.082
49333	10.40	—	51241	.69	.24	51703	.038	(a)	51999	.047	.32
49451	(a)	—	51250	.154	(a)	51734	.071	.43	52002	.042	.104
49452	(a)	—	51251	.02	(a)	51741	.12	.26	52075	.113	.197
49617	.34	.185	51252	.07	.061	51752	.102	.141	52076	.136	(a)
49618	.29	.065	51253	.06	(a)	51767	.02	.007	52109	.011	(a)
49619	.54	.136	51254	.019	.025	51777	.071	.058	52134	.139	.56
49763	3.50	—	51255	.39	(a)	51790	.118	(a)	52137	.045	(a)
49800	(a)	—	51300	.098	.127	51796	.044	(a)	52150	.26	(a)
49801	163.00	—	51305	.098	.76	51808	.156	.53	52315	.092	.27
49802	14.40	—	51315	.117	.08	51809	.194	.173	52341	.028	(a)
49803	25.60	—	51330	.059	.82	51833	.106	.051	52342	.081	(a)
49840	.69	—	51333	.019	.28	51850	.144	(a)	52343	.049	(a)
49870	80.20	—	51340	.019	(a)	51851	.097	(a)	52401	.152	(a)
49890	(a)	—	51350	.164	.115	51852	.228	(a)	52402	.011	(a)
49891	(a)	—	51351	.147	.045	51853	.092	(a)	52432	.052	(a)
49902	(a)	—	51352	.202	.09	51854	.206	(a)	52433	.048	.65
49903	(a)	—	51355	.138	.082	51855	.216	(a)	52435	.06	(a)
50010	.113	.33	51356	.148	.47	51856	.119	(a)	52438	.043	(a)
50011	.054	(a)	51357	.167	.95	51857	.203	(a)	52440	.068	(a)
50012	.042	(a)	51358	.40	.111	51869	.052	.138	52467	.063	(a)
50015	.073	(a)	51359	.35	.62	51877	.29	.156	52469	.022	.085
50017	.056	(a)	51370	.226	2.69	51889	.048	.01	52505	.109	.195
50018	.049	(a)	51380	.023	.039	51896	.022	.017	52547	.132	.058
50019	.03	(a)	51400	.139	(a)	51900	.08	.098	52581	.53	1.80
50045	.127	(a)	51401	.205	(a)	51909	.13	.048	52619	.037	(a)
50047	.014	(a)	51500	.043	.145	51919	.048	(a)	52660	.06	—
51001	.033	.38	51516	.05	—	51926	.049	.041	52744	.41	.052
51005	.007	(a)	51517	.057	—	51927	.027	.10	52767	.121	(a)
51116	.084	.64	51550	.053	.42	51934	.054	.082	52876	(a)	(a)
51201	.019	(a)	51551	.018	.83	51941	.049	.034	52911	.03	.42
51205	.059	.046	51552	.032	.137	51942	.078	—	52967	.011	.052
51206	.009	.37	51553	.057	(a)	51956	.212	.14	53001	.109	.241
51210	.058	(a)	51554	.005	(a)	51957	.186	.37	53077	.053	.204
51211	(a)	(a)	51575	.044	.023	51958	.166	.31	53095	.036	(a)
51220	.20	1.48	51576	.102	.101	51959	.17	(a)	53096	.05	(a)
51221	.111	1.47	51600	.069	.194	51960	.022	.30	53121	.143	.46
51222	.135	4.76	51613	.046	.141	51970	.097	.138	53147	.02	(a)
51224	.142	1.17	51625	.031	(a)	51982	.029	.068	53229	.114	(a)
51230	.024	.64	51666	.07	.085	51985	.047	—	53271	.027	(a)

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 504 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	.112	.249	55715	.112	.169	56918	.045	(a)	58096	.10	1.35
53374	.107	.191	55716	.162	.41	56919	.116	(a)	58301	.036	.086
53375	.057	.31	55717	.153	(a)	56920	.106	(a)	58302	.027	.042
53376	.091	.159	55718	.148	(a)	56980	.056	(a)	58397	.156	.45
53377	.093	.172	55802	.071	.013	57001	.019	.023	58408	.04	–
53403	.059	(a)	55918	.064	1.76	57002	.012	.08	58409	.05	–
53425	.106	(a)	55919	.009	2.95	57090	.17	.83	58456	.027	–
53565	.069	.081	56040	.006	.028	57146	.108	.64	58457	.039	–
53631	.017	.019	56041	.04	(a)	57202	.049	(a)	58458	.05	–
53632	.019	.029	56042	.05	(a)	57257	.061	.042	58459	.06	–
53731	.017	(a)	56170	.104	(a)	57401	.035	.079	58503	.042	.08
53732	.119	.45	56171	.051	(a)	57403	.145	.03	58532	.054	(a)
53733	.077	.177	56202	.04	.063	57410	.017	.164	58559	.011	(a)
53734	.30	–	56390	.07	.64	57411	.026	(a)	58560	.026	(a)
53803	.25	(a)	56391	.06	.25	57572	.01	.094	58561	(a)	(a)
53901	(a)	(a)	56427	.096	.107	57600	.029	.03	58575	.034	.098
53902	(a)	(a)	56488	.118	.042	57611	.056	.044	58627	.109	.011
53903	(a)	(a)	56567	.108	(a)	57625	.26	(a)	58663	.238	.65
53904	(a)	(a)	56650	.33	(a)	57651	.031	.037	58682	.097	(a)
53905	(a)	(a)	56651	.179	(a)	57690	.072	.38	58713	.045	(a)
53907	.052	.078	56652	.128	(a)	57716	.034	.08	58737	.071	.49
53951	(a)	(a)	56653	.123	(a)	57725	.075	.083	58756	.045	(a)
53952	(a)	(a)	56654	.063	(a)	57726	.058	.025	58757	.238	(a)
53953	(a)	(a)	56690	.061	.31	57798	.016	(a)	58759	.029	(a)
54012	.03	–	56699	.044	.078	57800	.059	(a)	58802	.033	.39
54077	.072	.36	56758	.038	.123	57808	.029	(a)	58813	.109	(a)
54444	(a)	(a)	56759	.039	.07	57809	.03	(a)	58822	.092	(a)
55010	.216	.76	56760	.055	.087	57810	.029	.09	58837	.22	.155
55011	.058	2.01	56805	.073	(a)	57871	.034	.091	58840	.066	.11
55012	.07	.92	56806	.051	(a)	57913	.077	.206	58873	.105	.021
55013	.096	1.13	56807	.051	(a)	57997	.067	–	58903	.021	(a)
55014	(a)	(a)	56808	.067	(a)	57998	.034	.047	58904	.016	.108
55214	.056	.075	56900	.064	(a)	57999	.047	.065	58922	.174	.189
55371	.27	.096	56910	.032	(a)	58009	.047	(a)	59005	.04	.063
55410	(a)	(a)	56911	.093	(a)	58010	.079	(a)	59057	.30	(a)
55426	.116	(a)	56912	.075	.089	58020	.156	(a)	59058	.191	(a)
55597	.014	1.45	56913	.061	(a)	58056	.094	(a)	59188	.31	.047
55647	.028	.065	56915	.36	(a)	58057	.059	(a)	59189	.42	.25
55648	.013	(a)	56916	.33	.26	58058	.053	(a)	59223	.108	.128
55649	.015	(a)	56917	.095	(a)	58095	.075	1.22	59257	.011	.011



