

LOSS COSTS – IMPLEMENTATION

JULY 22, 2021

GENERAL LIABILITY

LI-GL-2021-220

TENNESSEE GENERAL LIABILITY ADVISORY PROSPECTIVE LOSS COST REVISION TO BE IMPLEMENTED

KEY MESSAGE

Revised overall prospective loss costs for -0.5% to be implemented.

UPGRADE TO WORD AND EXCEL DOCUMENTS

As previously noted, ISO is implementing changes to our authoring and delivery systems so that **newly created** documents will be delivered in Office 365 .docx/.xlsx format to be phased in by product/service. In addition to **form** documents, we are pleased to announce that during the third quarter 2021, you will be receiving **circular cover letter** and **Notice To Manualholders (NTM)** documents in .docx format delivered/accessed via Circulars, CLM, EFD, ERC, Filings, FIRST, Forms Library, PRM and Suite +. Changes continue for other document types to be phased in by product/service. Products impacted include, but are not limited to, documents delivered/accessed via Circulars, CLM, EFD, ERC, Filings, FIRST, Forms Library (including PolicyWriting Support Forms Instructional Supplement), PRM, Statistical Plans and Suite +.

BACKGROUND

In circular [LI-GL-2021-198](#), we provided you with information about the General Liability loss cost level experience review.

In [LI-GL-2020-227](#), a Loss Cost Addendum (LCADD) Page was added to the Commercial Lines Manual to provide loss cost information for new classes being introduced.

CONSIDERATION 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 by applying adjustment factors to the loss costs.

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 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 widespread viral resurgence or 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.

ISO ACTION

We are implementing GL-2021-BGL1, which presents a review of General Liability loss cost experience.

In this revision, the LCADD page is being removed and the loss costs for the classes included on the LCADD page are being added to the state loss cost manual pages.

Refer to the attachment(s) for complete details.

SUPPLEMENTARY INFORMATION

We are including the following supplementary information:

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

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

EFFECTIVE DATE

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

These changes are applicable to all policies written on or after June 1, 2022.

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.

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, 2022, the multiplier must be based on the relationship between your gross rates and the ISO advisory prospective loss costs contained in this circular.

COMPANY ACTION

You must independently determine the final rates you will use. 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 2, 2022. 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 Reference Filing Number GL-2021-BGL1, 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.

RATING SOFTWARE IMPACT

No new attributes are being introduced with this revision.

POLICYHOLDER NOTIFICATION

If you decide to implement this revision, you should check all applicable laws for the state(s) to which this revision applies, to determine whether or not a specific policyholder notice requirement may apply. Please note that circular [LI-CL-2021-004](#) contains the ISO Guide To Renewals With Changed Conditions For Commercial Lines, which is available only as a guide to assist participating companies in complying with various conditional renewal statutes or regulations, for the major commercial lines of insurance serviced by ISO. The information in the Guide does not necessarily reflect all requirements or exceptions that may apply, and it is not intended as a substitute for your review of all applicable statutes and regulations concerning policyholder notification.

REVISION DISTRIBUTION

We will issue a Notice to Manualholders with an edition date of 6-22 (or the earliest possible subsequent date), along with any new and/or revised manual pages.

REFERENCE(S)

- [LI-GL-2021-198](#) (06/09/2021) General Liability Basic Limit Experience For 2021 Group 3 Jurisdictions Reviewed By Staff
- [LI-CL-2021-004](#) (02/17/2021) Revised Lead Time Requirements Listing
- [LI-GL-2020-227](#) (12/31/2020) 2020 General Liability Multistate Loss Costs Mappings Addressing Cannabis Are Being Filed

ATTACHMENT(S)

- GL-2021-BGL1
- Actuarial Analysis Supplement
- Manual Pages
- Excel Workbook

FILES AVAILABLE FOR DOWNLOAD

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

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

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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.

ACKNOWLEDGMENT OF ACTUARIAL QUALIFICATIONS

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

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

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

TENNESSEE GL-2021-BGL1
BASIC LIMIT LOSS COST LEVEL
GENERAL LIABILITY OTHER THAN PROFESSIONAL
PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS
EXECUTIVE SUMMARY

PURPOSE	<p>This document:</p> <ul style="list-style-type: none">• revises current advisory prospective loss costs for Premises/Operations and Products/Completed Operations classes. These loss costs represent a -0.5% change from the current ISO loss costs. Please note that throughout this document the term loss costs means advisory prospective loss costs.• provides the analyses used to derive these advisory loss costs.
DEFINITION OF THE ISO ADVISORY PROSPECTIVE LOSS COSTS	<p>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.</p>
CONSIDERATION OF COVID-19	<p>In GL-2020-BGL1, loss costs for nine classification 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 H for details.</p> <p>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 M&C and OL&T. We will continue to seek the appropriate balance between the 2020 experience and the experience of other years used in the analyses to determine our prospective loss costs for future periods.</p> <p>Also, an adjustment factor was applied to the premium development factors for the latest accident year to reflect the reduced expected exposures for M&C 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 H for details.</p> <p>While there is still great uncertainty around COVID-19, the above referenced adjustments do not contemplate the possibility of widespread viral resurgence or 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.</p>

LOSS COST
LEVEL CHANGES

The statewide advisory loss cost level changes are:

<u>SUBLINE</u>	<u>INDICATED</u>	<u>SELECTED</u>
M&C	- 1.2%	- 1.2%
OL&T	- 2.7%	- 2.7%
Premises/Operations	- 1.9%	- 1.9%
Products	- 4.1%	- 4.1%
Local Products/Completed Operations	+ 8.4%	+ 8.4%
Products/Completed Operations	+ 5.0%	+ 5.0%
GL Overall	- 0.5%	- 0.5%

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-6 for the latest revisions in this jurisdiction.

INTRODUCTION
OF CANNABIS
CLASSIFICATION
CODES TO THE
STATE LOSS
COST PAGES

In the 2020 Commercial General Liability Rule Filing GL-2020-RMJRU, we introduced several Cannabis classification codes.

In the companion Loss Cost Revision GL-2020-RMJLC, we provided loss cost mappings for the new classifications.

In Section A of this revision we display loss costs for the manually rated classifications as follows:

10011	Cannabis Distributors – Other than hemp
10012	Hemp Distributors
10025	Cannabis-Containing Products Distributors – Other than hemp
10027	Hemp-Containing Products Distributors
10210	Cannabis Stores - NOC
10211	Cannabis Stores - Medical Dispensaries
50011	Cannabis Manufacturing – Other than hemp
50012	Hemp Manufacturing - NOC
50018	Cannabis-Containing Products Manufacturing – Other than hemp
50019	Hemp-Containing Products Manufacturing

These classifications will be added to the state loss cost pages with this revision.

The Loss Cost Mappings by Class Exhibit that was issued as a Loss Cost Addendum (LCADD) Page in the Commercial Lines Manual will be removed with this revision.

HISTORICAL
SOURCE DATA

The data used in this document is:

- ISO reporting companies' voluntary experience.
- Fiscal-accident year data through year ended 6/30/2020 for Premises/Operations.
- Calendar-accident year data through year ended 12/31/2019 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 6/1/2022. The Products/Completed Operations portion of this review uses a trend date of 7/1/2021 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 Section E, Section F and Section G - Trend Summary.

For Premises/Operations, occurrence cost data and occurrence frequency data through 6/30/2020 were used in selecting annual trend factors. For Products/Completed Operations, occurrence cost data and occurrence frequency data through 12/31/2019 were used.

ADJUSTMENTS
TO
REPORTED
EXPERIENCE
(Cont'd)

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 dollars of loss and number of occurrences contained in the trend exhibits are based on reported paid amounts developed to ultimate using paid development factors. This has been done in the interest of stability of ultimate loss and occurrence estimates from one review to another.

TEN
LARGEST
COMPANY
GROUPS IN
ISO
DATA
BASE

<u>OTHER LIABILITY (ASLOB 17.0)</u>		<u>PRODUCTS LIABILITY (ASLOB 18.0)</u>	
1	Travelers Indemnity Co.	1	Chubb Group of Insurance Cos.
2	Zurich American Insurance Co.	2	Zurich American Insurance Co.
3	Cincinnati Insurance Co.	3	Fireman's Fund Insurance Co.
4	Continental Casualty Co.	4	Travelers Indemnity Co.
5	Chubb Group of Insurance Cos.	5	Selective Insurance Group
6	Liberty Mutual Insurance Co.	6	Cincinnati Insurance Co.
7	XL Specialty Insurance Co.	7	Liberty Mutual Insurance Co.
8	Fireman's Fund Insurance Co.	8	United Fire & Casualty Co.
9	Selective Insurance Group	9	Continental Casualty Co.
10	Nationwide Mutual Insurance Co.	10	Nationwide Mutual Insurance Co.

Insurers are listed in descending order based on the percent of written premium volume from Statutory Page 14 Data for the year ending 12/31/2019 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 12/31/2019 is:

Statewide - Other Liability (ASLOB 17.0)	31.9%
Multistate - Products Liability (ASLOB 18.0)	39.8%

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-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 Ops Combined		+ 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 Ops Combined		- 2.7%	- 2.7%	- 2.7%
General Liability Overall	6/1/2020	+ 2.7%	+ 2.7%	+ 2.7%

Document: GL-2018-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		+ 1.0%	+ 1.0%	+ 1.0%
OL&T		+ 3.4%	+ 3.4%	+ 3.4%
Prem/Ops Combined		+ 2.3%	+ 2.3%	+ 2.3%
Products		- 7.4%	- 7.4%	- 7.4%
Local Products/Completed Ops		- 14.0%	- 14.0%	- 14.0%
Products/Completed Ops Combined		- 11.9%	- 11.9%	- 11.9%
General Liability Overall	6/1/2019	- 1.0%	- 1.0%	- 1.0%

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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 C)	- 2.8%	- 4.3%	- 3.5%				
Statewide Indicated Monoline Loss Cost Level Change (See Section C)	- 1.2%	- 2.7%	- 1.9%	- 4.1%*	+ 8.4%**	+ 5.0%	- 0.5%
Statewide Selected Monoline Loss Cost Level Change (See Section C)	- 1.2%	- 2.7%	- 1.9%	- 4.1%*	+ 8.4%	+ 5.0%	- 0.5%

* 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	\$ 2,648,659	+ 0.4%	+ 0.4%
503	Chattanooga, Knoxville and Nashville	6,165,005	- 3.6%	- 3.7%
504	Carter, Sullivan, Unicoi and Washington Counties	724,809	- 3.5%	- 3.4%
505	Remainder of State	9,062,787	- 2.9%	- 2.9%
	STATEWIDE TOTAL	\$ 18,601,260	- 2.7%	- 2.7%

TENNESSEE

PREMISES/OPERATIONS
CLASS GROUP LOSS COST LEVEL CHANGES

MANUFACTURERS AND CONTRACTORS LIABILITY INSURANCE

<u>CLASS GROUP</u>	<u>DESCRIPTION</u>	LATEST YEAR MONO/MULTI <u>ALCCL</u>	INDICATED LOSS COST LEVEL CHANGE <u>BEFORE CAPPING</u>	LOSS COST LEVEL CHANGE <u>AFTER CAPPING</u>
30	SERVICE	\$ 1,606,334	- 1.9%	- 2.7%
31	LIGHT CONTRACTING	2,732,004	+ 2.8%	+ 1.8%
32	MEDIUM CONTRACTING	6,772,484	- 1.1%	- 2.0%
33	HEAVY CONTRACTING	2,762,696	+ 0.7%	- 0.2%
34	DEALERS OR DISTRIBUTORS	1,381,745	- 2.4%	+ 0.1%
35	LIGHT MANUFACTURERS	259,916	- 6.2%	- 4.1%
36	MEDIUM MANUFACTURERS	1,390,721	- 5.8%	- 2.1%
37	HEAVY MANUFACTURERS	781,621	- 5.5%	- 3.4%
38	MISCELLANEOUS OPERATIONS	1,263,114	- 4.2%	- 1.8%
	TOTAL	\$ 18,950,635	- 1.2%	- 1.2%

OWNERS, LANDLORDS AND TENANTS LIABILITY INSURANCE

<u>CLASS GROUP</u>	<u>DESCRIPTION</u>	LATEST YEAR MONO/MULTI <u>ALCCL</u>	INDICATED LOSS COST LEVEL CHANGE <u>BEFORE CAPPING</u>	LOSS COST LEVEL CHANGE <u>AFTER CAPPING</u>
01	FOOD AND BEVERAGE (RETAIL)	\$ 1,138,972	+ 0.6%	+ 0.2%
02	RESTAURANTS	2,673,197	- 2.7%	- 2.8%
03	STORES	1,323,621	- 5.5%	- 5.7%
04	VENDING AND RENTAL	109,477	- 3.1%	- 3.1%
05	FOOD AND BEVERAGE DISTRIBUTORS	204,097	- 3.1%	- 3.0%
06	NON-(FOOD AND BEVERAGE) DISTRIB.	467,951	- 4.8%	- 4.7%
07	CLUBS, AMUSEMENTS AND SPORTS	1,329,242	+ 1.1%	+ 1.0%
08	HEALTH CARE FACILITIES	174,473	- 3.1%	- 3.3%
09	HOTELS AND MOTELS	1,757,517	- 6.9%	- 6.8%
10	SCHOOLS AND CHURCHES	1,967,864	+ 0.4%	+ 0.5%
11	APARTMENTS	1,457,587	- 3.3%	- 3.2%
12	BUILDINGS AND OFFICES	5,544,889	- 3.2%	- 3.0%
13	MISCELLANEOUS PREMISES	430,501	- 1.2%	- 1.0%
16	GOVERNMENTAL SUBDIVISIONS	21,872	- 3.4%	- 3.7%
	TOTAL	\$ 18,601,260	- 2.7%	- 2.7%

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	\$ 30,887,125	- 4.9%	\$ 402,165	- 3.2%	- 3.2%
04	DEALERS OR DISTRIBUTORS-NOT FOOD OR DRUG	39,017,316	- 8.3%	779,237	- 6.3%	- 6.3%
05	MANUFACTURERS-NOT FOOD OR DRUG-LOW	4,813,738	- 2.6%	55,094	+ 0.3%	+ 0.3%
06	MANUFACTURERS-NOT FOOD OR DRUG-MEDIUM	35,560,474	- 5.2%	922,294	- 3.4%	- 3.4%
07	MANUFACTURERS-NOT FOOD OR DRUG-HIGH	8,547,659	- 6.0%	401,580	- 2.8%	- 2.8%
	PRODUCTS SUBTOTAL	\$ 118,826,312	- 6.1%	\$ 2,560,370	- 4.1%	- 4.1%
01	RETAIL STORES-FOOD OR DRUG			\$ 237,633	- 4.6%	- 4.4%
02	RETAIL STORES-NOT FOOD OR DRUG			388,674	+ 9.3%	+ 7.9%
11	COMPLETED OPERATIONS-LOW			380,407	+ 10.9%	+ 11.3%
12	COMPLETED OPERATIONS-MEDIUM			5,426,906	+ 9.5%	+ 9.6%
13	COMPLETED OPERATIONS-HIGH			479,820	- 0.3%	- 0.3%
	LOCAL PRODUCTS/COMPLETED OPERATIONS SUBTOTAL			\$ 6,913,440	+ 8.4%	+ 8.4%
	TOTAL			\$ 9,473,810	+ 5.0%	+ 5.0%

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 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, these loss costs are calculated by applying the following procedures:

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.

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

- 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.

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

- Each proposed class loss cost is calculated as the class differential for that class times the proposed base loss cost for the class group and territory.

For Products, these loss costs are calculated as explained in Section F - Class Groups and Calculation of Proposed Class Loss Costs -- Products.

For Local Products/Completed Operations, these loss costs are calculated as explained in Section G - Class Groups and Calculation of Proposed Class Loss Costs -- Local Products/Completed Operations.