## DIVISION SIX

PREM/OPS TERR. 504

## GENERAL LIABILITY

PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 504 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	.067	(a)	59923	.008	.006	62003	7.95	—	91125	2.57	1.92
59378	.07	.124	59925	.36	1.15	63010	18.80	—	91127	2.41	1.21
59481	.181	.096	59926	.31	.46	63011	23.50	—	91130	1.25	—
59482	.32	(a)	59927	.207	1.10	63012	33.40	—	91135	.35	(a)
59537	.076	.219	59931	.139	.37	63013	31.70	—	91150	2.27	5.47
59601	.068	1.80	59932	.15	.69	63215	26.30	—	91155	5.05	27.80
59647	.144	.141	59941	.047	(a)	63216	18.20	—	91160	1.03	—
59660	.126	.83	59947	.048	.26	63217	36.60	—	91175	.89	—
59661	.062	(a)	59955	.018	.114	63218	12.30	—	91177	3.88	—
59693	.01	—	59963	.133	.32	63219	(a)	—	91179	3.90	—
59695	(a)	(a)	59964	.31	.059	63220	(a)	—	91190	2.09	(a)
59701	.005	.38	59970	.065	.147	64074	13.00	—	91200	.72	—
59713	.112	.30	59973	.086	(a)	64075	9.16	—	91210	(a)	—
59722	.058	.023	59975	.091	.13	64500	(a)	—	91235	2.78	2.36
59723	.022	.03	59977	.052	(a)	65007	16.00	—	91250	4.18	(a)
59724	.034	.016	59984	.024	.041	66122	6.89	—	91265	15.30	2.33
59725	.042	.126	59985	.092	(a)	66123	3.79	—	91266	8.10	.92
59726	.03	.023	59986	.07	(a)	66309	11.10	—	91280	(a)	2.73
59738	.097	.052	59988	.023	.05	66561	25.60	—	91302	16.20	(a)
59750	.057	.141	59989	.012	.037	67017	23.80	—	91315	4.93	—
59751	.02	(a)	60010	10.50	—	67508	21.60	—	91324	11.00	(a)
59773	.018	.023	60011	12.00	—	67509	15.90	—	91325	(a)	(a)
59774	.015	.127	60012	19.80	—	67510	8.84	—	91340	7.16	8.04
59775	.019	.156	60013	16.90	—	67511	9.56	—	91341	4.45	4.18
59781	.049	.065	60015	12.60	—	67512	40.90	—	91342	6.57	3.86
59782	.073	.62	60016	14.20	—	67513	26.00	—	91343	.98	1.56
59783	.071	(a)	60035	18.00	—	67634	20.60	—	91405	8.34	—
59784	.055	(a)	61000	10.30	—	67635	14.60	—	91436	5.04	2.25
59790	.075	(a)	61212	9.22	—	68001	44.40	—	91481	18.40	—
59798	.186	.33	61216	10.20	—	68439	57.10	—	91507	2.71	3.22
59806	.134	(a)	61217	9.31	—	68500	2.30	—	91523	41.80	—
59867	.084	(a)	61218	6.36	—	68604	1.07	—	91547	.238	—
59886	.011	.087	61223	45.20	—	68606	4.18	—	91551	1.47	.74
59889	.06	.192	61224	14.40	—	68607	3.30	—	91555	1.67	1.05
59892	.071	(a)	61225	20.00	—	68702	2.72	—	91560	4.48	4.66
59904	.048	.088	61226	33.60	—	68703	2.04	—	91562	3.28	—
59905	.053	.112	61227	30.80	—	68706	8.73	—	91577	11.70	3.38
59914	.31	.65	62000	7.01	—	68707	8.64	—	91580	5.91	—
59915	.16	.53	62001	5.53	—	90089	4.26	—	91581	(a)	(a)
59917	.03	.222	62002	2.53	—	91111	3.58	5.95	91582	(a)	(a)