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 -21% relative to current loss costs;
- OL&T classes reflect an upper cap of +25% and a lower cap of -23% relative to current loss costs;
- Products classes reflect an upper cap of +25% and a lower cap of -26% relative to current multistate loss costs;
- Local Products/Completed Operations classes reflect an upper cap of +33% and a lower cap of -20% 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: 0.991

OL&T: 1.000

LP/CO: 1.006

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

STATE: 41 - TENNESSEE
 SUBLINE: PREM/OPS

LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
10010	501	.078	.080	-2.5	10040	505	.092	.096	-4.2	10072	504	3.400	3.460	-1.7
10010	503	.105	.112	-6.2	10042	501	.248	.250	-0.8	10072	505	5.280	5.370	-1.7
10010	504	.078	.082	-4.9	10042	503	.310	.330	-6.1	10073	501	1.060	1.060	0.0
10010	505	.120	.127	-5.5	10042	504	.390	.420	-7.1	10073	503	1.250	1.250	0.0
10011	501	.019	.019	0.0	10042	505	.450	.470	-4.3	10073	504	1.130	1.130	0.0
10011	503	.025	.027	-7.4	10052	501	4.080	3.900	4.6	10073	505	.900	.900	0.0
10011	504	.019	.020	-5.0	10052	503	3.460	3.440	0.6	10075	501	7.840	7.890	-0.6
10011	505	.029	.030	-3.3	10052	504	3.580	3.570	0.3	10075	503	9.280	9.270	0.1
10012	501	.022	.022	0.0	10052	505	4.030	4.010	0.5	10075	504	8.390	8.400	-0.1
10012	503	.029	.031	-6.5	10054	501	3.620	3.460	4.6	10075	505	6.680	6.650	0.5
10012	504	.022	.023	-4.3	10054	503	3.070	3.060	0.3	10100	501	1.080	1.040	3.8
10012	505	.033	.035	-5.7	10054	504	3.180	3.170	0.3	10100	503	1.100	1.100	0.0
10015	501	5.900	5.650	4.4	10054	505	3.570	3.550	0.6	10100	504	.730	.740	-1.4
10015	503	5.010	4.980	0.6	10060	501	.119	.122	-2.5	10100	505	1.100	1.090	0.9
10015	504	5.180	5.160	0.4	10060	503	.150	.159	-5.7	10101	501	.161	.165	-2.4
10015	505	5.820	5.790	0.5	10060	504	.186	.199	-6.5	10101	503	.203	.216	-6.0
10025	501	.019	.019	0.0	10060	505	.214	.227	-5.7	10101	504	.250	.270	-7.4
10025	503	.025	.027	-7.4	10065	501	.178	.182	-2.2	10101	505	.290	.310	-6.5
10025	504	.019	.020	-5.0	10065	503	.225	.239	-5.9	10105	501	1.740	1.780	-2.2
10025	505	.029	.030	-3.3	10065	504	.280	.300	-6.7	10105	503	2.190	2.340	-6.4
10026	501	.430	.440	-2.3	10065	505	.320	.340	-5.9	10105	504	2.730	2.910	-6.2
10026	503	.550	.580	-5.2	10066	501	.182	.186	-2.2	10105	505	3.130	3.330	-6.0
10026	504	.680	.720	-5.6	10066	503	.229	.244	-6.1	10107	501	3.230	3.250	-0.6
10026	505	.780	.830	-6.0	10066	504	.290	.300	-3.3	10107	503	3.820	3.820	0.0
10027	501	.019	.019	0.0	10066	505	.330	.350	-5.7	10107	504	3.450	3.460	-0.3
10027	503	.025	.027	-7.4	10070	501	.045	.046	-2.2	10107	505	2.750	2.740	0.4
10027	504	.019	.020	-5.0	10070	503	.060	.064	-6.2	10110	501	20.100	19.200	4.7
10027	505	.029	.030	-3.3	10070	504	.045	.047	-4.3	10110	503	17.100	16.900	1.2
10036	501	.680	.680	0.0	10070	505	.069	.072	-4.2	10110	504	17.600	17.600	0.0
10036	503	.800	.800	0.0	10071	501	.213	.218	-2.3	10110	505	19.800	19.700	0.5
10036	504	.730	.730	0.0	10071	503	.270	.290	-6.9	10111	501	.098	.100	-2.0
10036	505	.580	.580	0.0	10071	504	.330	.360	-8.3	10111	503	.132	.140	-5.7
10040	501	.060	.061	-1.6	10071	505	.380	.410	-7.3	10111	504	.098	.103	-4.9
10040	503	.080	.085	-5.9	10072	501	4.590	4.670	-1.7	10111	505	.151	.158	-4.4
10040	504	.059	.063	-6.3	10072	503	4.990	5.090	-2.0	10113	501	.241	.247	-2.4

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STATE: 41 - TENNESSEE
 SUBLINE: PREM/OPS

LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
10113	503	.300	.320	-6.3	10145	501	.270	.270	0.0	10211	505	.480	.510	-5.9
10113	504	.380	.400	-5.0	10145	503	.290	.300	-3.3	10220	501	3.160	3.230	-2.2
10113	505	.430	.460	-6.5	10145	504	.340	.350	-2.9	10220	503	3.980	4.240	-6.1
10115	501	.480	.490	-2.0	10145	505	.320	.330	-3.0	10220	504	4.960	5.280	-6.1
10115	503	.600	.640	-6.3	10146	501	.480	.460	4.3	10220	505	5.680	6.040	-6.0
10115	504	.750	.800	-6.3	10146	503	.490	.490	0.0	10255	501	.250	.250	0.0
10115	505	.860	.920	-6.5	10146	504	.330	.330	0.0	10255	503	.300	.300	0.0
10117	501	5.860	5.610	4.5	10146	505	.490	.490	0.0	10255	504	.270	.270	0.0
10117	503	4.980	4.950	0.6	10150	501	.330	.340	-2.9	10255	505	.214	.213	0.5
10117	504	5.150	5.130	0.4	10150	503	.420	.450	-6.7	10256	501	.920	.930	-1.1
10117	505	5.780	5.750	0.5	10150	504	.520	.560	-7.1	10256	503	1.090	1.090	0.0
10120	501	13.100	12.600	4.0	10150	505	.600	.630	-4.8	10256	504	.980	.990	-1.0
10120	503	11.200	11.100	0.9	10151	501	8.370	8.560	-2.2	10256	505	.780	.780	0.0
10120	504	11.500	11.500	0.0	10151	503	10.500	11.200	-6.3	10257	501	.174	.175	-0.6
10120	505	13.000	12.900	0.8	10151	504	13.100	14.000	-6.4	10257	503	.205	.205	0.0
10130	501	2.370	2.430	-2.5	10151	505	15.000	16.000	-6.3	10257	504	.186	.186	0.0
10130	503	2.990	3.190	-6.3	10160	501	1.490	1.520	-2.0	10257	505	.148	.147	0.7
10130	504	3.720	3.970	-6.3	10160	503	1.880	2.000	-6.0	10309	501	.108	.111	-2.7
10130	505	4.270	4.540	-5.9	10160	504	2.340	2.490	-6.0	10309	503	.137	.145	-5.5
10132	501	2.050	2.090	-1.9	10160	505	2.680	2.850	-6.0	10309	504	.170	.181	-6.1
10132	503	2.580	2.740	-5.8	10204	501	.150	.154	-2.6	10309	505	.195	.207	-5.8
10132	504	3.210	3.420	-6.1	10204	503	.190	.202	-5.9	10315	501	.260	.260	0.0
10132	505	3.670	3.910	-6.1	10204	504	.236	.250	-5.6	10315	503	.320	.340	-5.9
10133	501	4.260	4.260	0.0	10204	505	.270	.290	-6.9	10315	504	.400	.430	-7.0
10133	503	4.130	4.290	-3.7	10205	501	.168	.172	-2.3	10315	505	.460	.490	-6.1
10133	504	3.740	3.880	-3.6	10205	503	.212	.225	-5.8	10331	501	8.000	7.660	4.4
10133	505	3.080	3.190	-3.4	10205	504	.260	.280	-7.1	10331	503	6.790	6.750	0.6
10140	501	.028	.028	0.0	10205	505	.300	.320	-6.3	10331	504	7.030	7.000	0.4
10140	503	.030	.031	-3.2	10210	501	.270	.270	0.0	10331	505	7.900	7.850	0.6
10140	504	.035	.037	-5.4	10210	503	.340	.360	-5.6	10332	501	13.800	13.200	4.5
10140	505	.033	.034	-2.9	10210	504	.420	.450	-6.7	10332	503	11.700	11.600	0.9
10141	501	.055	.055	0.0	10210	505	.480	.510	-5.9	10332	504	12.100	12.100	0.0
10141	503	.059	.062	-4.8	10211	501	.270	.270	0.0	10332	505	13.600	13.500	0.7
10141	504	.070	.073	-4.1	10211	503	.340	.360	-5.6	10352	501	.630	.610	3.3
10141	505	.067	.069	-2.9	10211	504	.420	.450	-6.7	10352	503	.640	.640	0.0

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STATE: 41 - TENNESSEE
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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
10352	504	.430	.430	0.0	11039	503	1.090	1.090	0.0	11201	501	15.100	15.400	-1.9
10352	505	.640	.640	0.0	11039	504	.980	.980	0.0	11201	503	16.400	16.700	-1.8
10367	501	4.060	4.130	-1.7	11039	505	.780	.780	0.0	11201	504	11.200	11.400	-1.8
10367	503	4.410	4.500	-2.0	11052	501	4.430	4.430	0.0	11201	505	17.400	17.700	-1.7
10367	504	3.010	3.060	-1.6	11052	503	4.300	4.460	-3.6	11202	501	4.470	4.540	-1.5
10367	505	4.670	4.750	-1.7	11052	504	3.890	4.030	-3.5	11202	503	4.860	4.950	-1.8
10368	501	5.930	6.030	-1.7	11052	505	3.200	3.320	-3.6	11202	504	3.310	3.370	-1.8
10368	503	6.450	6.570	-1.8	11126	501	.042	.043	-2.3	11202	505	5.140	5.230	-1.7
10368	504	4.390	4.470	-1.8	11126	503	.053	.056	-5.4	11203	501	.580	.590	-1.7
10368	505	6.820	6.940	-1.7	11126	504	.066	.070	-5.7	11203	503	.780	.830	-6.0
10378	501	8.100	7.750	4.5	11126	505	.075	.080	-6.2	11203	504	.580	.610	-4.9
10378	503	6.880	6.840	0.6	11127	501	.249	.250	-0.4	11203	505	.890	.940	-5.3
10378	504	7.110	7.090	0.3	11127	503	.340	.360	-5.6	11204	501	.210	.215	-2.3
10378	505	8.000	7.950	0.6	11127	504	.249	.260	-4.2	11204	503	.260	.280	-7.1
10379	501	3.760	3.600	4.4	11127	505	.380	.400	-5.0	11204	504	.330	.350	-5.7
10379	503	3.190	3.170	0.6	11128	501	.340	.340	0.0	11204	505	.380	.400	-5.0
10379	504	3.300	3.290	0.3	11128	503	.450	.480	-6.3	11206	501	.700	.710	-1.4
10379	505	3.710	3.690	0.5	11128	504	.340	.350	-2.9	11206	503	.760	.780	-2.6
10380	501	6.420	6.140	4.6	11128	505	.520	.540	-3.7	11206	504	.520	.530	-1.9
10380	503	5.450	5.420	0.6	11138	501	2.000	1.910	4.7	11206	505	.810	.820	-1.2
10380	504	5.640	5.620	0.4	11138	503	1.700	1.690	0.6	11207	501	8.850	9.000	-1.7
10380	505	6.340	6.300	0.6	11138	504	1.760	1.750	0.6	11207	503	9.620	9.810	-1.9
10381	501	5.560	5.320	4.5	11138	505	1.970	1.960	0.5	11207	504	6.560	6.680	-1.8
10381	503	4.720	4.690	0.6	11155	501	.143	.147	-2.7	11207	505	10.200	10.400	-1.9
10381	504	4.880	4.870	0.2	11155	503	.181	.192	-5.7	11208	501	1.520	1.540	-1.3
10381	505	5.490	5.460	0.5	11155	504	.225	.240	-6.3	11208	503	1.650	1.680	-1.8
11007	501	1.730	1.750	-1.1	11155	505	.260	.270	-3.7	11208	504	1.120	1.140	-1.8
11007	503	1.880	1.910	-1.6	11167	501	1.020	1.020	0.0	11208	505	1.740	1.780	-2.2
11007	504	1.280	1.300	-1.5	11167	503	.990	1.030	-3.9	11209	501	7.120	7.240	-1.7
11007	505	1.990	2.020	-1.5	11167	504	.900	.930	-3.2	11209	503	7.740	7.900	-2.0
11020	501	.203	.208	-2.4	11167	505	.740	.770	-3.9	11209	504	5.280	5.370	-1.7
11020	503	.260	.270	-3.7	11168	501	5.300	5.290	0.2	11209	505	8.190	8.340	-1.8
11020	504	.320	.340	-5.9	11168	503	5.140	5.330	-3.6	11210	501	3.030	3.080	-1.6
11020	505	.360	.390	-7.7	11168	504	4.640	4.820	-3.7	11210	503	3.300	3.360	-1.8
11039	501	.920	.920	0.0	11168	505	3.830	3.970	-3.5	11210	504	2.250	2.290	-1.7

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STATE: 41 - TENNESSEE
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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
11210	505	3.490	3.550	-1.7	11259	504	.940	.950	-1.1	12374	503	.520	.550	-5.5
11211	501	15.800	16.000	-1.3	11259	505	1.410	1.410	0.0	12374	504	.650	.690	-5.8
11211	503	17.100	17.500	-2.3	11273	501	9.360	9.580	-2.3	12374	505	.740	.790	-6.3
11211	504	11.700	11.900	-1.7	11273	503	11.800	12.600	-6.3	12375	501	.203	.208	-2.4
11211	505	18.100	18.500	-2.2	11273	504	14.700	15.600	-5.8	12375	503	.260	.270	-3.7
11212	501	2.380	2.420	-1.7	11273	505	16.800	17.900	-6.1	12375	504	.320	.340	-5.9
11212	503	2.590	2.640	-1.9	11274	501	8.990	9.190	-2.2	12375	505	.360	.390	-7.7
11212	504	1.770	1.800	-1.7	11274	503	11.300	12.100	-6.6	12391	501	.037	.038	-2.6
11212	505	2.740	2.790	-1.8	11274	504	14.100	15.000	-6.0	12391	503	.050	.053	-5.7
11213	501	1.940	1.980	-2.0	11274	505	16.100	17.200	-6.4	12391	504	.037	.039	-5.1
11213	503	2.110	2.160	-2.3	11288	501	1.600	1.530	4.6	12391	505	.057	.060	-5.0
11213	504	1.440	1.470	-2.0	11288	503	1.620	1.620	0.0	12393	501	.270	.280	-3.6
11213	505	2.240	2.280	-1.8	11288	504	1.080	1.090	-0.9	12393	503	.340	.360	-5.6
11214	501	4.790	4.870	-1.6	11288	505	1.620	1.610	0.6	12393	504	.420	.450	-6.7
11214	503	5.210	5.310	-1.9	12014	501	.103	.104	-1.0	12393	505	.480	.510	-5.9
11214	504	3.550	3.610	-1.7	12014	503	.122	.122	0.0	12467	501	.112	.115	-2.6
11214	505	5.510	5.610	-1.8	12014	504	.110	.111	-0.9	12467	503	.141	.150	-6.0
11222	501	.081	.082	-1.2	12014	505	.088	.087	1.1	12467	504	.175	.187	-6.4
11222	503	.088	.089	-1.1	12356	501	.790	.810	-2.5	12467	505	.201	.214	-6.1
11222	504	.060	.061	-1.6	12356	503	1.000	1.060	-5.7	12509	501	.063	.063	0.0
11222	505	.093	.094	-1.1	12356	504	1.240	1.330	-6.8	12509	503	.074	.074	0.0
11234	501	.189	.193	-2.1	12356	505	1.430	1.520	-5.9	12509	504	.067	.067	0.0
11234	503	.238	.250	-4.8	12361	501	.060	.060	0.0	12509	505	.054	.053	1.9
11234	504	.300	.320	-6.3	12361	503	.065	.067	-3.0	12510	501	.800	.800	0.0
11234	505	.340	.360	-5.6	12361	504	.076	.079	-3.8	12510	503	.940	.940	0.0
11248	501	.048	.048	0.0	12361	505	.072	.075	-4.0	12510	504	.850	.850	0.0
11248	503	.057	.057	0.0	12362	501	.049	.050	-2.0	12510	505	.680	.680	0.0
11248	504	.051	.051	0.0	12362	503	.066	.070	-5.7	12583	501	.350	.360	-2.8
11248	505	.041	.041	0.0	12362	504	.049	.052	-5.8	12583	503	.420	.420	0.0
11258	501	1.300	1.250	4.0	12362	505	.076	.080	-5.0	12583	504	.380	.380	0.0
11258	503	1.330	1.320	0.8	12373	501	.019	.019	0.0	12583	505	.300	.300	0.0
11258	504	.880	.890	-1.1	12373	503	.025	.027	-7.4	12651	501	1.030	1.040	-1.0
11258	505	1.320	1.320	0.0	12373	504	.019	.020	-5.0	12651	503	1.220	1.220	0.0
11259	501	1.400	1.340	4.5	12373	505	.029	.030	-3.3	12651	504	1.110	1.110	0.0
11259	503	1.420	1.420	0.0	12374	501	.410	.420	-2.4	12651	505	.880	.880	0.0

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CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
12683	501	.470	.480	-2.1	13112	505	.061	.064	-4.7	13453	504	.600	.600	0.0
12683	503	.560	.560	0.0	13201	501	.910	.920	-1.1	13453	505	.480	.480	0.0
12683	504	.510	.510	0.0	13201	503	1.080	1.080	0.0	13454	501	.660	.660	0.0
12683	505	.400	.400	0.0	13201	504	.980	.980	0.0	13454	503	.780	.780	0.0
12707	501	.320	.330	-3.0	13201	505	.780	.770	1.3	13454	504	.700	.710	-1.4
12707	503	.430	.460	-6.5	13204	501	1.030	1.040	-1.0	13454	505	.560	.560	0.0
12707	504	.320	.340	-5.9	13204	503	1.220	1.220	0.0	13455	501	.670	.670	0.0
12707	505	.500	.520	-3.8	13204	504	1.110	1.110	0.0	13455	503	.790	.790	0.0
12797	501	.068	.069	-1.4	13204	505	.880	.880	0.0	13455	504	.720	.720	0.0
12797	503	.091	.097	-6.2	13205	501	.400	.400	0.0	13455	505	.570	.570	0.0
12797	504	.068	.071	-4.2	13205	503	.470	.470	0.0	13506	501	.620	.630	-1.6
12797	505	.105	.110	-4.5	13205	504	.430	.430	0.0	13506	503	.780	.830	-6.0
12805	501	.217	.222	-2.3	13205	505	.340	.340	0.0	13506	504	.970	1.030	-5.8
12805	503	.270	.290	-6.9	13314	501	.080	.082	-2.4	13506	505	1.110	1.180	-5.9
12805	504	.340	.360	-5.6	13314	503	.101	.108	-6.5	13507	501	.740	.760	-2.6
12805	505	.390	.410	-4.9	13314	504	.126	.134	-6.0	13507	503	.930	.990	-6.1
12841	501	.360	.370	-2.7	13314	505	.144	.154	-6.5	13507	504	1.160	1.240	-6.5
12841	503	.450	.480	-6.3	13351	501	.196	.200	-2.0	13507	505	1.330	1.420	-6.3
12841	504	.560	.600	-6.7	13351	503	.247	.260	-5.0	13590	501	.500	.500	0.0
12841	505	.650	.690	-5.8	13351	504	.310	.330	-6.1	13590	503	.590	.590	0.0
12927	501	.063	.064	-1.6	13351	505	.350	.370	-5.4	13590	504	.530	.530	0.0
12927	503	.079	.084	-6.0	13352	501	.199	.204	-2.5	13590	505	.420	.420	0.0
12927	504	.099	.105	-5.7	13352	503	.250	.270	-7.4	13621	501	.126	.127	-0.8
12927	505	.113	.120	-5.8	13352	504	.310	.330	-6.1	13621	503	.149	.149	0.0
13049	501	.031	.031	0.0	13352	505	.360	.380	-5.3	13621	504	.135	.135	0.0
13049	503	.034	.035	-2.9	13410	501	1.450	1.450	0.0	13621	505	.107	.107	0.0
13049	504	.039	.041	-4.9	13410	503	1.710	1.710	0.0	13670	501	.034	.034	0.0
13049	505	.038	.039	-2.6	13410	504	1.550	1.550	0.0	13670	503	.036	.038	-5.3
13111	501	1.210	1.160	4.3	13410	505	1.230	1.230	0.0	13670	504	.043	.044	-2.3
13111	503	1.230	1.230	0.0	13412	501	.490	.490	0.0	13670	505	.041	.042	-2.4
13111	504	.820	.820	0.0	13412	503	.580	.580	0.0	13673	501	.990	.950	4.2
13111	505	1.220	1.220	0.0	13412	504	.520	.520	0.0	13673	503	1.000	1.000	0.0
13112	501	.051	.051	0.0	13412	505	.420	.410	2.4	13673	504	.670	.670	0.0
13112	503	.055	.057	-3.5	13453	501	.560	.570	-1.8	13673	505	1.000	1.000	0.0
13112	504	.065	.067	-3.0	13453	503	.670	.670	0.0	13715	501	.049	.050	-2.0

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13715	503	.066	.070	-5.7	14405	501	1.010	1.030	-1.9	14913	505	.400	.430	-7.0
13715	504	.049	.052	-5.8	14405	503	1.100	1.120	-1.8	15062	501	.199	.200	-0.5
13715	505	.076	.080	-5.0	14405	504	.750	.770	-2.6	15062	503	.235	.235	0.0
13716	501	.300	.310	-3.2	14405	505	1.170	1.190	-1.7	15062	504	.213	.213	0.0
13716	503	.380	.410	-7.3	14527	501	.200	.204	-2.0	15062	505	.169	.168	0.6
13716	504	.480	.510	-5.9	14527	503	.270	.290	-6.9	15063	501	.231	.233	-0.9
13716	505	.550	.580	-5.2	14527	504	.200	.211	-5.2	15063	503	.270	.270	0.0
13720	501	.560	.530	5.7	14527	505	.310	.320	-3.1	15063	504	.248	.248	0.0
13720	503	.570	.570	0.0	14655	501	.059	.061	-3.3	15063	505	.197	.196	0.5
13720	504	.380	.380	0.0	14655	503	.075	.080	-6.2	15070	501	.136	.138	-1.4
13720	505	.560	.560	0.0	14655	504	.093	.099	-6.1	15070	503	.148	.151	-2.0
13759	501	.119	.122	-2.5	14655	505	.107	.114	-6.1	15070	504	.101	.103	-1.9
13759	503	.150	.159	-5.7	14731	501	4.400	4.390	0.2	15070	505	.156	.159	-1.9
13759	504	.186	.199	-6.5	14731	503	4.270	4.420	-3.4	15123	501	4.250	4.250	0.0
13759	505	.214	.227	-5.7	14731	504	3.860	4.000	-3.5	15123	503	4.120	4.280	-3.7
13930	501	.105	.107	-1.9	14731	505	3.180	3.300	-3.6	15123	504	3.730	3.870	-3.6
13930	503	.141	.149	-5.4	14732	501	.330	.330	0.0	15123	505	3.070	3.190	-3.8
13930	504	.105	.110	-4.5	14732	503	.320	.330	-3.0	15124	501	1.490	1.490	0.0
13930	505	.161	.170	-5.3	14732	504	.290	.300	-3.3	15124	503	1.440	1.500	-4.0
14068	501	.026	.027	-3.7	14732	505	.235	.244	-3.7	15124	504	1.300	1.350	-3.7
14068	503	.033	.035	-5.7	14733	501	.420	.430	-2.3	15124	505	1.070	1.110	-3.6
14068	504	.041	.044	-6.8	14733	503	.520	.560	-7.1	15188	501	.350	.350	0.0
14068	505	.047	.050	-6.0	14733	504	.650	.700	-7.1	15188	503	.410	.410	0.0
14101	501	.310	.310	0.0	14733	505	.750	.790	-5.1	15188	504	.370	.370	0.0
14101	503	.390	.410	-4.9	14734	501	.178	.182	-2.2	15188	505	.300	.300	0.0
14101	504	.480	.510	-5.9	14734	503	.225	.239	-5.9	15223	501	.040	.040	0.0
14101	505	.550	.590	-6.8	14734	504	.280	.300	-6.7	15223	503	.043	.044	-2.3
14279	501	.480	.480	0.0	14734	505	.320	.340	-5.9	15223	504	.050	.052	-3.8
14279	503	.570	.570	0.0	14855	501	.221	.223	-0.9	15223	505	.048	.049	-2.0
14279	504	.510	.510	0.0	14855	503	.260	.260	0.0	15224	501	.590	.570	3.5
14279	505	.410	.410	0.0	14855	504	.237	.237	0.0	15224	503	.600	.600	0.0
14401	501	1.310	1.260	4.0	14855	505	.189	.188	0.5	15224	504	.400	.400	0.0
14401	503	1.340	1.330	0.8	14913	501	.224	.229	-2.2	15224	505	.600	.590	1.7
14401	504	.890	.890	0.0	14913	503	.280	.300	-6.7	15314	501	.143	.147	-2.7
14401	505	1.330	1.330	0.0	14913	504	.350	.370	-5.4	15314	503	.181	.192	-5.7

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15314	504	.225	.240	-6.3	15656	503	5.340	5.680	-6.0	16403	501	.600	.620	-3.2
15314	505	.260	.270	-3.7	15656	504	6.640	7.080	-6.2	16403	503	.760	.810	-6.2
15404	501	.091	.091	0.0	15656	505	7.610	8.090	-5.9	16403	504	.940	1.010	-6.9
15404	503	.107	.107	0.0	15699	501	.440	.450	-2.2	16403	505	1.080	1.150	-6.1
15404	504	.097	.097	0.0	15699	503	.480	.490	-2.0	16404	501	.760	.780	-2.6
15404	505	.077	.077	0.0	15699	504	.330	.330	0.0	16404	503	.960	1.020	-5.9
15405	501	.133	.134	-0.7	15699	505	.510	.510	0.0	16404	504	1.190	1.270	-6.3
15405	503	.158	.158	0.0	15733	501	.221	.223	-0.9	16404	505	1.360	1.450	-6.2
15405	504	.143	.143	0.0	15733	503	.260	.260	0.0	16471	501	.250	.260	-3.8
15405	505	.114	.113	0.9	15733	504	.237	.237	0.0	16471	503	.270	.280	-3.6
15406	501	.340	.340	0.0	15733	505	.189	.188	0.5	16471	504	.186	.189	-1.6
15406	503	.400	.400	0.0	15839	501	.192	.197	-2.5	16471	505	.290	.290	0.0
15406	504	.360	.360	0.0	15839	503	.242	.260	-6.9	16501	501	.055	.056	-1.8
15406	505	.290	.290	0.0	15839	504	.300	.320	-6.3	16501	503	.074	.079	-6.3
15488	501	.850	.850	0.0	15839	505	.350	.370	-5.4	16501	504	.055	.058	-5.2
15488	503	1.000	1.000	0.0	15991	501	.157	.161	-2.5	16501	505	.085	.089	-4.5
15488	504	.910	.910	0.0	15991	503	.198	.211	-6.2	16527	501	.085	.086	-1.2
15488	505	.720	.720	0.0	15991	504	.247	.260	-5.0	16527	503	.114	.121	-5.8
15538	501	.260	.260	0.0	15991	505	.280	.300	-6.7	16527	504	.084	.089	-5.6
15538	503	.320	.340	-5.9	15993	501	.133	.136	-2.2	16527	505	.130	.137	-5.1
15538	504	.400	.430	-7.0	15993	503	.167	.178	-6.2	16588	501	.126	.127	-0.8
15538	505	.460	.490	-6.1	15993	504	.208	.222	-6.3	16588	503	.149	.149	0.0
15600	501	.640	.660	-3.0	15993	505	.239	.250	-4.4	16588	504	.135	.135	0.0
15600	503	.810	.860	-5.8	16005	501	.026	.027	-3.7	16588	505	.107	.107	0.0
15600	504	1.010	1.080	-6.5	16005	503	.035	.037	-5.4	16604	501	.211	.213	-0.9
15600	505	1.160	1.230	-5.7	16005	504	.026	.027	-3.7	16604	503	.250	.250	0.0
15607	501	.178	.181	-1.7	16005	505	.040	.042	-4.8	16604	504	.226	.226	0.0
15607	503	.193	.197	-2.0	16009	501	.270	.270	0.0	16604	505	.180	.179	0.6
15607	504	.132	.134	-1.5	16009	503	.320	.320	0.0	16670	501	3.320	3.180	4.4
15607	505	.205	.208	-1.4	16009	504	.290	.290	0.0	16670	503	2.820	2.800	0.7
15608	501	.143	.147	-2.7	16009	505	.231	.230	0.4	16670	504	2.920	2.910	0.3
15608	503	.181	.192	-5.7	16402	501	.950	.970	-2.1	16670	505	3.280	3.260	0.6
15608	504	.225	.240	-6.3	16402	503	1.200	1.280	-6.2	16676	501	.199	.204	-2.5
15608	505	.260	.270	-3.7	16402	504	1.490	1.590	-6.3	16676	503	.250	.270	-7.4
15656	501	4.240	4.330	-2.1	16402	505	1.710	1.820	-6.0	16676	504	.310	.330	-6.1

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16676	505	.360	.380	-5.3	16891	504	.164	.164	0.0	16915	503	1.410	1.460	-3.4
16694	501	.420	.420	0.0	16891	505	.131	.130	0.8	16915	504	1.460	1.510	-3.3
16694	503	.490	.490	0.0	16892	501	.280	.280	0.0	16915	505	1.620	1.670	-3.0
16694	504	.450	.450	0.0	16892	503	.330	.330	0.0	16916	501	1.190	1.180	0.8
16694	505	.360	.350	2.9	16892	504	.300	.300	0.0	16916	503	1.170	1.210	-3.3
16705	501	.157	.160	-1.9	16892	505	.238	.237	0.4	16916	504	1.210	1.260	-4.0
16705	503	.211	.224	-5.8	16900	501	2.320	2.300	0.9	16916	505	1.350	1.390	-2.9
16705	504	.157	.165	-4.8	16900	503	2.290	2.370	-3.4	16920	501	3.160	3.140	0.6
16705	505	.242	.250	-3.2	16900	504	2.360	2.450	-3.7	16920	503	3.130	3.230	-3.1
16750	501	.070	.072	-2.8	16900	505	2.630	2.710	-3.0	16920	504	3.230	3.340	-3.3
16750	503	.088	.094	-6.4	16901	501	1.490	1.480	0.7	16920	505	3.590	3.700	-3.0
16750	504	.110	.117	-6.0	16901	503	1.470	1.520	-3.3	16921	501	2.890	2.870	0.7
16750	505	.126	.134	-6.0	16901	504	1.520	1.570	-3.2	16921	503	2.860	2.950	-3.1
16751	501	.070	.072	-2.8	16901	505	1.690	1.740	-2.9	16921	504	2.950	3.050	-3.3
16751	503	.088	.094	-6.4	16902	501	1.260	1.250	0.8	16921	505	3.280	3.380	-3.0
16751	504	.110	.117	-6.0	16902	503	1.250	1.290	-3.1	16930	501	1.820	1.810	0.6
16751	505	.126	.134	-6.0	16902	504	1.290	1.330	-3.0	16930	503	1.800	1.860	-3.2
16819	501	1.200	1.210	-0.8	16902	505	1.430	1.470	-2.7	16930	504	1.860	1.920	-3.1
16819	503	1.420	1.420	0.0	16905	501	2.440	2.420	0.8	16930	505	2.060	2.130	-3.3
16819	504	1.290	1.290	0.0	16905	503	2.410	2.490	-3.2	16931	501	1.960	1.950	0.5
16819	505	1.020	1.020	0.0	16905	504	2.490	2.570	-3.1	16931	503	1.940	2.000	-3.0
16820	501	.930	.940	-1.1	16905	505	2.760	2.850	-3.2	16931	504	2.000	2.070	-3.4
16820	503	1.100	1.100	0.0	16906	501	1.560	1.550	0.6	16931	505	2.220	2.290	-3.1
16820	504	1.000	1.000	0.0	16906	503	1.540	1.590	-3.1	16940	501	3.950	3.920	0.8
16820	505	.790	.790	0.0	16906	504	1.590	1.640	-3.0	16940	503	3.900	4.030	-3.2
16881	501	1.090	1.120	-2.7	16906	505	1.770	1.820	-2.7	16940	504	4.030	4.170	-3.4
16881	503	1.380	1.470	-6.1	16910	501	1.390	1.380	0.7	16940	505	4.480	4.620	-3.0
16881	504	1.720	1.830	-6.0	16910	503	1.370	1.420	-3.5	16941	501	1.580	1.570	0.6
16881	505	1.970	2.090	-5.7	16910	504	1.420	1.470	-3.4	16941	503	1.560	1.610	-3.1
16890	501	.141	.142	-0.7	16910	505	1.580	1.630	-3.1	16941	504	1.610	1.670	-3.6
16890	503	.167	.167	0.0	16911	501	1.260	1.250	0.8	16941	505	1.790	1.850	-3.2
16890	504	.151	.151	0.0	16911	503	1.250	1.290	-3.1	18078	501	.089	.091	-2.2
16890	505	.120	.119	0.8	16911	504	1.290	1.330	-3.0	18078	503	.120	.127	-5.5
16891	501	.153	.154	-0.6	16911	505	1.430	1.470	-2.7	18078	504	.089	.094	-5.3
16891	503	.182	.181	0.6	16915	501	1.430	1.420	0.7	18078	505	.137	.144	-4.9