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 504 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	2.78	2.90	98308	1.13	1.06
91584	(a)	(a)	94569	2.90	4.18	97308	.63	—	98309	5.37	2.33
91585	(a)	(a)	94590	12.50	—	97447	2.06	5.47	98344	1.12	.80
91586	(a)	(a)	94617	3.95	—	97501	(a)	—	98405	1.84	—
91587	(a)	(a)	94638	(a)	—	97502	(a)	—	98413	14.20	(a)
91588	(a)	(a)	95124	1.46	1.37	97503	(a)	—	98414	13.00	(a)
91589	(a)	(a)	95233	3.12	—	97504	(a)	—	98415	1.71	(a)
91590	3.41	—	95305	3.39	—	97650	3.61	3.86	98423	4.07	(a)
91591	(a)	(a)	95306	4.92	—	97651	6.09	4.66	98424	6.91	(a)
91606	12.30	—	95310	8.10	1.23	97652	5.28	4.99	98425	2.84	(a)
91618	(a)	(a)	95357	1.25	—	97653	3.09	3.22	98426	2.50	(a)
91629	2.51	(a)	95358	(a)	—	97654	5.39	3.06	98427	2.44	—
91636	4.30	—	95410	4.37	2.89	97655	4.70	4.50	98428	(a)	—
91641	1.16	(a)	95455	5.19	1.77	98002	.85	1.01	98429	1.12	—
91666	.92	(a)	95487	2.35	(a)	98003	.97	(a)	98430	(a)	—
91722	3.76	(a)	95505	2.42	2.25	98090	.13	—	98449	3.50	27.10
91746	3.28	5.95	95620	1.90	(a)	98091	.141	—	98482	3.76	6.59
91805	.206	—	95625	7.75	3.86	98092	.43	—	98483	5.55	16.10
92053	.51	.72	95630	(a)	(a)	98111	.70	—	98502	5.31	3.86
92054	.174	.27	95647	3.34	5.95	98150	(a)	—	98555	2.47	—
92055	4.86	.26	95648	(a)	(a)	98151	(a)	—	98597	.55	—
92101	7.61	3.22	96053	2.54	4.50	98152	2.86	.53	98598	.19	—
92102	4.58	3.54	96317	1.30	—	98153	3.22	(a)	98601	6.35	(a)
92215	3.98	3.22	96408	3.79	12.40	98154	3.80	(a)	98622	(a)	—
92338	1.76	2.09	96409	3.50	8.80	98155	5.33	(a)	98623	(a)	—
92445	2.46	—	96410	3.07	8.84	98156	(a)	(a)	98624	1.00	—
92446	5.78	1.92	96611	1.64	1.50	98157	3.40	.35	98636	3.41	3.70
92447	5.05	1.59	96702	4.36	(a)	98158	(a)	(a)	98640	110.00	—
92451	2.78	2.41	96703	(a)	—	98159	2.28	(a)	98658	5.51	—
92453	3.20	—	96816	4.09	—	98160	4.83	(a)	98659	.98	.40
92478	1.58	1.77	96872	4.61	(a)	98161	5.42	(a)	98677	17.30	10.60
92593	36.50	—	96930	(a)	—	98162	(a)	(a)	98678	15.30	14.00
92663	.58	—	97002	(a)	(a)	98163	5.68	.202	98698	(a)	(a)
94007	10.90	5.15	97003	(a)	(a)	98164	2.34	.07	98699	4.99	(a)
94099	2.47	—	97047	4.99	—	98257	1.46	—	98705	7.79	—
94225	8.70	—	97050	3.88	—	98303	10.70	6.34	98710	3.47	—
94276	4.53	4.50	97111	5.23	—	98304	5.40	3.81	98751	4.16	—
94304	3.54	(a)	97220	.34	(a)	98305	4.01	1.90	98805	4.53	1.46
94381	6.66	10.90	97221	(a)	1.28	98306	10.30	1.04	98806	3.18	3.70
94404	4.29	4.25	97222	1.84	1.83	98307	1.71	.51	98810	5.65	—

## DIVISION SIX

PREM/OPS TERR. 504

## GENERAL LIABILITY

PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 504 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	5.45	2.11	99620	.48	—						
98820	8.65	3.70	99650	1.50	1.08						
98871	(a)	(a)	99709	3.71	(a)						
98884	2.25	2.25	99718	1.39	—						
98914	.67	.55	99746	2.36	3.38						
98949	.94	.31	99760	.27	—						
98967	3.53	10.80	99777	9.79	—						
98993	6.52	3.74	99793	2.99	—						
99003	1.68	1.29	99798	(a)	(a)						
99004	4.53	1.61	99803	(a)	8.72						
99080	1.19	7.56	99826	1.12	.74						
99081	(a)	—	99827	.43	.66						
99082	(a)	—	99851	1.74	—						
99083	(a)	—	99917	2.82	—						
99084	(a)	(a)	99938	3.17	—						
99085	(a)	(a)	99943	9.19	—						
99111	1.73	—	99946	6.85	2.46						
99160	(a)	—	99948	7.86	21.10						
99163	4.12	.40	99952	8.28	16.70						
99165	.90	(a)	99953	8.93	10.10						
99220	1.48	(a)	99954	6.50	12.70						
99221	(a)	(a)	99955	8.15	9.16						
99222	2.78	(a)	99963	.68	—						
99223	.25	(a)	99969	2.69	2.60						
99303	13.80	—	99975	7.23	—						
99310	3.45	(a)	99986	(a)	—						
99315	10.20	2.09	99987	(a)	—						
99321	9.86	2.41	99988	2.37	—						
99445	(a)	(a)									
99471	.67	—									
99505	5.52	—									
99506	6.79	—									
99507	5.92	—									
99570	3.18	(a)									
99571	.77	(a)									
99572	1.50	(a)									
99573	1.44	(a)									
99600	1.97	—									
99613	8.73	2.41									
99614	4.40	—									

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 505 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	.13	.167	10150	.62	(a)	11204	.39	1.59	13111	1.29	.08
10011	.031	(a)	10151	15.50	—	11205	(a)	—	13112	.067	.054
10012	.036	(a)	10160	2.76	—	11206	.70	—	13201	.68	.123
10015	6.48	—	10204	.28	—	11207	8.83	—	13204	.77	.86
10020	(a)	(a)	10205	.31	—	11208	1.51	—	13205	.30	.34
10025	.031	(a)	10210	.50	(a)	11209	7.11	—	13206	(a)	(a)
10026	.80	.023	10211	.50	(a)	11210	3.03	—	13207	(a)	(a)
10027	.031	(a)	10220	5.86	—	11211	15.70	—	13208	(a)	(a)
10036	.51	(a)	10255	.188	.14	11212	2.38	—	13314	.149	.012
10040	.099	.32	10256	.69	.198	11213	1.94	—	13351	.36	.062
10042	.46	.39	10257	.13	.146	11214	4.78	—	13352	.37	.044
10052	4.48	—	10309	.201	.019	11222	.08	—	13410	1.08	1.66
10054	3.97	—	10315	.47	(a)	11234	.35	.066	13411	(a)	(a)
10060	.22	.082	10331	8.78	—	11248	.036	.013	13412	.36	1.19
10065	.33	.058	10332	15.20	—	11258	1.39	.187	13453	.42	(a)
10066	.34	.08	10352	.67	.055	11259	1.49	.128	13454	.49	(a)
10070	.074	.134	10367	4.05	—	11273	17.30	—	13455	.50	(a)
10071	.40	.121	10368	5.92	—	11274	16.60	—	13461	(a)	(a)
10072	4.58	—	10375	(a)	—	11288	1.71	.074	13506	1.14	.076
10073	.79	.55	10378	8.89	—	12014	.077	.045	13507	1.37	.175
10075	5.85	.198	10379	4.13	—	12356	1.47	.034	13590	.37	.61
10100	1.16	.054	10380	7.05	—	12361	.079	.066	13621	.094	.34
10101	.30	.16	10381	6.10	—	12362	.082	(a)	13670	.044	.018
10105	3.23	—	11007	1.72	—	12373	.031	.022	13673	1.06	.015
10107	2.41	.28	11020	.38	.221	12374	.76	.062	13715	.082	.111
10110	22.00	—	11039	.69	.066	12375	.38	.036	13716	.56	.117
10111	.162	.059	11052	3.51	—	12391	.061	.059	13720	.60	.054
10113	.45	—	11101	(a)	(a)	12393	.50	(a)	13759	.22	.125
10115	.89	.088	11120	(a)	—	12467	.207	(a)	13930	.174	.147
10117	6.43	—	11126	.078	.023	12509	.047	.026	14068	.049	.01
10119	(a)	—	11127	.41	.01	12510	.60	.028	14101	.57	.05
10120	14.40	—	11128	.56	.081	12583	.26	(a)	14279	.36	.078
10130	4.40	—	11138	2.20	—	12651	.77	.45	14401	1.40	.085
10132	3.79	—	11155	.27	—	12683	.35	(a)	14405	1.01	—
10133	3.37	—	11160	(a)	(a)	12707	.53	.48	14527	.33	.169
10135	(a)	—	11167	.81	—	12797	.113	.177	14655	.11	—
10140	.036	.02	11168	4.19	—	12805	.40	.184	14731	3.48	—
10141	.072	.021	11201	15.10	—	12841	.67	—	14732	.26	—
10145	.35	.011	11202	4.46	—	12927	.117	—	14733	.77	—
10146	.52	.017	11203	.96	.38	13049	.041	.044	14734	.33	—