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
18109	501	.260	.270	-3.7	18438	505	1.210	1.280	-5.5	18834	504	.310	.330	-6.1
18109	503	.330	.350	-5.7	18501	501	1.050	1.010	4.0	18834	505	.360	.380	-5.3
18109	504	.410	.440	-6.8	18501	503	1.070	1.070	0.0	18911	501	.630	.640	-1.6
18109	505	.470	.500	-6.0	18501	504	.710	.710	0.0	18911	503	.790	.840	-6.0
18110	501	.210	.215	-2.3	18501	505	1.060	1.060	0.0	18911	504	.990	1.050	-5.7
18110	503	.260	.280	-7.1	18506	501	.440	.450	-2.2	18911	505	1.130	1.200	-5.8
18110	504	.330	.350	-5.7	18506	503	.520	.520	0.0	18912	501	1.190	1.210	-1.7
18110	505	.380	.400	-5.0	18506	504	.470	.470	0.0	18912	503	1.490	1.590	-6.3
18205	501	.137	.140	-2.1	18506	505	.380	.380	0.0	18912	504	1.860	1.980	-6.1
18205	503	.185	.196	-5.6	18507	501	.126	.129	-2.3	18912	505	2.130	2.260	-5.8
18205	504	.137	.145	-5.5	18507	503	.159	.169	-5.9	18920	501	.310	.310	0.0
18205	505	.211	.222	-5.0	18507	504	.197	.210	-6.2	18920	503	.390	.410	-4.9
18206	501	.340	.350	-2.9	18507	505	.226	.240	-5.8	18920	504	.480	.510	-5.9
18206	503	.430	.460	-6.5	18570	501	1.320	1.350	-2.2	18920	505	.550	.590	-6.8
18206	504	.530	.570	-7.0	18570	503	1.660	1.760	-5.7	19007	501	1.660	1.660	0.0
18206	505	.610	.650	-6.2	18570	504	2.060	2.200	-6.4	19007	503	1.610	1.670	-3.6
18335	501	.245	.250	-2.0	18570	505	2.360	2.510	-6.0	19007	504	1.460	1.510	-3.3
18335	503	.310	.330	-6.1	18616	501	.340	.340	0.0	19007	505	1.200	1.250	-4.0
18335	504	.380	.410	-7.3	18616	503	.400	.400	0.0	19051	501	3.680	3.680	0.0
18335	505	.440	.470	-6.4	18616	504	.360	.360	0.0	19051	503	3.570	3.710	-3.8
18435	501	1.150	1.100	4.5	18616	505	.290	.290	0.0	19051	504	3.230	3.350	-3.6
18435	503	1.170	1.160	0.9	18707	501	.007	.008	-12.5	19051	505	2.660	2.760	-3.6
18435	504	.770	.780	-1.3	18707	503	.010	.011	-9.1	19795	501	.206	.211	-2.4
18435	505	1.160	1.160	0.0	18707	504	.007	.008	-12.5	19795	503	.260	.280	-7.1
18436	501	.920	.890	3.4	18707	505	.011	.012	-8.3	19795	504	.320	.340	-5.9
18436	503	.940	.940	0.0	18708	501	.077	.079	-2.5	19795	505	.370	.390	-5.1
18436	504	.620	.630	-1.6	18708	503	.097	.103	-5.8	19796	501	.241	.247	-2.4
18436	505	.940	.930	1.1	18708	504	.121	.129	-6.2	19796	503	.300	.320	-6.3
18437	501	.350	.360	-2.8	18708	505	.138	.147	-6.1	19796	504	.380	.400	-5.0
18437	503	.440	.470	-6.4	18833	501	.088	.090	-2.2	19796	505	.430	.460	-6.5
18437	504	.550	.580	-5.2	18833	503	.119	.126	-5.6	40045	501	184.000	176.000	4.5
18437	505	.630	.670	-6.0	18833	504	.088	.093	-5.4	40045	503	156.000	155.000	0.6
18438	501	.670	.690	-2.9	18833	505	.136	.142	-4.2	40045	504	161.000	161.000	0.0
18438	503	.850	.900	-5.6	18834	501	.199	.204	-2.5	40045	505	182.000	181.000	0.6
18438	504	1.050	1.120	-6.3	18834	503	.250	.270	-7.4	40046	501	36.300	34.800	4.3

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40046	503	30.900	30.700	0.7	40111	501	6.520	6.240	4.5	41650	505	14.700	14.700	0.0
40046	504	31.900	31.800	0.3	40111	503	5.540	5.500	0.7	41664	501	27.800	26.600	4.5
40046	505	35.900	35.700	0.6	40111	504	5.730	5.710	0.4	41664	503	23.600	23.500	0.4
40047	501	13.000	12.400	4.8	40111	505	6.440	6.400	0.6	41664	504	24.400	24.400	0.0
40047	503	11.000	10.900	0.9	41001	501	.220	.211	4.3	41664	505	27.500	27.300	0.7
40047	504	11.400	11.300	0.9	41001	503	.187	.186	0.5	41665	501	3.260	3.120	4.5
40047	505	12.800	12.700	0.8	41001	504	.193	.193	0.0	41665	503	2.770	2.750	0.7
40059	501	4.640	4.440	4.5	41001	505	.217	.216	0.5	41665	504	2.860	2.850	0.4
40059	503	3.940	3.920	0.5	41421	501	.450	.440	2.3	41665	505	3.220	3.200	0.6
40059	504	4.070	4.060	0.2	41421	503	.510	.510	0.0	41667	501	76.100	72.800	4.5
40059	505	4.580	4.560	0.4	41421	504	.243	.244	-0.4	41667	503	64.600	64.200	0.6
40061	501	2.460	2.350	4.7	41421	505	.221	.221	0.0	41667	504	66.800	66.600	0.3
40061	503	2.090	2.080	0.5	41422	501	.242	.233	3.9	41667	505	75.100	74.700	0.5
40061	504	2.160	2.150	0.5	41422	503	.270	.270	0.0	41668	501	71.300	68.300	4.4
40061	505	2.430	2.420	0.4	41422	504	.130	.130	0.0	41668	503	60.600	60.200	0.7
40063	501	82.300	78.800	4.4	41422	505	.118	.118	0.0	41668	504	62.600	62.400	0.3
40063	503	69.900	69.500	0.6	41510	501	31.700	32.400	-2.2	41668	505	70.400	70.000	0.6
40063	504	72.300	72.100	0.3	41510	503	39.900	42.500	-6.1	41669	501	.500	.480	4.2
40063	505	81.300	80.800	0.6	41510	504	49.600	52.900	-6.2	41669	503	.420	.420	0.0
40064	501	24.200	23.200	4.3	41510	505	56.800	60.500	-6.1	41669	504	.440	.440	0.0
40064	503	20.600	20.400	1.0	41603	501	21.500	20.700	3.9	41669	505	.490	.490	0.0
40064	504	21.300	21.200	0.5	41603	503	23.900	24.000	-0.4	41670	501	.840	.800	5.0
40064	505	23.900	23.800	0.4	41603	504	11.500	11.500	0.0	41670	503	.710	.710	0.0
40075	501	62.300	61.000	2.1	41603	505	10.400	10.500	-1.0	41670	504	.740	.740	0.0
40075	503	31.900	32.400	-1.5	41604	501	11.800	11.300	4.4	41670	505	.830	.820	1.2
40075	504	39.100	39.900	-2.0	41604	503	13.200	13.200	0.0	41677	501	.260	.270	-3.7
40075	505	28.900	29.400	-1.7	41604	504	6.330	6.340	-0.2	41677	503	.280	.290	-3.4
40101	501	14.300	14.300	0.0	41604	505	5.740	5.740	0.0	41677	504	.194	.197	-1.5
40101	503	12.500	13.100	-4.6	41620	501	1.270	1.290	-1.6	41677	505	.300	.310	-3.2
40101	504	9.290	9.600	-3.2	41620	503	1.380	1.400	-1.4	41678	501	50.300	50.200	0.2
40101	505	15.400	16.000	-3.8	41620	504	.940	.950	-1.1	41678	503	39.400	41.000	-3.9
40102	501	12.600	12.600	0.0	41620	505	1.460	1.480	-1.4	41678	504	26.800	27.900	-3.9
40102	503	11.000	11.600	-5.2	41650	501	30.200	29.100	3.8	41678	505	32.400	33.600	-3.6
40102	504	8.200	8.480	-3.3	41650	503	33.700	33.800	-0.3	41680	501	15.700	15.100	4.0
40102	505	13.600	14.100	-3.5	41650	504	16.200	16.300	-0.6	41680	503	17.500	17.600	-0.6

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41680	504	8.430	8.450	-0.2	43422	503	86.700	88.300	-1.8	43822	501	3.830	3.890	-1.5
41680	505	7.650	7.660	-0.1	43422	504	106.000	109.000	-2.8	43822	503	4.160	4.240	-1.9
41696	501	.830	.840	-1.2	43422	505	78.700	80.100	-1.7	43822	504	2.840	2.890	-1.7
41696	503	.900	.920	-2.2	43470	501	4.810	4.890	-1.6	43822	505	4.400	4.480	-1.8
41696	504	.610	.620	-1.6	43470	503	5.230	5.330	-1.9	43840	501	.047	.048	-2.1
41696	505	.950	.970	-2.1	43470	504	3.560	3.630	-1.9	43840	503	.051	.052	-1.9
41697	501	.580	.580	0.0	43470	505	5.530	5.630	-1.8	43840	504	.035	.036	-2.8
41697	503	.630	.640	-1.6	43518	501	11.900	11.400	4.4	43840	505	.054	.055	-1.8
41697	504	.430	.430	0.0	43518	503	10.100	10.100	0.0	43860	501	3.010	3.060	-1.6
41697	505	.660	.670	-1.5	43518	504	10.500	10.500	0.0	43860	503	3.270	3.340	-2.1
41715	501	9.970	9.600	3.9	43518	505	11.800	11.700	0.9	43860	504	2.230	2.270	-1.8
41715	503	11.100	11.100	0.0	43550	501	115.000	113.000	1.8	43860	505	3.470	3.530	-1.7
41715	504	5.350	5.360	-0.2	43550	503	58.900	60.000	-1.8	43889	501	1.080	1.100	-1.8
41715	505	4.850	4.860	-0.2	43550	504	72.400	73.800	-1.9	43889	503	1.170	1.190	-1.7
41716	501	6.350	6.110	3.9	43550	505	53.500	54.500	-1.8	43889	504	.800	.810	-1.2
41716	503	7.080	7.090	-0.1	43551	501	63.900	62.600	2.1	43889	505	1.240	1.260	-1.6
41716	504	3.410	3.410	0.0	43551	503	32.700	33.300	-1.8	44009	501	5.180	5.180	0.0
41716	505	3.090	3.090	0.0	43551	504	40.200	41.000	-2.0	44009	503	5.030	5.210	-3.5
43151	501	31.000	30.300	2.3	43551	505	29.700	30.200	-1.7	44009	504	4.540	4.720	-3.8
43151	503	15.800	16.100	-1.9	43626	501	9.530	9.130	4.4	44009	505	3.740	3.880	-3.6
43151	504	19.500	19.800	-1.5	43626	503	8.100	8.050	0.6	44069	501	10.200	9.760	4.5
43151	505	14.400	14.600	-1.4	43626	504	8.380	8.350	0.4	44069	503	8.660	8.610	0.6
43152	501	15.100	15.000	0.7	43626	505	9.420	9.370	0.5	44069	504	8.960	8.930	0.3
43152	503	11.800	12.300	-4.1	43628	501	124.000	119.000	4.2	44069	505	10.100	10.000	1.0
43152	504	8.020	8.350	-4.0	43628	503	105.000	105.000	0.0	44070	501	3.020	2.890	4.5
43152	505	9.690	10.100	-4.1	43628	504	109.000	109.000	0.0	44070	503	2.560	2.550	0.4
43200	501	118.000	116.000	1.7	43628	505	122.000	122.000	0.0	44070	504	2.650	2.640	0.4
43200	503	60.300	61.400	-1.8	43629	501	105.000	101.000	4.0	44070	505	2.980	2.970	0.3
43200	504	74.000	75.500	-2.0	43629	503	89.200	88.700	0.6	44071	501	3.360	3.220	4.3
43200	505	54.700	55.700	-1.8	43629	504	92.300	92.000	0.3	44071	503	2.850	2.840	0.4
43421	501	32.300	31.600	2.2	43629	505	104.000	103.000	1.0	44071	504	2.950	2.940	0.3
43421	503	16.500	16.800	-1.8	43760	501	3.500	3.350	4.5	44071	505	3.320	3.300	0.6
43421	504	20.300	20.700	-1.9	43760	503	2.970	2.950	0.7	44072	501	2.320	2.220	4.5
43421	505	15.000	15.300	-2.0	43760	504	3.070	3.060	0.3	44072	503	1.970	1.960	0.5
43422	501	169.000	166.000	1.8	43760	505	3.450	3.440	0.3	44072	504	2.040	2.030	0.5

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44072	505	2.290	2.280	0.4	44111	504	3.000	3.130	-4.2	44429	503	.680	.710	-4.2
44100	501	7.030	7.040	-0.1	44111	505	4.030	4.180	-3.6	44429	504	.510	.520	-1.9
44100	503	9.340	9.000	3.8	44112	501	2.340	2.350	-0.4	44429	505	.840	.870	-3.4
44100	504	5.340	5.570	-4.1	44112	503	3.110	3.000	3.7	44430	501	.540	.540	0.0
44100	505	7.160	7.440	-3.8	44112	504	1.780	1.860	-4.3	44430	503	.470	.500	-6.0
44101	501	7.320	7.330	-0.1	44112	505	2.390	2.480	-3.6	44430	504	.350	.360	-2.8
44101	503	9.730	9.370	3.8	44276	501	158.000	155.000	1.9	44430	505	.590	.600	-1.7
44101	504	5.560	5.800	-4.1	44276	503	80.900	82.400	-1.8	44431	501	1.730	1.730	0.0
44101	505	7.450	7.750	-3.9	44276	504	99.400	101.000	-1.6	44431	503	1.510	1.580	-4.4
44102	501	5.710	5.720	-0.2	44276	505	73.500	74.800	-1.7	44431	504	1.120	1.160	-3.4
44102	503	7.590	7.310	3.8	44277	501	103.000	100.000	3.0	44431	505	1.870	1.930	-3.1
44102	504	4.340	4.530	-4.2	44277	503	52.500	53.400	-1.7	44432	501	.550	.550	0.0
44102	505	5.810	6.040	-3.8	44277	504	64.400	65.700	-2.0	44432	503	.480	.500	-4.0
44103	501	5.050	5.060	-0.2	44277	505	47.600	48.500	-1.9	44432	504	.360	.370	-2.7
44103	503	6.710	6.470	3.7	44280	501	.260	.270	-3.7	44432	505	.590	.610	-3.3
44103	504	3.840	4.000	-4.0	44280	503	.280	.290	-3.4	44433	501	17.400	17.500	-0.6
44103	505	5.140	5.350	-3.9	44280	504	.194	.197	-1.5	44433	503	15.300	16.000	-4.4
44104	501	2.120	2.130	-0.5	44280	505	.300	.310	-3.2	44433	504	11.400	11.700	-2.6
44104	503	2.820	2.720	3.7	44311	501	6.160	5.900	4.4	44433	505	18.900	19.500	-3.1
44104	504	1.610	1.680	-4.2	44311	503	5.230	5.200	0.6	44434	501	33.300	33.400	-0.3
44104	505	2.160	2.250	-4.0	44311	504	5.410	5.390	0.4	44434	503	29.200	30.600	-4.6
44108	501	2.490	2.490	0.0	44311	505	6.080	6.050	0.5	44434	504	21.700	22.400	-3.1
44108	503	3.310	3.190	3.8	44315	501	4.140	3.960	4.5	44434	505	36.100	37.300	-3.2
44108	504	1.890	1.970	-4.1	44315	503	3.520	3.490	0.9	44435	501	34.500	34.600	-0.3
44108	505	2.530	2.630	-3.8	44315	504	3.640	3.620	0.6	44435	503	30.300	31.700	-4.4
44109	501	6.300	6.300	0.0	44315	505	4.090	4.060	0.7	44435	504	22.500	23.200	-3.0
44109	503	8.360	8.060	3.7	44427	501	51.600	51.700	-0.2	44435	505	37.400	38.600	-3.1
44109	504	4.780	4.990	-4.2	44427	503	45.200	47.300	-4.4	44436	501	40.300	40.400	-0.2
44109	505	6.410	6.660	-3.8	44427	504	33.600	34.700	-3.2	44436	503	35.300	37.000	-4.6
44110	501	6.450	6.450	0.0	44427	505	55.800	57.700	-3.3	44436	504	26.300	27.100	-3.0
44110	503	8.560	8.250	3.8	44428	501	51.900	52.000	-0.2	44436	505	43.700	45.100	-3.1
44110	504	4.890	5.110	-4.3	44428	503	45.400	47.600	-4.6	44437	501	33.400	33.500	-0.3
44110	505	6.560	6.820	-3.8	44428	504	33.800	34.900	-3.2	44437	503	29.300	30.700	-4.6
44111	501	3.950	3.960	-0.3	44428	505	56.200	58.000	-3.1	44437	504	21.800	22.500	-3.1
44111	503	5.250	5.060	3.8	44429	501	.780	.780	0.0	44437	505	36.200	37.400	-3.2