## DIVISION SIX

PREM/OPS TERR. 505

## GENERAL LIABILITY

PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 505 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	.165	.11	16670	3.65	—	18501	1.12	.013	40072	(a)	—
14913	.41	.16	16676	.37	.016	18506	.33	.007	40075	32.30	—
15060	(a)	(a)	16694	.31	(a)	18507	.233	.009	40101	16.70	—
15061	(a)	(a)	16705	.26	.113	18570	2.44	—	40102	14.80	—
15062	.148	(a)	16722	(a)	—	18575	(a)	(a)	40111	7.16	—
15063	.173	(a)	16723	(a)	—	18616	.25	.49	40115	(a)	—
15070	.136	—	16750	.13	.035	18707	.012	.006	40117	(a)	—
15119	(a)	—	16751	.13	—	18708	.143	.025	40140	(a)	—
15120	(a)	—	16819	.90	(a)	18833	.146	(a)	41001	.242	—
15123	3.36	—	16820	.69	(a)	18834	.37	.127	41210	(a)	—
15124	1.18	—	16881	2.03	(a)	18911	1.17	.021	41421	.242	—
15188	.26	(a)	16890	.105	(a)	18912	2.20	.034	41422	.129	—
15223	.052	.039	16891	.115	(a)	18920	.57	.021	41510	58.60	—
15224	.63	.064	16892	.208	(a)	18991	(a)	—	41603	11.50	—
15300	(a)	—	16900	2.83	.077	19007	1.31	—	41604	6.29	—
15314	.27	(a)	16901	1.81	.104	19051	2.91	—	41620	1.26	—
15404	.068	(a)	16902	1.54	.057	19061	(a)	—	41650	16.10	—
15405	.10	(a)	16905	2.97	.067	19795	.38	(a)	41664	30.60	—
15406	.25	.056	16906	1.90	.095	19796	.45	—	41665	3.58	—
15488	.63	(a)	16910	1.70	.049	40005	(a)	—	41666	(a)	—
15538	.47	.018	16911	1.54	.048	40006	(a)	—	41667	83.60	—
15600	1.19	.104	16915	1.74	.047	40010	(a)	—	41668	78.30	—
15607	.178	—	16916	1.45	.055	40015	(a)	—	41669	.55	—
15608	.27	.011	16920	3.85	.107	40020	(a)	—	41670	.92	—
15656	7.85	—	16921	3.52	.043	40026	(a)	—	41672	(a)	—
15699	.44	—	16930	2.22	.144	40031	(a)	—	41673	(a)	—
15733	.165	.03	16931	2.39	.061	40032	(a)	—	41675	(a)	—
15839	.36	.03	16940	4.81	.043	40040	(a)	—	41677	.26	—
15991	.29	.081	16941	1.93	.076	40041	(a)	—	41678	35.20	—
15993	.246	.051	18078	.148	.161	40042	(a)	—	41679	(a)	(a)
16005	.043	.03	18109	.49	.034	40045	202.00	—	41680	8.39	—
16009	.203	.111	18110	.39	.038	40046	39.90	—	41696	.82	—
16402	1.76	—	18200	(a)	—	40047	14.20	—	41697	.57	—
16403	1.11	.177	18205	.228	.39	40059	5.09	—	41700	(a)	—
16404	1.41	—	18206	.63	.123	40061	2.70	—	41715	5.33	—
16471	.25	—	18335	.45	.018	40063	90.40	—	41716	3.39	—
16501	.091	(a)	18435	1.22	.06	40064	26.60	—	43007	(a)	—
16527	.14	.27	18436	.99	.13	40066	(a)	—	43117	(a)	—
16588	.094	(a)	18437	.65	(a)	40067	(a)	—	43151	16.10	—
16604	.158	.10	18438	1.24	(a)	40069	(a)	—	43152	10.50	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 505 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	61.20	—	44112	2.58	—	45771	.29	.131	47254	(a)	—
43215	(a)	—	44113	(a)	—	45819	.096	.076	47318	8.52	—
43421	16.80	—	44193	(a)	—	45900	.136	.045	47367	.26	—
43422	88.00	—	44194	(a)	—	45901	.117	.039	47420	1.87	—
43424	(a)	—	44222	(a)	—	45937	.138	—	47468	(a)	—
43470	4.80	—	44276	82.10	—	45993	(a)	(a)	47469	2.42	—
43517	(a)	—	44277	53.20	—	46004	15.30	—	47471	2.10	—
43518	13.10	—	44280	.26	—	46005	12.30	—	47473	2.74	—
43550	59.80	—	44311	6.76	—	46112	.066	—	47474	3.07	—
43551	33.20	—	44315	4.55	—	46202	2.04	—	47475	2.42	—
43626	10.50	—	44427	60.40	—	46362	123.00	—	47476	2.42	—
43628	136.00	—	44428	60.70	—	46426	17.90	—	47477	3.23	—
43629	115.00	—	44429	.91	—	46427	23.90	—	47478	3.39	—
43754	(a)	—	44430	.63	—	46510	(a)	—	47600	(a)	—
43760	3.84	—	44431	2.02	—	46590	(a)	—	47610	(a)	—
43822	3.82	—	44432	.64	—	46603	1.51	—	48039	43.40	—
43840	.047	—	44433	20.40	—	46604	1.74	—	48177	(a)	—
43860	3.01	—	44434	39.10	—	46606	4.63	—	48178	(a)	—
43889	1.08	—	44435	40.40	—	46607	6.36	—	48206	27.70	—
43945	(a)	—	44436	47.20	—	46622	11.20	—	48252	(a)	—
43946	(a)	—	44437	39.20	—	46671	(a)	—	48441	.116	—
43990	(a)	(a)	44438	30.90	—	46700	123.00	—	48557	11.60	—
43991	(a)	—	44439	60.20	—	46773	(a)	—	48558	10.10	—
44009	4.10	—	44440	49.80	—	46822	(a)	—	48600	35.90	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	11.20	—	44501	(a)	—	46882	(a)	—	48636	.81	(a)
44070	3.32	—	45190	1.61	—	46911	20.70	—	48637	8.89	—
44071	3.69	—	45191	1.14	—	46912	38.00	—	48638	4.41	—
44072	2.55	—	45192	1.33	—	46913	(a)	—	48727	(a)	—
44100	7.73	—	45193	.79	—	46914	(a)	—	48808	2.01	—
44101	8.05	—	45210	1.00	—	46915	(a)	—	48924	(a)	—
44102	6.28	—	45224	(a)	—	46916	(a)	—	48925	213.00	—
44103	5.56	—	45225	(a)	—	47050	1.04	—	49005	.178	—
44104	2.33	—	45334	35.30	—	47051	(a)	—	49111	3.07	—
44105	(a)	—	45380	.193	(a)	47052	(a)	—	49181	14.20	—
44106	(a)	—	45450	10.40	—	47103	(a)	—	49183	17.30	—
44108	2.74	—	45523	(a)	—	47146	(a)	—	49184	36.50	—
44109	6.92	—	45524	(a)	—	47147	(a)	—	49185	33.20	—
44110	7.08	—	45539	(a)	—	47221	135.00	—	49239	.145	.36
44111	4.35	—	45678	.28	—	47253	(a)	—	49292	1.04	—