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44438	501	26.400	26.500	-0.4	45334	505	31.500	32.100	-1.9	46004	504	15.400	15.400	0.0
44438	503	23.100	24.200	-4.5	45380	501	.260	.260	0.0	46004	505	14.000	14.000	0.0
44438	504	17.200	17.800	-3.4	45380	503	.310	.310	0.0	46005	501	23.000	22.100	4.1
44438	505	28.600	29.600	-3.4	45380	504	.280	.280	0.0	46005	503	25.600	25.700	-0.4
44439	501	51.400	51.500	-0.2	45380	505	.221	.220	0.5	46005	504	12.300	12.400	-0.8
44439	503	45.000	47.200	-4.7	45450	501	20.000	19.600	2.0	46005	505	11.200	11.200	0.0
44439	504	33.500	34.600	-3.2	45450	503	10.200	10.400	-1.9	46112	501	.056	.056	0.0
44439	505	55.700	57.500	-3.1	45450	504	12.600	12.800	-1.6	46112	503	.049	.051	-3.9
44440	501	42.500	42.600	-0.2	45450	505	9.280	9.450	-1.8	46112	504	.037	.038	-2.6
44440	503	37.300	39.000	-4.4	45678	501	.280	.290	-3.4	46112	505	.061	.063	-3.2
44440	504	27.700	28.600	-3.1	45678	503	.310	.310	0.0	46202	501	5.120	5.310	-3.6
44440	505	46.100	47.600	-3.2	45678	504	.209	.213	-1.9	46202	503	2.380	2.580	-7.8
45190	501	4.030	4.180	-3.6	45678	505	.320	.330	-3.0	46202	504	2.070	2.240	-7.6
45190	503	1.880	2.030	-7.4	45771	501	.390	.400	-2.5	46202	505	1.820	1.970	-7.6
45190	504	1.630	1.760	-7.4	45771	503	.470	.470	0.0	46362	501	176.000	175.000	0.6
45190	505	1.440	1.550	-7.1	45771	504	.420	.420	0.0	46362	503	138.000	143.000	-3.5
45191	501	2.860	2.970	-3.7	45771	505	.340	.330	3.0	46362	504	93.500	97.300	-3.9
45191	503	1.330	1.440	-7.6	45819	501	.128	.129	-0.8	46362	505	113.000	117.000	-3.4
45191	504	1.150	1.250	-8.0	45819	503	.152	.152	0.0	46426	501	25.700	25.600	0.4
45191	505	1.020	1.100	-7.3	45819	504	.137	.137	0.0	46426	503	20.100	20.900	-3.8
45192	501	3.340	3.470	-3.7	45819	505	.109	.109	0.0	46426	504	13.700	14.200	-3.5
45192	503	1.560	1.680	-7.1	45900	501	.073	.075	-2.7	46426	505	16.500	17.100	-3.5
45192	504	1.350	1.460	-7.5	45900	503	.093	.099	-6.1	46427	501	34.300	34.200	0.3
45192	505	1.190	1.290	-7.8	45900	504	.115	.123	-6.5	46427	503	26.900	27.900	-3.6
45193	501	1.970	2.050	-3.9	45900	505	.132	.140	-5.7	46427	504	18.200	19.000	-4.2
45193	503	.920	.990	-7.1	45901	501	.063	.064	-1.6	46427	505	22.000	22.900	-3.9
45193	504	.800	.860	-7.0	45901	503	.079	.084	-6.0	46603	501	2.150	2.150	0.0
45193	505	.700	.760	-7.9	45901	504	.099	.105	-5.7	46603	503	1.690	1.750	-3.4
45210	501	2.500	2.590	-3.5	45901	505	.113	.120	-5.8	46603	504	1.150	1.190	-3.4
45210	503	1.160	1.260	-7.9	45937	501	.270	.260	3.8	46603	505	1.390	1.440	-3.5
45210	504	1.010	1.090	-7.3	45937	503	.136	.139	-2.2	46604	501	2.480	2.480	0.0
45210	505	.890	.960	-7.3	45937	504	.167	.171	-2.3	46604	503	1.950	2.020	-3.5
45334	501	67.900	66.600	2.0	45937	505	.124	.126	-1.6	46604	504	1.320	1.380	-4.3
45334	503	34.800	35.400	-1.7	46004	501	28.700	27.600	4.0	46604	505	1.600	1.660	-3.6
45334	504	42.700	43.500	-1.8	46004	503	32.000	32.100	-0.3	46606	501	6.620	6.600	0.3

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46606	503	5.190	5.390	-3.7	47367	501	.260	.270	-3.7	47477	505	2.940	2.940	0.0
46606	504	3.520	3.670	-4.1	47367	503	.280	.290	-3.4	47478	501	6.350	6.110	3.9
46606	505	4.260	4.420	-3.6	47367	504	.194	.197	-1.5	47478	503	7.080	7.090	-0.1
46607	501	9.100	9.080	0.2	47367	505	.300	.310	-3.2	47478	504	3.410	3.410	0.0
46607	503	7.140	7.410	-3.6	47420	501	1.700	1.630	4.3	47478	505	3.090	3.090	0.0
46607	504	4.850	5.040	-3.8	47420	503	1.440	1.430	0.7	48039	501	83.600	81.900	2.1
46607	505	5.860	6.070	-3.5	47420	504	1.490	1.490	0.0	48039	503	42.800	43.500	-1.6
46622	501	11.200	11.400	-1.8	47420	505	1.680	1.670	0.6	48039	504	52.500	53.600	-2.1
46622	503	12.200	12.400	-1.6	47469	501	4.530	4.360	3.9	48039	505	38.800	39.500	-1.8
46622	504	8.280	8.440	-1.9	47469	503	5.060	5.060	0.0	48206	501	25.200	24.200	4.1
46622	505	12.900	13.100	-1.5	47469	504	2.430	2.440	-0.4	48206	503	21.400	21.300	0.5
46700	501	237.000	232.000	2.2	47469	505	2.210	2.210	0.0	48206	504	22.200	22.100	0.5
46700	503	121.000	124.000	-2.4	47471	501	3.930	3.780	4.0	48206	505	24.900	24.800	0.4
46700	504	149.000	152.000	-2.0	47471	503	4.380	4.390	-0.2	48441	501	.106	.101	5.0
46700	505	110.000	112.000	-1.8	47471	504	2.110	2.110	0.0	48441	503	.090	.089	1.1
46911	501	18.900	18.100	4.4	47471	505	1.910	1.910	0.0	48441	504	.093	.093	0.0
46911	503	16.000	15.900	0.6	47473	501	5.140	4.950	3.8	48441	505	.105	.104	1.0
46911	504	16.600	16.500	0.6	47473	503	5.730	5.740	-0.2	48557	501	10.600	10.100	5.0
46911	505	18.600	18.500	0.5	47473	504	2.760	2.760	0.0	48557	503	9.000	8.950	0.6
46912	501	34.600	33.100	4.5	47473	505	2.500	2.500	0.0	48557	504	9.310	9.280	0.3
46912	503	29.400	29.200	0.7	47474	501	5.740	5.530	3.8	48557	505	10.500	10.400	1.0
46912	504	30.400	30.300	0.3	47474	503	6.410	6.410	0.0	48558	501	9.210	8.820	4.4
46912	505	34.100	34.000	0.3	47474	504	3.080	3.090	-0.3	48558	503	7.830	7.780	0.6
47050	501	1.050	1.060	-0.9	47474	505	2.790	2.800	-0.4	48558	504	8.100	8.070	0.4
47050	503	1.140	1.160	-1.7	47475	501	4.530	4.360	3.9	48558	505	9.100	9.050	0.6
47050	504	.770	.790	-2.5	47475	503	5.060	5.060	0.0	48600	501	51.300	51.200	0.2
47050	505	1.200	1.220	-1.6	47475	504	2.430	2.440	-0.4	48600	503	40.200	41.800	-3.8
47221	501	260.000	255.000	2.0	47475	505	2.210	2.210	0.0	48600	504	27.300	28.400	-3.9
47221	503	133.000	135.000	-1.5	47476	501	4.530	4.360	3.9	48600	505	33.000	34.200	-3.5
47221	504	163.000	167.000	-2.4	47476	503	5.060	5.060	0.0	48636	501	.860	.890	-3.4
47221	505	121.000	123.000	-1.6	47476	504	2.430	2.440	-0.4	48636	503	.770	.800	-3.8
47318	501	7.760	7.430	4.4	47476	505	2.210	2.210	0.0	48636	504	1.160	1.200	-3.3
47318	503	6.590	6.550	0.6	47477	501	6.040	5.820	3.8	48636	505	.960	.990	-3.0
47318	504	6.810	6.790	0.3	47477	503	6.750	6.750	0.0	48637	501	8.100	7.750	4.5
47318	505	7.660	7.620	0.5	47477	504	3.240	3.250	-0.3	48637	503	6.880	6.840	0.6

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48637	504	7.110	7.090	0.3	49185	503	32.700	33.300	-1.8	49802	501	20.300	19.900	2.0
48637	505	8.000	7.950	0.6	49185	504	40.200	41.000	-2.0	49802	503	10.400	10.600	-1.9
48638	501	4.020	3.850	4.4	49185	505	29.700	30.200	-1.7	49802	504	12.800	13.000	-1.5
48638	503	3.410	3.390	0.6	49239	501	.194	.195	-0.5	49802	505	9.430	9.600	-1.8
48638	504	3.530	3.520	0.3	49239	503	.229	.229	0.0	49803	501	36.000	35.200	2.3
48638	505	3.970	3.950	0.5	49239	504	.207	.208	-0.5	49803	503	18.400	18.700	-1.6
48808	501	1.080	1.110	-2.7	49239	505	.165	.164	0.6	49803	504	22.600	23.000	-1.7
48808	503	1.370	1.450	-5.5	49292	501	2.000	1.960	2.0	49803	505	16.700	17.000	-1.8
48808	504	1.700	1.810	-6.1	49292	503	1.020	1.040	-1.9	49840	501	1.080	1.100	-1.8
48808	505	1.950	2.070	-5.8	49292	504	1.260	1.280	-1.6	49840	503	1.170	1.190	-1.7
48925	501	194.000	186.000	4.3	49292	505	.930	.940	-1.1	49840	504	.800	.810	-1.2
48925	503	165.000	164.000	0.6	49333	501	14.700	14.400	2.1	49840	505	1.240	1.260	-1.6
48925	504	170.000	170.000	0.0	49333	503	7.500	7.630	-1.7	49870	501	81.000	77.500	4.5
48925	505	191.000	190.000	0.5	49333	504	9.200	9.390	-2.0	49870	503	68.800	68.400	0.6
49005	501	.178	.181	-1.7	49333	505	6.800	6.930	-1.9	49870	504	71.100	70.900	0.3
49005	503	.193	.197	-2.0	49617	501	.350	.350	0.0	49870	505	80.000	79.500	0.6
49005	504	.132	.134	-1.5	49617	503	.340	.350	-2.9	50010	501	.077	.079	-2.5
49005	505	.205	.208	-1.4	49617	504	.310	.320	-3.1	50010	503	.141	.144	-2.1
49111	501	1.660	1.700	-2.4	49617	505	.250	.260	-3.8	50010	504	.136	.143	-4.9
49111	503	2.090	2.220	-5.9	49618	501	.290	.290	0.0	50010	505	.121	.124	-2.4
49111	504	2.600	2.770	-6.1	49618	503	.290	.300	-3.3	50011	501	.048	.050	-4.0
49111	505	2.980	3.170	-6.0	49618	504	.260	.270	-3.7	50011	503	.043	.044	-2.3
49181	501	27.300	26.800	1.9	49618	505	.212	.220	-3.6	50011	504	.064	.067	-4.5
49181	503	14.000	14.200	-1.4	49619	501	.550	.550	0.0	50011	505	.053	.055	-3.6
49181	504	17.200	17.500	-1.7	49619	503	.540	.560	-3.6	50012	501	.029	.029	0.0
49181	505	12.700	12.900	-1.6	49619	504	.480	.500	-4.0	50012	503	.052	.053	-1.9
49183	501	33.300	32.600	2.1	49619	505	.400	.410	-2.4	50012	504	.050	.053	-5.7
49183	503	17.000	17.300	-1.7	49763	501	3.590	3.590	0.0	50012	505	.045	.046	-2.2
49183	504	20.900	21.300	-1.9	49763	503	3.480	3.610	-3.6	50015	501	.050	.051	-2.0
49183	505	15.500	15.700	-1.3	49763	504	3.150	3.270	-3.7	50015	503	.091	.093	-2.2
49184	501	70.300	68.800	2.2	49763	505	2.590	2.690	-3.7	50015	504	.088	.093	-5.4
49184	503	35.900	36.600	-1.9	49801	501	229.000	224.000	2.2	50015	505	.079	.080	-1.3
49184	504	44.100	45.000	-2.0	49801	503	117.000	119.000	-1.7	50017	501	.038	.039	-2.6
49184	505	32.600	33.200	-1.8	49801	504	144.000	147.000	-2.0	50017	503	.070	.071	-1.4
49185	501	63.900	62.600	2.1	49801	505	106.000	108.000	-1.9	50017	504	.067	.071	-5.6

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50017	505	.060	.061	-1.6	51205	504	.071	.074	-4.1	51241	503	.860	.880	-2.3
50018	501	.044	.045	-2.2	51205	505	.063	.064	-1.6	51241	504	.830	.870	-4.6
50018	503	.039	.040	-2.5	51206	501	.006	.006	0.0	51241	505	.740	.760	-2.6
50018	504	.058	.061	-4.9	51206	503	.011	.012	-8.3	51250	501	.136	.141	-3.5
50018	505	.048	.050	-4.0	51206	504	.011	.012	-8.3	51250	503	.122	.127	-3.9
50019	501	.020	.021	-4.8	51206	505	.010	.010	0.0	51250	504	.183	.190	-3.7
50019	503	.037	.038	-2.6	51210	501	.052	.053	-1.9	51250	505	.151	.157	-3.8
50019	504	.036	.038	-5.3	51210	503	.046	.048	-4.2	51251	501	.014	.014	0.0
50019	505	.032	.033	-3.0	51210	504	.070	.072	-2.8	51251	503	.025	.025	0.0
50045	501	.088	.089	-1.1	51210	505	.057	.059	-3.4	51251	504	.024	.025	-4.0
50045	503	.159	.162	-1.9	51220	501	.177	.183	-3.3	51251	505	.021	.022	-4.5
50045	504	.154	.161	-4.3	51220	503	.159	.165	-3.6	51252	501	.048	.049	-2.0
50045	505	.137	.140	-2.1	51220	504	.238	.248	-4.0	51252	503	.087	.089	-2.2
50047	501	.010	.010	0.0	51220	505	.197	.204	-3.4	51252	504	.084	.088	-4.5
50047	503	.018	.018	0.0	51221	501	.099	.102	-2.9	51252	505	.075	.077	-2.6
50047	504	.017	.018	-5.6	51221	503	.088	.092	-4.3	51253	501	.041	.042	-2.4
50047	505	.015	.016	-6.3	51221	504	.132	.138	-4.3	51253	503	.074	.076	-2.6
51001	501	.030	.030	0.0	51221	505	.109	.113	-3.5	51253	504	.072	.075	-4.0
51001	503	.026	.027	-3.7	51222	501	.120	.124	-3.2	51253	505	.064	.065	-1.5
51001	504	.040	.041	-2.4	51222	503	.107	.111	-3.6	51254	501	.013	.013	0.0
51001	505	.033	.034	-2.9	51222	504	.161	.167	-3.6	51254	503	.023	.024	-4.2
51005	501	.006	.006	0.0	51222	505	.133	.138	-3.6	51254	504	.022	.024	-8.3
51005	503	.005	.006	-16.7	51224	501	.126	.130	-3.1	51254	505	.020	.020	0.0
51005	504	.008	.008	0.0	51224	503	.112	.117	-4.3	51255	501	.350	.360	-2.8
51005	505	.007	.007	0.0	51224	504	.169	.175	-3.4	51255	503	.310	.320	-3.1
51116	501	.075	.077	-2.6	51224	505	.139	.144	-3.5	51255	504	.460	.480	-4.2
51116	503	.067	.069	-2.9	51230	501	.021	.022	-4.5	51255	505	.380	.400	-5.0
51116	504	.100	.104	-3.8	51230	503	.019	.020	-5.0	51300	501	.103	.107	-3.7
51116	505	.083	.086	-3.5	51230	504	.029	.030	-3.3	51300	503	.101	.105	-3.8
51201	501	.013	.013	0.0	51230	505	.024	.025	-4.0	51300	504	.116	.121	-4.1
51201	503	.024	.025	-4.0	51240	501	.159	.162	-1.9	51300	505	.083	.087	-4.6
51201	504	.023	.024	-4.2	51240	503	.290	.300	-3.3	51305	501	.103	.107	-3.7
51201	505	.021	.021	0.0	51240	504	.280	.290	-3.4	51305	503	.101	.105	-3.8
51205	501	.040	.041	-2.4	51240	505	.250	.250	0.0	51305	504	.116	.121	-4.1
51205	503	.073	.075	-2.7	51241	501	.470	.480	-2.1	51305	505	.083	.087	-4.6

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STATE: 41 - TENNESSEE
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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
51315	501	.126	.127	-0.8	51356	505	.126	.131	-3.8	51516	504	.058	.059	-1.7
51315	503	.149	.149	0.0	51357	501	.179	.180	-0.6	51516	505	.090	.092	-2.2
51315	504	.135	.135	0.0	51357	503	.211	.211	0.0	51517	501	.089	.090	-1.1
51315	505	.107	.107	0.0	51357	504	.191	.191	0.0	51517	503	.097	.099	-2.0
51330	501	.053	.054	-1.9	51357	505	.152	.151	0.7	51517	504	.066	.067	-1.5
51330	503	.047	.049	-4.1	51358	501	.430	.430	0.0	51517	505	.102	.104	-1.9
51330	504	.071	.073	-2.7	51358	503	.510	.510	0.0	51550	501	.036	.037	-2.7
51330	505	.058	.060	-3.3	51358	504	.460	.460	0.0	51550	503	.066	.067	-1.5
51333	501	.017	.018	-5.6	51358	505	.370	.360	2.8	51550	504	.064	.067	-4.5
51333	503	.015	.016	-6.3	51359	501	.380	.380	0.0	51550	505	.057	.058	-1.7
51333	504	.023	.024	-4.2	51359	503	.450	.450	0.0	51551	501	.013	.013	0.0
51333	505	.019	.020	-5.0	51359	504	.400	.400	0.0	51551	503	.023	.023	0.0
51340	501	.013	.013	0.0	51359	505	.320	.320	0.0	51551	504	.022	.023	-4.3
51340	503	.024	.024	0.0	51370	501	.156	.158	-1.3	51551	505	.020	.020	0.0
51340	504	.023	.024	-4.2	51370	503	.280	.290	-3.4	51552	501	.022	.022	0.0
51340	505	.021	.021	0.0	51370	504	.270	.290	-6.9	51552	503	.040	.041	-2.4
51350	501	.173	.180	-3.9	51370	505	.244	.248	-1.6	51552	504	.038	.040	-5.0
51350	503	.170	.177	-4.0	51380	501	.016	.016	0.0	51552	505	.034	.035	-2.9
51350	504	.196	.203	-3.4	51380	503	.028	.029	-3.4	51553	501	.039	.040	-2.5
51350	505	.140	.145	-3.4	51380	504	.027	.029	-6.9	51553	503	.071	.072	-1.4
51351	501	.155	.161	-3.7	51380	505	.024	.025	-4.0	51553	504	.068	.072	-5.6
51351	503	.153	.158	-3.2	51400	501	.123	.127	-3.1	51553	505	.061	.062	-1.6
51351	504	.175	.182	-3.8	51400	503	.110	.114	-3.5	51554	501	.004	.004	0.0
51351	505	.125	.130	-3.8	51400	504	.166	.172	-3.5	51554	503	.007	.007	0.0
51352	501	.213	.221	-3.6	51400	505	.137	.142	-3.5	51554	504	.006	.007	-14.3
51352	503	.209	.217	-3.7	51401	501	.181	.187	-3.2	51554	505	.006	.006	0.0
51352	504	.240	.250	-4.0	51401	503	.162	.169	-4.1	51575	501	.046	.048	-4.2
51352	505	.172	.179	-3.9	51401	504	.244	.250	-2.4	51575	503	.046	.047	-2.1
51355	501	.145	.151	-4.0	51401	505	.201	.209	-3.8	51575	504	.052	.055	-5.5
51355	503	.143	.148	-3.4	51500	501	.029	.030	-3.3	51575	505	.037	.039	-5.1
51355	504	.164	.170	-3.5	51500	503	.053	.055	-3.6	51576	501	.070	.071	-1.4
51355	505	.117	.122	-4.1	51500	504	.052	.054	-3.7	51576	503	.127	.130	-2.3
51356	501	.156	.163	-4.3	51500	505	.046	.047	-2.1	51576	504	.123	.129	-4.7
51356	503	.154	.159	-3.1	51516	501	.078	.080	-2.5	51576	505	.110	.112	-1.8
51356	504	.176	.184	-4.3	51516	503	.085	.087	-2.3	51600	501	.048	.048	0.0

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
51600	503	.086	.088	-2.3	51767	501	.021	.022	-4.5	51851	505	.096	.099	-3.0
51600	504	.083	.088	-5.7	51767	503	.021	.022	-4.5	51852	501	.202	.208	-2.9
51600	505	.075	.076	-1.3	51767	504	.024	.025	-4.0	51852	503	.181	.188	-3.7
51613	501	.031	.032	-3.1	51767	505	.017	.018	-5.6	51852	504	.270	.280	-3.6
51613	503	.057	.058	-1.7	51777	501	.075	.078	-3.8	51852	505	.224	.232	-3.4
51613	504	.055	.058	-5.2	51777	503	.073	.076	-3.9	51853	501	.081	.084	-3.6
51613	505	.049	.050	-2.0	51777	504	.084	.088	-4.5	51853	503	.073	.076	-3.9
51625	501	.027	.028	-3.6	51777	505	.060	.063	-4.8	51853	504	.109	.113	-3.5
51625	503	.024	.025	-4.0	51790	501	.124	.130	-4.6	51853	505	.090	.093	-3.2
51625	504	.036	.038	-5.3	51790	503	.122	.127	-3.9	51854	501	.182	.188	-3.2
51625	505	.030	.031	-3.2	51790	504	.141	.146	-3.4	51854	503	.163	.169	-3.6
51666	501	.074	.077	-3.9	51790	505	.101	.105	-3.8	51854	504	.245	.250	-2.0
51666	503	.072	.075	-4.0	51796	501	.030	.031	-3.2	51854	505	.202	.209	-3.3
51666	504	.083	.086	-3.5	51796	503	.055	.056	-1.8	51855	501	.191	.197	-3.0
51666	505	.059	.062	-4.8	51796	504	.053	.056	-5.4	51855	503	.171	.178	-3.9
51702	501	.081	.084	-3.6	51796	505	.047	.048	-2.1	51855	504	.260	.270	-3.7
51702	503	.073	.076	-3.9	51808	501	.107	.109	-1.8	51855	505	.212	.220	-3.6
51702	504	.109	.113	-3.5	51808	503	.195	.199	-2.0	51856	501	.105	.108	-2.8
51702	505	.090	.093	-3.2	51808	504	.188	.197	-4.6	51856	503	.094	.098	-4.1
51703	501	.034	.035	-2.9	51808	505	.168	.171	-1.8	51856	504	.141	.147	-4.1
51703	503	.030	.031	-3.2	51809	501	.133	.135	-1.5	51856	505	.117	.121	-3.3
51703	504	.045	.047	-4.3	51809	503	.242	.247	-2.0	51857	501	.180	.186	-3.2
51703	505	.037	.039	-5.1	51809	504	.234	.245	-4.5	51857	503	.161	.167	-3.6
51734	501	.063	.065	-3.1	51809	505	.209	.213	-1.9	51857	504	.242	.250	-3.2
51734	503	.057	.059	-3.4	51833	501	.112	.117	-4.3	51857	505	.199	.207	-3.9
51734	504	.085	.088	-3.4	51833	503	.110	.114	-3.5	51869	501	.036	.036	0.0
51734	505	.070	.073	-4.1	51833	504	.127	.132	-3.8	51869	503	.065	.066	-1.5
51741	501	.083	.084	-1.2	51833	505	.090	.094	-4.3	51869	504	.062	.065	-4.6
51741	503	.150	.154	-2.6	51850	501	.127	.131	-3.1	51869	505	.056	.057	-1.8
51741	504	.145	.152	-4.6	51850	503	.114	.118	-3.4	51877	501	.200	.203	-1.5
51741	505	.130	.132	-1.5	51850	504	.171	.178	-3.9	51877	503	.360	.370	-2.7
51752	501	.070	.071	-1.4	51850	505	.141	.146	-3.4	51877	504	.350	.370	-5.4
51752	503	.127	.130	-2.3	51851	501	.086	.089	-3.4	51877	505	.310	.320	-3.1
51752	504	.123	.129	-4.7	51851	503	.077	.080	-3.7	51889	501	.033	.033	0.0
51752	505	.110	.112	-1.8	51851	504	.116	.120	-3.3	51889	503	.060	.061	-1.6

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51889	504	.058	.061	-4.9	51942	503	.098	.100	-2.0	51986	501	.077	.079	-2.5
51889	505	.052	.053	-1.9	51942	504	.095	.099	-4.0	51986	503	.141	.144	-2.1
51896	501	.015	.016	-6.3	51942	505	.085	.086	-1.2	51986	504	.136	.143	-4.9
51896	503	.028	.029	-3.4	51956	501	.146	.148	-1.4	51986	505	.121	.124	-2.4
51896	504	.027	.028	-3.6	51956	503	.260	.270	-3.7	51999	501	.033	.033	0.0
51896	505	.024	.025	-4.0	51956	504	.260	.270	-3.7	51999	503	.059	.060	-1.7
51900	501	.084	.087	-3.4	51956	505	.228	.232	-1.7	51999	504	.057	.060	-5.0
51900	503	.082	.085	-3.5	51957	501	.128	.130	-1.5	51999	505	.051	.052	-1.9
51900	504	.095	.098	-3.1	51957	503	.233	.238	-2.1	52002	501	.029	.029	0.0
51900	505	.068	.070	-2.9	51957	504	.225	.236	-4.7	52002	503	.052	.053	-1.9
51909	501	.115	.119	-3.4	51957	505	.201	.205	-2.0	52002	504	.050	.053	-5.7
51909	503	.103	.107	-3.7	51958	501	.114	.116	-1.7	52002	505	.045	.046	-2.2
51909	504	.154	.160	-3.7	51958	503	.207	.211	-1.9	52075	501	.100	.103	-2.9
51909	505	.128	.132	-3.0	51958	504	.200	.210	-4.8	52075	503	.090	.093	-3.2
51919	501	.033	.034	-2.9	51958	505	.179	.182	-1.6	52075	504	.135	.140	-3.6
51919	503	.060	.062	-3.2	51959	501	.117	.118	-0.8	52075	505	.111	.115	-3.5
51919	504	.058	.061	-4.9	51959	503	.212	.216	-1.9	52076	501	.121	.125	-3.2
51919	505	.052	.053	-1.9	51959	504	.205	.215	-4.7	52076	503	.108	.112	-3.6
51926	501	.034	.034	0.0	51959	505	.183	.186	-1.6	52076	504	.162	.168	-3.6
51926	503	.061	.063	-3.2	51960	501	.015	.016	-6.3	52076	505	.134	.139	-3.6
51926	504	.059	.062	-4.8	51960	503	.028	.029	-3.4	52109	501	.007	.007	0.0
51926	505	.053	.054	-1.9	51960	504	.027	.028	-3.6	52109	503	.013	.013	0.0
51927	501	.018	.019	-5.3	51960	505	.024	.025	-4.0	52109	504	.013	.013	0.0
51927	503	.033	.034	-2.9	51970	501	.067	.068	-1.5	52109	505	.011	.012	-8.3
51927	504	.032	.034	-5.9	51970	503	.122	.124	-1.6	52134	501	.096	.097	-1.0
51927	505	.029	.029	0.0	51970	504	.118	.123	-4.1	52134	503	.174	.178	-2.2
51934	501	.037	.038	-2.6	51970	505	.105	.107	-1.9	52134	504	.168	.177	-5.1
51934	503	.067	.069	-2.9	51982	501	.020	.020	0.0	52134	505	.150	.153	-2.0
51934	504	.065	.068	-4.4	51982	503	.036	.037	-2.7	52137	501	.039	.041	-4.9
51934	505	.058	.059	-1.7	51982	504	.035	.036	-2.8	52137	503	.035	.037	-5.4
51941	501	.034	.034	0.0	51982	505	.031	.031	0.0	52137	504	.053	.055	-3.6
51941	503	.061	.062	-1.6	51985	501	.073	.074	-1.4	52137	505	.044	.045	-2.2
51941	504	.059	.062	-4.8	51985	503	.080	.081	-1.2	52150	501	.177	.179	-1.1
51941	505	.053	.054	-1.9	51985	504	.054	.055	-1.8	52150	503	.320	.330	-3.0
51942	501	.054	.055	-1.8	51985	505	.084	.086	-2.3	52150	504	.310	.320	-3.1

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52150	505	.280	.280	0.0	52435	504	.072	.076	-5.3	52660	503	.101	.103	-1.9
52315	501	.097	.101	-4.0	52435	505	.064	.066	-3.0	52660	504	.069	.070	-1.4
52315	503	.096	.099	-3.0	52438	501	.030	.030	0.0	52660	505	.107	.109	-1.8
52315	504	.110	.114	-3.5	52438	503	.054	.055	-1.8	52744	501	.430	.450	-4.4
52315	505	.079	.082	-3.7	52438	504	.052	.055	-5.5	52744	503	.420	.440	-4.5
52341	501	.025	.025	0.0	52438	505	.047	.047	0.0	52744	504	.480	.500	-4.0
52341	503	.022	.023	-4.3	52440	501	.047	.047	0.0	52744	505	.350	.360	-2.8
52341	504	.033	.034	-2.9	52440	503	.085	.086	-1.2	52767	501	.107	.110	-2.7
52341	505	.027	.028	-3.6	52440	504	.082	.086	-4.7	52767	503	.096	.099	-3.0
52342	501	.071	.074	-4.1	52440	505	.073	.075	-2.7	52767	504	.143	.149	-4.0
52342	503	.064	.066	-3.0	52467	501	.043	.044	-2.3	52767	505	.118	.123	-4.1
52342	504	.096	.100	-4.0	52467	503	.078	.080	-2.5	52911	501	.020	.021	-4.8
52342	505	.079	.082	-3.7	52467	504	.076	.079	-3.8	52911	503	.037	.038	-2.6
52343	501	.044	.045	-2.2	52467	505	.068	.069	-1.4	52911	504	.036	.038	-5.3
52343	503	.039	.040	-2.5	52469	501	.015	.015	0.0	52911	505	.032	.033	-3.0
52343	504	.058	.061	-4.9	52469	503	.027	.028	-3.6	52967	501	.008	.008	0.0
52343	505	.048	.050	-4.0	52469	504	.026	.028	-7.1	52967	503	.014	.014	0.0
52401	501	.135	.139	-2.9	52469	505	.024	.024	0.0	52967	504	.014	.014	0.0
52401	503	.121	.125	-3.2	52505	501	.075	.076	-1.3	52967	505	.012	.012	0.0
52401	504	.181	.188	-3.7	52505	503	.136	.139	-2.2	53001	501	.075	.076	-1.3
52401	505	.149	.155	-3.9	52505	504	.132	.138	-4.3	53001	503	.137	.140	-2.1
52402	501	.007	.007	0.0	52505	505	.118	.120	-1.7	53001	504	.132	.139	-5.0
52402	503	.013	.013	0.0	52547	501	.117	.120	-2.5	53001	505	.118	.120	-1.7
52402	504	.013	.013	0.0	52547	503	.104	.108	-3.7	53077	501	.036	.037	-2.7
52402	505	.011	.012	-8.3	52547	504	.157	.163	-3.7	53077	503	.066	.067	-1.5
52432	501	.036	.036	0.0	52547	505	.129	.134	-3.7	53077	504	.063	.067	-6.0
52432	503	.065	.066	-1.5	52581	501	.370	.370	0.0	53077	505	.057	.058	-1.7
52432	504	.063	.066	-4.5	52581	503	.660	.680	-2.9	53095	501	.025	.025	0.0
52432	505	.056	.057	-1.8	52581	504	.640	.670	-4.5	53095	503	.045	.046	-2.2
52433	501	.033	.033	0.0	52581	505	.570	.590	-3.4	53095	504	.043	.046	-6.5
52433	503	.060	.061	-1.6	52619	501	.026	.026	0.0	53095	505	.039	.040	-2.5
52433	504	.058	.060	-3.3	52619	503	.047	.048	-2.1	53096	501	.035	.035	0.0
52433	505	.051	.052	-1.9	52619	504	.045	.047	-4.3	53096	503	.063	.064	-1.6
52435	501	.041	.042	-2.4	52619	505	.040	.041	-2.4	53096	504	.061	.063	-3.2
52435	503	.075	.076	-1.3	52660	501	.093	.095	-2.1	53096	505	.054	.055	-1.8

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STATE: 41 - TENNESSEE
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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
53121	501	.098	.100	-2.0	53377	505	.079	.083	-4.8	53734	504	.350	.360	-2.8
53121	503	.178	.182	-2.2	53403	501	.062	.065	-4.6	53734	505	.540	.550	-1.8
53121	504	.172	.180	-4.4	53403	503	.061	.064	-4.7	53803	501	.223	.230	-3.0
53121	505	.154	.157	-1.9	53403	504	.070	.073	-4.1	53803	503	.200	.207	-3.4
53147	501	.018	.019	-5.3	53403	505	.050	.052	-3.8	53803	504	.300	.310	-3.2
53147	503	.016	.017	-5.9	53425	501	.094	.097	-3.1	53803	505	.248	.260	-4.6
53147	504	.024	.025	-4.0	53425	503	.084	.087	-3.4	53907	501	.036	.037	-2.7
53147	505	.020	.021	-4.8	53425	504	.126	.131	-3.8	53907	503	.065	.067	-3.0
53229	501	.101	.104	-2.9	53425	505	.104	.108	-3.7	53907	504	.063	.066	-4.5
53229	503	.090	.094	-4.3	53565	501	.072	.075	-4.0	53907	505	.057	.058	-1.7
53229	504	.136	.141	-3.5	53565	503	.071	.074	-4.1	54012	501	.047	.048	-2.1
53229	505	.112	.116	-3.4	53565	504	.082	.085	-3.5	54012	503	.051	.052	-1.9
53271	501	.018	.019	-5.3	53565	505	.058	.061	-4.9	54012	504	.035	.036	-2.8
53271	503	.034	.034	0.0	53631	501	.011	.012	-8.3	54012	505	.054	.055	-1.8
53271	504	.032	.034	-5.9	53631	503	.021	.021	0.0	54077	501	.049	.050	-2.0
53271	505	.029	.030	-3.3	53631	504	.020	.021	-4.8	54077	503	.089	.091	-2.2
53333	501	.099	.102	-2.9	53631	505	.018	.018	0.0	54077	504	.086	.091	-5.5
53333	503	.089	.092	-3.3	53632	501	.013	.013	0.0	54077	505	.077	.079	-2.5
53333	504	.134	.139	-3.6	53632	503	.024	.024	0.0	55010	501	.149	.151	-1.3
53333	505	.110	.114	-3.5	53632	504	.023	.024	-4.2	55010	503	.270	.280	-3.6
53374	501	.113	.118	-4.2	53632	505	.021	.021	0.0	55010	504	.260	.270	-3.7
53374	503	.111	.116	-4.3	53731	501	.012	.012	0.0	55010	505	.233	.238	-2.1
53374	504	.128	.133	-3.8	53731	503	.022	.022	0.0	55011	501	.040	.041	-2.4
53374	505	.091	.095	-4.2	53731	504	.021	.022	-4.5	55011	503	.073	.074	-1.4
53375	501	.060	.062	-3.2	53731	505	.019	.019	0.0	55011	504	.071	.074	-4.1
53375	503	.059	.061	-3.3	53732	501	.082	.083	-1.2	55011	505	.063	.064	-1.6
53375	504	.068	.070	-2.9	53732	503	.149	.152	-2.0	55012	501	.048	.049	-2.0
53375	505	.048	.050	-4.0	53732	504	.144	.151	-4.6	55012	503	.087	.089	-2.2
53376	501	.096	.100	-4.0	53732	505	.128	.131	-2.3	55012	504	.084	.088	-4.5
53376	503	.095	.098	-3.1	53733	501	.053	.054	-1.9	55012	505	.075	.077	-2.6
53376	504	.109	.113	-3.5	53733	503	.097	.099	-2.0	55013	501	.085	.087	-2.3
53376	505	.078	.081	-3.7	53733	504	.093	.098	-5.1	55013	503	.076	.079	-3.8
53377	501	.098	.102	-3.9	53733	505	.084	.085	-1.2	55013	504	.114	.118	-3.4
53377	503	.097	.101	-4.0	53734	501	.470	.480	-2.1	55013	505	.094	.097	-3.1
53377	504	.111	.116	-4.3	53734	503	.510	.520	-1.9	55214	501	.039	.039	0.0