## DIVISION SIX

## PREM/OPS TERR. 505

## GENERAL LIABILITY

## PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 505 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	.207	.215	51702	.076	(a)	51986	.101	.082
49333	7.61	—	51241	.62	.24	51703	.032	(a)	51999	.043	.32
49451	(a)	—	51250	.128	(a)	51734	.059	.43	52002	.037	.104
49452	(a)	—	51251	.018	(a)	51741	.108	.26	52075	.094	.197
49617	.28	.185	51252	.063	.061	51752	.091	.141	52076	.113	(a)
49618	.232	.065	51253	.053	(a)	51767	.015	.007	52109	.009	(a)
49619	.44	.136	51254	.017	.025	51777	.051	.058	52134	.125	.56
49763	2.84	—	51255	.32	(a)	51790	.085	(a)	52137	.037	(a)
49800	(a)	—	51300	.07	.127	51796	.039	(a)	52150	.23	(a)
49801	119.00	—	51305	.07	.76	51808	.14	.53	52315	.067	.27
49802	10.50	—	51315	.094	.08	51809	.173	.173	52341	.023	(a)
49803	18.70	—	51330	.049	.82	51833	.077	.051	52342	.067	(a)
49840	1.08	—	51333	.016	.28	51850	.119	(a)	52343	.041	(a)
49870	89.00	—	51340	.017	(a)	51851	.081	(a)	52401	.126	(a)
49890	(a)	—	51350	.118	.115	51852	.19	(a)	52402	.009	(a)
49891	(a)	—	51351	.106	.045	51853	.076	(a)	52432	.047	(a)
49902	(a)	—	51352	.145	.09	51854	.171	(a)	52433	.043	.65
49903	(a)	—	51355	.099	.082	51855	.179	(a)	52435	.054	(a)
50010	.101	.33	51356	.107	.47	51856	.099	(a)	52438	.039	(a)
50011	.045	(a)	51357	.133	.95	51857	.169	(a)	52440	.061	(a)
50012	.037	(a)	51358	.32	.111	51869	.046	.138	52467	.056	(a)
50015	.066	(a)	51359	.28	.62	51877	.26	.156	52469	.02	.085
50017	.05	(a)	51370	.203	2.69	51889	.043	.01	52505	.098	.195
50018	.041	(a)	51380	.02	.039	51896	.02	.017	52547	.109	.058
50019	.027	(a)	51400	.116	(a)	51900	.057	.098	52581	.48	1.80
50045	.114	(a)	51401	.17	(a)	51909	.108	.048	52619	.033	(a)
50047	.013	(a)	51500	.038	.145	51919	.043	(a)	52660	.093	—
51001	.028	.38	51516	.078	—	51926	.044	.041	52744	.29	.052
51005	.006	(a)	51517	.089	—	51927	.024	.10	52767	.10	(a)
51116	.07	.64	51550	.047	.42	51934	.048	.082	52876	(a)	(a)
51201	.017	(a)	51551	.016	.83	51941	.044	.034	52911	.027	.42
51205	.053	.046	51552	.028	.137	51942	.07	—	52967	.01	.052
51206	.008	.37	51553	.051	(a)	51956	.189	.14	53001	.098	.241
51210	.049	(a)	51554	.005	(a)	51957	.167	.37	53077	.047	.204
51211	(a)	(a)	51575	.032	.023	51958	.148	.31	53095	.032	(a)
51220	.166	1.48	51576	.091	.101	51959	.152	(a)	53096	.045	(a)
51221	.092	1.47	51600	.062	.194	51960	.02	.30	53121	.128	.46
51222	.112	4.76	51613	.041	.141	51970	.087	.138	53147	.017	(a)
51224	.118	1.17	51625	.025	(a)	51982	.026	.068	53229	.095	(a)
51230	.02	.64	51666	.05	.085	51985	.073	—	53271	.024	(a)

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 505											
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	.093	.249	55715	.10	.169	56918	.038	(a)	58096	.089	1.35
53374	.077	.191	55716	.145	.41	56919	.096	(a)	58301	.03	.086
53375	.041	.31	55717	.127	(a)	56920	.088	(a)	58302	.024	.042
53376	.066	.159	55718	.123	(a)	56980	.05	(a)	58397	.14	.45
53377	.067	.172	55802	.051	.013	57001	.017	.023	58408	.062	—
53403	.043	(a)	55918	.057	1.76	57002	.011	.08	58409	.078	—
53425	.088	(a)	55919	.008	2.95	57090	.141	.83	58456	.042	—
53565	.05	.081	56040	.005	.028	57146	.089	.64	58457	.061	—
53631	.015	.019	56041	.036	(a)	57202	.044	(a)	58458	.078	—
53632	.017	.029	56042	.045	(a)	57257	.055	.042	58459	.094	—
53731	.016	(a)	56170	.086	(a)	57401	.031	.079	58503	.037	.08
53732	.107	.45	56171	.042	(a)	57403	.104	.03	58532	.048	(a)
53733	.069	.177	56202	.036	.063	57410	.015	.164	58559	.01	(a)
53734	.47	—	56390	.062	.64	57411	.022	(a)	58560	.024	(a)
53803	.21	(a)	56391	.054	.25	57572	.009	.094	58561	(a)	(a)
53901	(a)	(a)	56427	.086	.107	57600	.026	.03	58575	.03	.098
53902	(a)	(a)	56488	.085	.042	57611	.046	.044	58627	.098	.011
53903	(a)	(a)	56567	.089	(a)	57625	.231	(a)	58663	.198	.65
53904	(a)	(a)	56650	.27	(a)	57651	.028	.037	58682	.087	(a)
53905	(a)	(a)	56651	.149	(a)	57690	.06	.38	58713	.032	(a)
53907	.047	.078	56652	.106	(a)	57716	.029	.08	58737	.063	.49
53951	(a)	(a)	56653	.102	(a)	57725	.062	.083	58756	.037	(a)
53952	(a)	(a)	56654	.052	(a)	57726	.049	.025	58757	.213	(a)
53953	(a)	(a)	56690	.044	.31	57798	.014	(a)	58759	.026	(a)
54012	.047	—	56699	.04	.078	57800	.053	(a)	58802	.03	.39
54077	.064	.36	56758	.034	.123	57808	.024	(a)	58813	.091	(a)
54444	(a)	(a)	56759	.034	.07	57809	.025	(a)	58822	.082	(a)
55010	.194	.76	56760	.05	.087	57810	.024	.09	58837	.183	.155
55011	.052	2.01	56805	.065	(a)	57871	.029	.091	58840	.055	.11
55012	.062	.92	56806	.046	(a)	57913	.069	.206	58873	.087	.021
55013	.079	1.13	56807	.046	(a)	57997	.104	—	58903	.019	(a)
55014	(a)	(a)	56808	.06	(a)	57998	.03	.047	58904	.014	.108
55214	.051	.075	56900	.057	(a)	57999	.039	.065	58922	.145	.189
55371	.197	.096	56910	.029	(a)	58009	.039	(a)	59005	.036	.063
55410	(a)	(a)	56911	.077	(a)	58010	.071	(a)	59057	.26	(a)
55426	.096	(a)	56912	.062	.089	58020	.112	(a)	59058	.171	(a)
55597	.013	1.45	56913	.051	(a)	58056	.084	(a)	59188	.223	.047
55647	.025	.065	56915	.30	(a)	58057	.053	(a)	59189	.31	.25
55648	.011	(a)	56916	.27	.26	58058	.048	(a)	59223	.09	.128
55649	.014	(a)	56917	.079	(a)	58095	.067	1.22	59257	.01	.011



## DIVISION SIX

PREM/OPS TERR. 505

## GENERAL LIABILITY

PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 505 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	.06	(a)	59923	.007	.006	62003	9.48	—	91125	2.57	1.92
59378	.059	.124	59925	.29	1.15	63010	18.90	—	91127	2.41	1.21
59481	.162	.096	59926	.246	.46	63011	23.60	—	91130	1.25	—
59482	.232	(a)	59927	.165	1.10	63012	33.60	—	91135	.35	(a)
59537	.063	.219	59931	.125	.37	63013	31.80	—	91150	2.27	5.47
59601	.061	1.80	59932	.135	.69	63215	31.30	—	91155	5.05	27.80
59647	.104	.141	59941	.042	(a)	63216	21.70	—	91160	1.03	—
59660	.112	.83	59947	.04	.26	63217	40.60	—	91175	.89	—
59661	.055	(a)	59955	.016	.114	63218	13.70	—	91177	3.88	—
59693	.009	—	59963	.119	.32	63219	(a)	—	91179	3.90	—
59695	(a)	(a)	59964	.28	.059	63220	(a)	—	91190	2.09	(a)
59701	.004	.38	59970	.054	.147	64074	11.30	—	91200	.72	—
59713	.101	.30	59973	.077	(a)	64075	7.98	—	91210	(a)	—
59722	.052	.023	59975	.075	.13	64500	(a)	—	91235	2.78	2.36
59723	.02	.03	59977	.043	(a)	65007	19.10	—	91250	4.18	(a)
59724	.03	.016	59984	.021	.041	66122	8.21	—	91265	15.30	2.33
59725	.037	.126	59985	.082	(a)	66123	4.52	—	91266	8.10	.92
59726	.027	.023	59986	.063	(a)	66309	13.20	—	91280	(a)	2.73
59738	.087	.052	59988	.019	.05	66561	30.50	—	91302	16.20	(a)
59750	.047	.141	59989	.011	.037	67017	28.30	—	91315	4.93	—
59751	.017	(a)	60010	10.50	—	67508	19.40	—	91324	11.00	(a)
59773	.013	.023	60011	12.10	—	67509	14.20	—	91325	(a)	(a)
59774	.011	.127	60012	19.90	—	67510	7.91	—	91340	7.16	8.04
59775	.014	.156	60013	17.00	—	67511	8.55	—	91341	4.45	4.18
59781	.041	.065	60015	12.70	—	67512	36.60	—	91342	6.57	3.86
59782	.061	.62	60016	14.30	—	67513	23.20	—	91343	.98	1.56
59783	.059	(a)	60035	21.50	—	67634	24.50	—	91405	8.34	—
59784	.045	(a)	61000	10.40	—	67635	17.30	—	91436	5.04	2.25
59790	.067	(a)	61212	11.00	—	68001	53.00	—	91481	18.40	—
59798	.155	.33	61216	12.20	—	68439	68.10	—	91507	2.71	3.22
59806	.111	(a)	61217	11.10	—	68500	2.31	—	91523	41.80	—
59867	.076	(a)	61218	7.58	—	68604	1.27	—	91547	.238	—
59886	.01	.087	61223	53.90	—	68606	4.98	—	91551	1.47	.74
59889	.043	.192	61224	17.20	—	68607	3.93	—	91555	1.67	1.05
59892	.059	(a)	61225	23.80	—	68702	3.24	—	91560	4.48	4.66
59904	.04	.088	61226	40.10	—	68703	2.43	—	91562	3.28	—
59905	.047	.112	61227	36.70	—	68706	10.40	—	91577	11.70	3.38
59914	.28	.65	62000	8.35	—	68707	10.30	—	91580	5.91	—
59915	.133	.53	62001	6.59	—	90089	4.26	—	91581	(a)	(a)
59917	.025	.222	62002	3.01	—	91111	3.58	5.95	91582	(a)	(a)