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55214	503	.070	.072	-2.8	55717	501	.135	.140	-3.6	56170	505	.102	.106	-3.8
55214	504	.068	.071	-4.2	55717	503	.121	.126	-4.0	56171	501	.045	.047	-4.3
55214	505	.061	.062	-1.6	55717	504	.182	.189	-3.7	56171	503	.040	.042	-4.8
55371	501	.290	.300	-3.3	55717	505	.150	.156	-3.8	56171	504	.061	.063	-3.2
55371	503	.280	.290	-3.4	55718	501	.131	.136	-3.7	56171	505	.050	.052	-3.8
55371	504	.330	.340	-2.9	55718	503	.118	.122	-3.3	56202	501	.027	.028	-3.6
55371	505	.233	.242	-3.7	55718	504	.177	.183	-3.3	56202	503	.050	.051	-2.0
55426	501	.103	.106	-2.8	55718	505	.146	.151	-3.3	56202	504	.048	.050	-4.0
55426	503	.092	.095	-3.2	55802	501	.075	.078	-3.8	56202	505	.043	.044	-2.3
55426	504	.138	.143	-3.5	55802	503	.073	.076	-3.9	56390	501	.048	.049	-2.0
55426	505	.114	.118	-3.4	55802	504	.084	.088	-4.5	56390	503	.087	.089	-2.2
55597	501	.010	.010	0.0	55802	505	.060	.063	-4.8	56390	504	.084	.088	-4.5
55597	503	.018	.018	0.0	55918	501	.044	.045	-2.2	56390	505	.075	.077	-2.6
55597	504	.017	.018	-5.6	55918	503	.080	.082	-2.4	56391	501	.041	.042	-2.4
55597	505	.015	.015	0.0	55918	504	.077	.081	-4.9	56391	503	.075	.076	-1.3
55647	501	.019	.020	-5.0	55918	505	.069	.070	-1.4	56391	504	.072	.076	-5.3
55647	503	.035	.036	-2.8	55919	501	.006	.006	0.0	56391	505	.064	.066	-3.0
55647	504	.034	.036	-5.6	55919	503	.011	.011	0.0	56427	501	.066	.067	-1.5
55647	505	.030	.031	-3.2	55919	504	.011	.011	0.0	56427	503	.120	.123	-2.4
55648	501	.009	.009	0.0	55919	505	.009	.010	-10.0	56427	504	.116	.122	-4.9
55648	503	.016	.016	0.0	56040	501	.004	.004	0.0	56427	505	.104	.106	-1.9
55648	504	.015	.016	-6.3	56040	503	.008	.008	0.0	56488	501	.124	.130	-4.6
55648	505	.014	.014	0.0	56040	504	.007	.008	-12.5	56488	503	.122	.127	-3.9
55649	501	.010	.011	-9.1	56040	505	.007	.007	0.0	56488	504	.141	.146	-3.4
55649	503	.019	.019	0.0	56041	501	.027	.028	-3.6	56488	505	.101	.105	-3.8
55649	504	.018	.019	-5.3	56041	503	.050	.051	-2.0	56567	501	.095	.098	-3.1
55649	505	.016	.017	-5.9	56041	504	.048	.050	-4.0	56567	503	.085	.088	-3.4
55715	501	.077	.078	-1.3	56041	505	.043	.044	-2.3	56567	504	.128	.133	-3.8
55715	503	.140	.143	-2.1	56042	501	.035	.035	0.0	56567	505	.106	.109	-2.8
55715	504	.135	.142	-4.9	56042	503	.063	.064	-1.6	56650	501	.290	.300	-3.3
55715	505	.121	.123	-1.6	56042	504	.061	.063	-3.2	56650	503	.260	.270	-3.7
55716	501	.111	.113	-1.8	56042	505	.054	.055	-1.8	56650	504	.390	.410	-4.9
55716	503	.202	.206	-1.9	56170	501	.092	.095	-3.2	56650	505	.320	.330	-3.0
55716	504	.195	.205	-4.9	56170	503	.082	.085	-3.5	56651	501	.158	.163	-3.1
55716	505	.175	.178	-1.7	56170	504	.124	.128	-3.1	56651	503	.142	.147	-3.4

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56651	504	.213	.221	-3.6	56805	503	.091	.093	-2.2	56915	501	.320	.330	-3.0
56651	505	.176	.182	-3.3	56805	504	.088	.092	-4.3	56915	503	.290	.300	-3.3
56652	501	.113	.117	-3.4	56805	505	.078	.080	-2.5	56915	504	.430	.450	-4.4
56652	503	.101	.105	-3.8	56806	501	.035	.036	-2.8	56915	505	.360	.370	-2.7
56652	504	.152	.158	-3.8	56806	503	.064	.066	-3.0	56916	501	.290	.300	-3.3
56652	505	.126	.130	-3.1	56806	504	.062	.065	-4.6	56916	503	.260	.270	-3.7
56653	501	.109	.113	-3.5	56806	505	.056	.057	-1.8	56916	504	.390	.400	-2.5
56653	503	.098	.101	-3.0	56807	501	.035	.036	-2.8	56916	505	.320	.330	-3.0
56653	504	.147	.152	-3.3	56807	503	.064	.065	-1.5	56917	501	.084	.086	-2.3
56653	505	.121	.125	-3.2	56807	504	.062	.065	-4.6	56917	503	.075	.078	-3.8
56654	501	.056	.058	-3.4	56807	505	.055	.056	-1.8	56917	504	.113	.117	-3.4
56654	503	.050	.052	-3.8	56808	501	.046	.047	-2.1	56917	505	.093	.096	-3.1
56654	504	.075	.078	-3.8	56808	503	.083	.085	-2.4	56918	501	.040	.042	-4.8
56654	505	.062	.064	-3.1	56808	504	.081	.084	-3.6	56918	503	.036	.037	-2.7
56690	501	.064	.067	-4.5	56808	505	.072	.073	-1.4	56918	504	.054	.056	-3.6
56690	503	.063	.066	-4.5	56900	501	.044	.045	-2.2	56918	505	.045	.046	-2.2
56690	504	.073	.076	-3.9	56900	503	.080	.082	-2.4	56919	501	.103	.106	-2.8
56690	505	.052	.054	-3.7	56900	504	.077	.081	-4.9	56919	503	.092	.095	-3.2
56699	501	.031	.031	0.0	56900	505	.069	.070	-1.4	56919	504	.138	.143	-3.5
56699	503	.055	.057	-3.5	56910	501	.022	.022	0.0	56919	505	.114	.118	-3.4
56699	504	.053	.056	-5.4	56910	503	.040	.041	-2.4	56920	501	.094	.097	-3.1
56699	505	.048	.049	-2.0	56910	504	.039	.041	-4.9	56920	503	.084	.087	-3.4
56758	501	.026	.026	0.0	56910	505	.035	.035	0.0	56920	504	.126	.131	-3.8
56758	503	.047	.048	-2.1	56911	501	.082	.085	-3.5	56920	505	.104	.108	-3.7
56758	504	.045	.048	-6.3	56911	503	.073	.076	-3.9	56980	501	.038	.039	-2.6
56758	505	.041	.041	0.0	56911	504	.110	.115	-4.3	56980	503	.069	.071	-2.8
56759	501	.026	.027	-3.7	56911	505	.091	.094	-3.2	56980	504	.067	.070	-4.3
56759	503	.048	.049	-2.0	56912	501	.067	.069	-2.9	56980	505	.060	.061	-1.6
56759	504	.046	.049	-6.1	56912	503	.060	.062	-3.2	57001	501	.013	.013	0.0
56759	505	.042	.042	0.0	56912	504	.089	.093	-4.3	57001	503	.024	.024	0.0
56760	501	.038	.039	-2.6	56912	505	.074	.076	-2.6	57001	504	.023	.024	-4.2
56760	503	.069	.070	-1.4	56913	501	.054	.056	-3.6	57001	505	.021	.021	0.0
56760	504	.067	.070	-4.3	56913	503	.048	.050	-4.0	57002	501	.008	.009	-11.1
56760	505	.060	.061	-1.6	56913	504	.073	.076	-3.9	57002	503	.015	.016	-6.3
56805	501	.050	.051	-2.0	56913	505	.060	.062	-3.2	57002	504	.015	.016	-6.3

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57002	505	.013	.014	-7.1	57572	504	.012	.012	0.0	57798	503	.020	.020	0.0
57090	501	.150	.155	-3.2	57572	505	.011	.011	0.0	57798	504	.019	.020	-5.0
57090	503	.134	.140	-4.3	57600	501	.020	.020	0.0	57798	505	.017	.017	0.0
57090	504	.202	.210	-3.8	57600	503	.037	.037	0.0	57800	501	.041	.041	0.0
57090	505	.167	.173	-3.5	57600	504	.035	.037	-5.4	57800	503	.074	.076	-2.6
57146	501	.095	.098	-3.1	57600	505	.032	.032	0.0	57800	504	.072	.075	-4.0
57146	503	.085	.088	-3.4	57611	501	.049	.051	-3.9	57800	505	.064	.065	-1.5
57146	504	.128	.133	-3.8	57611	503	.044	.046	-4.3	57808	501	.025	.026	-3.8
57146	505	.106	.109	-2.8	57611	504	.066	.069	-4.3	57808	503	.023	.024	-4.2
57202	501	.034	.034	0.0	57611	505	.055	.057	-3.5	57808	504	.034	.036	-5.6
57202	503	.061	.063	-3.2	57625	501	.177	.180	-1.7	57808	505	.028	.029	-3.4
57202	504	.059	.062	-4.8	57625	503	.320	.330	-3.0	57809	501	.026	.027	-3.7
57202	505	.053	.054	-1.9	57625	504	.310	.330	-6.1	57809	503	.024	.024	0.0
57257	501	.042	.043	-2.3	57625	505	.280	.280	0.0	57809	504	.035	.037	-5.4
57257	503	.076	.078	-2.6	57651	501	.022	.022	0.0	57809	505	.029	.030	-3.3
57257	504	.074	.077	-3.9	57651	503	.039	.040	-2.5	57810	501	.025	.026	-3.8
57257	505	.066	.067	-1.5	57651	504	.038	.040	-5.0	57810	503	.023	.024	-4.2
57401	501	.024	.024	0.0	57651	505	.034	.034	0.0	57810	504	.034	.036	-5.6
57401	503	.043	.044	-2.3	57690	501	.064	.066	-3.0	57810	505	.028	.029	-3.4
57401	504	.042	.044	-4.5	57690	503	.057	.060	-5.0	57871	501	.030	.031	-3.2
57401	505	.037	.038	-2.6	57690	504	.086	.089	-3.4	57871	503	.027	.028	-3.6
57403	501	.153	.159	-3.8	57690	505	.071	.074	-4.1	57871	504	.041	.042	-2.4
57403	503	.150	.156	-3.8	57716	501	.030	.031	-3.2	57871	505	.034	.035	-2.9
57403	504	.173	.180	-3.9	57716	503	.027	.028	-3.6	57913	501	.053	.054	-1.9
57403	505	.123	.128	-3.9	57716	504	.041	.042	-2.4	57913	503	.096	.098	-2.0
57410	501	.012	.012	0.0	57716	505	.034	.035	-2.9	57913	504	.093	.097	-4.1
57410	503	.021	.021	0.0	57725	501	.067	.069	-2.9	57913	505	.083	.084	-1.2
57410	504	.020	.021	-4.8	57725	503	.060	.062	-3.2	57997	501	.105	.106	-0.9
57410	505	.018	.018	0.0	57725	504	.089	.093	-4.3	57997	503	.114	.116	-1.7
57411	501	.023	.024	-4.2	57725	505	.074	.076	-2.6	57997	504	.077	.079	-2.5
57411	503	.021	.021	0.0	57726	501	.052	.053	-1.9	57997	505	.120	.122	-1.6
57411	504	.031	.032	-3.1	57726	503	.046	.048	-4.2	57998	501	.023	.024	-4.2
57411	505	.026	.026	0.0	57726	504	.070	.072	-2.8	57998	503	.042	.043	-2.3
57572	501	.007	.007	0.0	57726	505	.057	.059	-3.4	57998	504	.041	.043	-4.7
57572	503	.012	.013	-7.7	57798	501	.011	.011	0.0	57998	505	.037	.037	0.0

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57999	501	.042	.043	-2.3	58096	505	.107	.109	-1.8	58459	504	.070	.071	-1.4
57999	503	.037	.039	-5.1	58301	501	.032	.033	-3.0	58459	505	.108	.110	-1.8
57999	504	.056	.058	-3.4	58301	503	.029	.030	-3.3	58503	501	.029	.029	0.0
57999	505	.046	.048	-4.2	58301	504	.043	.045	-4.4	58503	503	.052	.053	-1.9
58009	501	.042	.043	-2.3	58301	505	.036	.037	-2.7	58503	504	.050	.053	-5.7
58009	503	.037	.039	-5.1	58302	501	.018	.019	-5.3	58503	505	.045	.046	-2.2
58009	504	.056	.058	-3.4	58302	503	.034	.034	0.0	58532	501	.037	.038	-2.6
58009	505	.046	.048	-4.2	58302	504	.032	.034	-5.9	58532	503	.067	.068	-1.5
58010	501	.054	.055	-1.8	58302	505	.029	.030	-3.3	58532	504	.065	.068	-4.4
58010	503	.099	.101	-2.0	58397	501	.107	.109	-1.8	58532	505	.058	.059	-1.7
58010	504	.095	.100	-5.0	58397	503	.195	.199	-2.0	58559	501	.008	.008	0.0
58010	505	.085	.087	-2.3	58397	504	.188	.197	-4.6	58559	503	.014	.014	0.0
58020	501	.164	.171	-4.1	58397	505	.168	.171	-1.8	58559	504	.013	.014	-7.1
58020	503	.161	.168	-4.2	58408	501	.062	.063	-1.6	58559	505	.012	.012	0.0
58020	504	.185	.193	-4.1	58408	503	.067	.068	-1.5	58560	501	.018	.018	0.0
58020	505	.132	.138	-4.3	58408	504	.046	.047	-2.1	58560	503	.033	.034	-2.9
58056	501	.065	.066	-1.5	58408	505	.071	.072	-1.4	58560	504	.032	.033	-3.0
58056	503	.118	.120	-1.7	58409	501	.078	.080	-2.5	58560	505	.028	.029	-3.4
58056	504	.114	.119	-4.2	58409	503	.085	.087	-2.3	58575	501	.023	.024	-4.2
58056	505	.102	.104	-1.9	58409	504	.058	.059	-1.7	58575	503	.042	.043	-2.3
58057	501	.041	.041	0.0	58409	505	.090	.092	-2.2	58575	504	.041	.043	-4.7
58057	503	.074	.076	-2.6	58456	501	.042	.043	-2.3	58575	505	.037	.037	0.0
58057	504	.072	.075	-4.0	58456	503	.045	.046	-2.2	58627	501	.075	.076	-1.3
58057	505	.064	.065	-1.5	58456	504	.031	.032	-3.1	58627	503	.136	.139	-2.2
58058	501	.037	.037	0.0	58456	505	.048	.049	-2.0	58627	504	.132	.138	-4.3
58058	503	.067	.068	-1.5	58457	501	.061	.062	-1.6	58627	505	.118	.120	-1.7
58058	504	.064	.067	-4.5	58457	503	.066	.067	-1.5	58663	501	.211	.218	-3.2
58058	505	.057	.059	-3.4	58457	504	.045	.046	-2.2	58663	503	.189	.196	-3.6
58095	501	.052	.052	0.0	58457	505	.070	.071	-1.4	58663	504	.280	.290	-3.4
58095	503	.094	.096	-2.1	58458	501	.078	.080	-2.5	58663	505	.234	.242	-3.3
58095	504	.091	.095	-4.2	58458	503	.085	.087	-2.3	58682	501	.067	.068	-1.5
58095	505	.081	.082	-1.2	58458	504	.058	.059	-1.7	58682	503	.121	.124	-2.4
58096	501	.069	.070	-1.4	58458	505	.090	.092	-2.2	58682	504	.117	.123	-4.9
58096	503	.124	.127	-2.4	58459	501	.094	.096	-2.1	58682	505	.105	.107	-1.9
58096	504	.120	.126	-4.8	58459	503	.102	.104	-1.9	58713	501	.048	.049	-2.0