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 505 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	2.78	2.90	98308	1.13	1.06
91584	(a)	(a)	94569	2.90	4.18	97308	.63	—	98309	5.37	2.33
91585	(a)	(a)	94590	12.50	—	97447	2.06	5.47	98344	1.12	.80
91586	(a)	(a)	94617	3.95	—	97501	(a)	—	98405	1.84	—
91587	(a)	(a)	94638	(a)	—	97502	(a)	—	98413	14.20	(a)
91588	(a)	(a)	95124	1.46	1.37	97503	(a)	—	98414	13.00	(a)
91589	(a)	(a)	95233	3.12	—	97504	(a)	—	98415	1.71	(a)
91590	3.41	—	95305	3.39	—	97650	3.61	3.86	98423	4.07	(a)
91591	(a)	(a)	95306	4.92	—	97651	6.09	4.66	98424	6.91	(a)
91606	12.30	—	95310	8.10	1.23	97652	5.28	4.99	98425	2.84	(a)
91618	(a)	(a)	95357	1.25	—	97653	3.09	3.22	98426	2.50	(a)
91629	2.51	(a)	95358	(a)	—	97654	5.39	3.06	98427	2.44	—
91636	4.30	—	95410	4.37	2.89	97655	4.70	4.50	98428	(a)	—
91641	1.16	(a)	95455	5.19	1.77	98002	.85	1.01	98429	1.12	—
91666	.92	(a)	95487	2.35	(a)	98003	.97	(a)	98430	(a)	—
91722	3.76	(a)	95505	2.42	2.25	98090	.13	—	98449	3.50	27.10
91746	3.28	5.95	95620	1.90	(a)	98091	.141	—	98482	3.76	6.59
91805	.206	—	95625	7.75	3.86	98092	.43	—	98483	5.55	16.10
92053	.51	.72	95630	(a)	(a)	98111	.70	—	98502	5.31	3.86
92054	.174	.27	95647	3.34	5.95	98150	(a)	—	98555	2.47	—
92055	4.86	.26	95648	(a)	(a)	98151	(a)	—	98597	.55	—
92101	7.61	3.22	96053	2.54	4.50	98152	2.86	.53	98598	.19	—
92102	4.58	3.54	96317	1.30	—	98153	3.22	(a)	98601	6.35	(a)
92215	3.98	3.22	96408	3.79	12.40	98154	3.80	(a)	98622	(a)	—
92338	1.76	2.09	96409	3.50	8.80	98155	5.33	(a)	98623	(a)	—
92445	2.46	—	96410	3.07	8.84	98156	(a)	(a)	98624	1.00	—
92446	5.78	1.92	96611	1.64	1.50	98157	3.40	.35	98636	3.41	3.70
92447	5.05	1.59	96702	4.36	(a)	98158	(a)	(a)	98640	110.00	—
92451	2.78	2.41	96703	(a)	—	98159	2.28	(a)	98658	5.51	—
92453	3.20	—	96816	4.09	—	98160	4.83	(a)	98659	.98	.40
92478	1.58	1.77	96872	4.61	(a)	98161	5.42	(a)	98677	17.30	10.60
92593	36.50	—	96930	(a)	—	98162	(a)	(a)	98678	15.30	14.00
92663	.58	—	97002	(a)	(a)	98163	5.68	.202	98698	(a)	(a)
94007	10.90	5.15	97003	(a)	(a)	98164	2.34	.07	98699	4.99	(a)
94099	2.47	—	97047	4.99	—	98257	1.46	—	98705	7.79	—
94225	8.70	—	97050	3.88	—	98303	10.70	6.34	98710	3.47	—
94276	4.53	4.50	97111	5.23	—	98304	5.40	3.81	98751	4.16	—
94304	3.54	(a)	97220	.34	(a)	98305	4.01	1.90	98805	4.53	1.46
94381	6.66	10.90	97221	(a)	1.28	98306	10.30	1.04	98806	3.18	3.70
94404	4.29	4.25	97222	1.84	1.83	98307	1.71	.51	98810	5.65	—

## DIVISION SIX

PREM/OPS TERR. 505

## GENERAL LIABILITY

PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 505 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	5.45	2.11	99620	.48	—						
98820	8.65	3.70	99650	1.50	1.08						
98871	(a)	(a)	99709	3.71	(a)						
98884	2.25	2.25	99718	1.39	—						
98914	.67	.55	99746	2.36	3.38						
98949	.94	.31	99760	.27	—						
98967	3.53	10.80	99777	9.79	—						
98993	6.52	3.74	99793	2.99	—						
99003	1.68	1.29	99798	(a)	(a)						
99004	4.53	1.61	99803	(a)	8.72						
99080	1.19	7.56	99826	1.12	.74						
99081	(a)	—	99827	.43	.66						
99082	(a)	—	99851	1.74	—						
99083	(a)	—	99917	2.82	—						
99084	(a)	(a)	99938	3.17	—						
99085	(a)	(a)	99943	9.19	—						
99111	1.73	—	99946	6.85	2.46						
99160	(a)	—	99948	7.86	21.10						
99163	4.12	.40	99952	8.28	16.70						
99165	.90	(a)	99953	8.93	10.10						
99220	1.48	(a)	99954	6.50	12.70						
99221	(a)	(a)	99955	8.15	9.16						
99222	2.78	(a)	99963	.68	—						
99223	.25	(a)	99969	2.69	2.60						
99303	13.80	—	99975	7.23	—						
99310	3.45	(a)	99986	(a)	—						
99315	10.20	2.09	99987	(a)	—						
99321	9.86	2.41	99988	2.37	—						
99445	(a)	(a)									
99471	.67	—									
99505	5.52	—									
99506	6.79	—									
99507	5.92	—									
99570	3.18	(a)									
99571	.77	(a)									
99572	1.50	(a)									
99573	1.44	(a)									
99600	1.97	—									
99613	8.73	2.41									
99614	4.40	—									