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CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
58713	503	.047	.049	-4.1	58840	501	.058	.060	-3.3	59188	505	.260	.270	-3.7
58713	504	.054	.056	-3.6	58840	503	.052	.054	-3.7	59189	501	.450	.470	-4.3
58713	505	.038	.040	-5.0	58840	504	.078	.081	-3.7	59189	503	.440	.460	-4.3
58737	501	.049	.049	0.0	58840	505	.065	.067	-3.0	59189	504	.500	.530	-5.7
58737	503	.088	.090	-2.2	58873	501	.093	.096	-3.1	59189	505	.360	.380	-5.3
58737	504	.085	.089	-4.5	58873	503	.083	.086	-3.5	59223	501	.096	.099	-3.0
58737	505	.076	.077	-1.3	58873	504	.125	.130	-3.8	59223	503	.086	.089	-3.4
58756	501	.039	.041	-4.9	58873	505	.103	.107	-3.7	59223	504	.129	.134	-3.7
58756	503	.035	.037	-5.4	58903	501	.014	.015	-6.7	59223	505	.107	.110	-2.7
58756	504	.053	.055	-3.6	58903	503	.026	.027	-3.7	59257	501	.007	.008	-12.5
58756	505	.044	.045	-2.2	58903	504	.025	.027	-7.4	59257	503	.013	.014	-7.1
58757	501	.164	.166	-1.2	58903	505	.023	.023	0.0	59257	504	.013	.014	-7.1
58757	503	.300	.300	0.0	58904	501	.011	.011	0.0	59257	505	.012	.012	0.0
58757	504	.290	.300	-3.3	58904	503	.020	.021	-4.8	59306	501	.046	.047	-2.1
58757	505	.260	.260	0.0	58904	504	.019	.020	-5.0	59306	503	.084	.086	-2.3
58759	501	.020	.020	0.0	58904	505	.017	.018	-5.6	59306	504	.081	.085	-4.7
58759	503	.037	.037	0.0	58922	501	.154	.159	-3.1	59306	505	.073	.074	-1.4
58759	504	.035	.037	-5.4	58922	503	.138	.143	-3.5	59378	501	.062	.064	-3.1
58759	505	.032	.032	0.0	58922	504	.207	.215	-3.7	59378	503	.056	.058	-3.4
58802	501	.023	.023	0.0	58922	505	.171	.177	-3.4	59378	504	.084	.087	-3.4
58802	503	.042	.043	-2.3	59005	501	.027	.028	-3.6	59378	505	.069	.072	-4.2
58802	504	.040	.042	-4.8	59005	503	.050	.051	-2.0	59481	501	.125	.126	-0.8
58802	505	.036	.037	-2.7	59005	504	.048	.050	-4.0	59481	503	.226	.231	-2.2
58813	501	.097	.100	-3.0	59005	505	.043	.044	-2.3	59481	504	.219	.229	-4.4
58813	503	.087	.090	-3.3	59057	501	.203	.206	-1.5	59481	505	.195	.199	-2.0
58813	504	.130	.135	-3.7	59057	503	.370	.380	-2.6	59482	501	.340	.350	-2.9
58813	505	.107	.111	-3.6	59057	504	.360	.370	-2.7	59482	503	.330	.350	-5.7
58822	501	.063	.064	-1.6	59057	505	.320	.320	0.0	59482	504	.380	.400	-5.0
58822	503	.115	.117	-1.7	59058	501	.131	.133	-1.5	59482	505	.270	.290	-6.9
58822	504	.111	.116	-4.3	59058	503	.238	.243	-2.1	59537	501	.067	.069	-2.9
58822	505	.099	.101	-2.0	59058	504	.230	.242	-5.0	59537	503	.060	.063	-4.8
58837	501	.195	.201	-3.0	59058	505	.206	.210	-1.9	59537	504	.090	.094	-4.3
58837	503	.174	.181	-3.9	59188	501	.330	.340	-2.9	59537	505	.075	.077	-2.6
58837	504	.260	.270	-3.7	59188	503	.320	.330	-3.0	59601	501	.047	.048	-2.1
58837	505	.216	.224	-3.6	59188	504	.370	.380	-2.6	59601	503	.085	.087	-2.3

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59601	504	.082	.086	-4.7	59724	503	.042	.043	-2.3	59781	501	.044	.045	-2.2
59601	505	.074	.075	-1.3	59724	504	.041	.042	-2.4	59781	503	.039	.040	-2.5
59647	501	.152	.158	-3.8	59724	505	.036	.037	-2.7	59781	504	.058	.061	-4.9
59647	503	.149	.155	-3.9	59725	501	.029	.029	0.0	59781	505	.048	.050	-4.0
59647	504	.171	.178	-3.9	59725	503	.052	.053	-1.9	59782	501	.065	.067	-3.0
59647	505	.122	.127	-3.9	59725	504	.051	.053	-3.8	59782	503	.058	.060	-3.3
59660	501	.086	.088	-2.3	59725	505	.045	.046	-2.2	59782	504	.087	.091	-4.4
59660	503	.157	.160	-1.9	59726	501	.021	.021	0.0	59782	505	.072	.075	-4.0
59660	504	.152	.159	-4.4	59726	503	.038	.039	-2.6	59783	501	.063	.065	-3.1
59660	505	.135	.138	-2.2	59726	504	.037	.039	-5.1	59783	503	.057	.059	-3.4
59661	501	.042	.043	-2.3	59726	505	.033	.033	0.0	59783	504	.085	.088	-3.4
59661	503	.077	.078	-1.3	59738	501	.067	.068	-1.5	59783	505	.070	.073	-4.1
59661	504	.074	.078	-5.1	59738	503	.121	.124	-2.4	59784	501	.048	.050	-4.0
59661	505	.066	.068	-2.9	59738	504	.117	.123	-4.9	59784	503	.043	.045	-4.4
59693	501	.007	.007	0.0	59738	505	.105	.107	-1.9	59784	504	.065	.068	-4.4
59693	503	.013	.013	0.0	59750	501	.050	.052	-3.8	59784	505	.054	.056	-3.6
59693	504	.012	.013	-7.7	59750	503	.045	.047	-4.3	59790	501	.052	.052	0.0
59693	505	.011	.011	0.0	59750	504	.067	.070	-4.3	59790	503	.094	.096	-2.1
59701	501	.004	.004	0.0	59750	505	.056	.058	-3.4	59790	504	.091	.095	-4.2
59701	503	.006	.006	0.0	59751	501	.018	.019	-5.3	59790	505	.081	.082	-1.2
59701	504	.006	.006	0.0	59751	503	.016	.017	-5.9	59798	501	.165	.170	-2.9
59701	505	.005	.005	0.0	59751	504	.024	.025	-4.0	59798	503	.148	.153	-3.3
59713	501	.077	.078	-1.3	59751	505	.020	.021	-4.8	59798	504	.222	.230	-3.5
59713	503	.140	.143	-2.1	59773	501	.019	.020	-5.0	59798	505	.183	.190	-3.7
59713	504	.136	.142	-4.2	59773	503	.019	.020	-5.0	59806	501	.118	.122	-3.3
59713	505	.121	.123	-1.6	59773	504	.022	.023	-4.3	59806	503	.106	.110	-3.6
59722	501	.040	.041	-2.4	59773	505	.016	.016	0.0	59806	504	.159	.165	-3.6
59722	503	.073	.074	-1.4	59774	501	.016	.016	0.0	59806	505	.131	.136	-3.7
59722	504	.070	.074	-5.4	59774	503	.016	.016	0.0	59867	501	.058	.059	-1.7
59722	505	.063	.064	-1.6	59774	504	.018	.019	-5.3	59867	503	.105	.108	-2.8
59723	501	.015	.015	0.0	59774	505	.013	.013	0.0	59867	504	.102	.107	-4.7
59723	503	.027	.028	-3.6	59775	501	.020	.021	-4.8	59867	505	.091	.093	-2.2
59723	504	.026	.028	-7.1	59775	503	.020	.021	-4.8	59886	501	.008	.008	0.0
59723	505	.024	.024	0.0	59775	504	.023	.024	-4.2	59886	503	.014	.015	-6.7
59724	501	.023	.023	0.0	59775	505	.016	.017	-5.9	59886	504	.014	.014	0.0

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59886	505	.012	.013	-7.7	59925	504	.410	.420	-2.4	59964	503	.390	.400	-2.5
59889	501	.063	.066	-4.5	59925	505	.330	.330	0.0	59964	504	.380	.390	-2.6
59889	503	.062	.065	-4.6	59926	501	.330	.330	0.0	59964	505	.340	.340	0.0
59889	504	.072	.074	-2.7	59926	503	.390	.390	0.0	59970	501	.057	.059	-3.4
59889	505	.051	.053	-3.8	59926	504	.350	.350	0.0	59970	503	.051	.053	-3.8
59892	501	.063	.065	-3.1	59926	505	.280	.280	0.0	59970	504	.077	.080	-3.7
59892	503	.057	.059	-3.4	59927	501	.221	.223	-0.9	59970	505	.064	.066	-3.0
59892	504	.085	.088	-3.4	59927	503	.260	.260	0.0	59973	501	.059	.060	-1.7
59892	505	.070	.073	-4.1	59927	504	.237	.237	0.0	59973	503	.107	.110	-2.7
59904	501	.043	.044	-2.3	59927	505	.189	.188	0.5	59973	504	.104	.109	-4.6
59904	503	.038	.040	-5.0	59931	501	.096	.097	-1.0	59973	505	.093	.094	-1.1
59904	504	.057	.060	-5.0	59931	503	.174	.178	-2.2	59975	501	.080	.083	-3.6
59904	505	.047	.049	-4.1	59931	504	.168	.177	-5.1	59975	503	.072	.075	-4.0
59905	501	.036	.037	-2.7	59931	505	.150	.153	-2.0	59975	504	.108	.112	-3.6
59905	503	.066	.067	-1.5	59932	501	.103	.105	-1.9	59975	505	.089	.092	-3.3
59905	504	.064	.067	-4.5	59932	503	.188	.191	-1.6	59977	501	.046	.047	-2.1
59905	505	.057	.058	-1.7	59932	504	.181	.190	-4.7	59977	503	.041	.043	-4.7
59914	501	.214	.217	-1.4	59932	505	.162	.165	-1.8	59977	504	.062	.064	-3.1
59914	503	.390	.400	-2.5	59941	501	.032	.033	-3.0	59977	505	.051	.053	-3.8
59914	504	.370	.390	-5.1	59941	503	.058	.060	-3.3	59984	501	.016	.016	0.0
59914	505	.330	.340	-2.9	59941	504	.056	.059	-5.1	59984	503	.029	.030	-3.3
59915	501	.142	.147	-3.4	59941	505	.050	.051	-2.0	59984	504	.028	.030	-6.7
59915	503	.127	.132	-3.8	59947	501	.043	.044	-2.3	59984	505	.025	.026	-3.8
59915	504	.191	.198	-3.5	59947	503	.038	.040	-5.0	59985	501	.063	.064	-1.6
59915	505	.158	.163	-3.1	59947	504	.057	.060	-5.0	59985	503	.115	.117	-1.7
59917	501	.026	.027	-3.7	59947	505	.047	.049	-4.1	59985	504	.111	.116	-4.3
59917	503	.024	.024	0.0	59955	501	.012	.013	-7.7	59985	505	.099	.101	-2.0
59917	504	.035	.037	-5.4	59955	503	.022	.023	-4.3	59986	501	.048	.049	-2.0
59917	505	.029	.030	-3.3	59955	504	.022	.023	-4.3	59986	503	.088	.090	-2.2
59923	501	.005	.005	0.0	59955	505	.019	.020	-5.0	59986	504	.085	.089	-4.5
59923	503	.010	.010	0.0	59963	501	.092	.093	-1.1	59986	505	.076	.077	-1.3
59923	504	.009	.010	-10.0	59963	503	.166	.170	-2.4	59988	501	.021	.021	0.0
59923	505	.008	.008	0.0	59963	504	.161	.169	-4.7	59988	503	.018	.019	-5.3
59925	501	.390	.390	0.0	59963	505	.144	.146	-1.4	59988	504	.028	.029	-3.4
59925	503	.460	.460	0.0	59964	501	.215	.218	-1.4	59988	505	.023	.024	-4.2

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59989	501	.008	.009	-11.1	61000	505	9.530	9.920	-3.9	61227	504	28.000	29.100	-3.8
59989	503	.015	.016	-6.3	61212	501	15.700	15.700	0.0	61227	505	33.800	35.100	-3.7
59989	504	.015	.016	-6.3	61212	503	12.300	12.800	-3.9	62000	501	12.000	11.900	0.8
59989	505	.013	.014	-7.1	61212	504	8.370	8.710	-3.9	62000	503	9.370	9.690	-3.3
60010	501	17.900	17.900	0.0	61212	505	10.100	10.500	-3.8	62000	504	6.360	6.620	-3.9
60010	503	11.400	11.900	-4.2	61216	501	17.500	17.400	0.6	62000	505	7.690	7.970	-3.5
60010	504	9.440	9.850	-4.2	61216	503	13.700	14.300	-4.2	62001	501	9.430	9.410	0.2
60010	505	9.630	10.000	-3.7	61216	504	9.290	9.690	-4.1	62001	503	7.390	7.680	-3.8
60011	501	20.600	20.600	0.0	61216	505	11.200	11.700	-4.3	62001	504	5.020	5.230	-4.0
60011	503	13.200	13.600	-2.9	61217	501	15.900	15.900	0.0	62001	505	6.070	6.300	-3.7
60011	504	10.900	11.300	-3.5	61217	503	12.400	12.900	-3.9	62002	501	4.310	4.290	0.5
60011	505	11.100	11.500	-3.5	61217	504	8.450	8.800	-4.0	62002	503	3.380	3.500	-3.4
60012	501	33.900	33.900	0.0	61217	505	10.200	10.600	-3.8	62002	504	2.290	2.380	-3.8
60012	503	21.600	22.400	-3.6	61218	501	10.800	10.800	0.0	62002	505	2.770	2.870	-3.5
60012	504	17.800	18.600	-4.3	61218	503	8.500	8.840	-3.8	62003	501	13.600	13.500	0.7
60012	505	18.200	18.900	-3.7	61218	504	5.770	6.010	-4.0	62003	503	10.600	11.100	-4.5
60013	501	29.000	29.100	-0.3	61218	505	6.980	7.240	-3.6	62003	504	7.220	7.520	-4.0
60013	503	18.500	19.200	-3.6	61223	501	77.100	76.900	0.3	62003	505	8.730	9.060	-3.6
60013	504	15.300	16.000	-4.4	61223	503	60.500	62.800	-3.7	63010	501	32.300	32.300	0.0
60013	505	15.600	16.200	-3.7	61223	504	41.100	42.700	-3.7	63010	503	20.600	21.400	-3.7
60015	501	21.700	21.700	0.0	61223	505	49.600	51.500	-3.7	63010	504	17.000	17.700	-4.0
60015	503	13.800	14.400	-4.2	61224	501	24.600	24.500	0.4	63010	505	17.300	18.000	-3.9
60015	504	11.400	11.900	-4.2	61224	503	19.300	20.000	-3.5	63011	501	40.300	40.400	-0.2
60015	505	11.600	12.100	-4.1	61224	504	13.100	13.600	-3.7	63011	503	25.700	26.700	-3.7
60016	501	24.400	24.400	0.0	61224	505	15.800	16.400	-3.7	63011	504	21.200	22.200	-4.5
60016	503	15.600	16.100	-3.1	61225	501	34.100	34.000	0.3	63011	505	21.700	22.500	-3.6
60016	504	12.800	13.400	-4.5	61225	503	26.700	27.800	-4.0	63012	501	57.300	57.400	-0.2
60016	505	13.100	13.600	-3.7	61225	504	18.200	18.900	-3.7	63012	503	36.600	38.000	-3.7
60035	501	30.800	30.700	0.3	61225	505	21.900	22.800	-3.9	63012	504	30.200	31.500	-4.1
60035	503	24.100	25.100	-4.0	61226	501	57.400	57.200	0.3	63012	505	30.800	32.100	-4.0
60035	504	16.400	17.100	-4.1	61226	503	45.000	46.700	-3.6	63013	501	54.300	54.400	-0.2
60035	505	19.800	20.500	-3.4	61226	504	30.500	31.800	-4.1	63013	503	34.700	35.900	-3.3
61000	501	17.700	17.800	-0.6	61226	505	36.900	38.300	-3.7	63013	504	28.600	29.900	-4.3
61000	503	11.300	11.700	-3.4	61227	501	52.500	52.300	0.4	63013	505	29.200	30.300	-3.6
61000	504	9.350	9.760	-4.2	61227	503	41.200	42.800	-3.7	63215	501	44.900	44.700	0.4

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LOSS COST % CHANGE BY CLASS

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63215	503	35.200	36.500	-3.6	66309	501	18.900	18.800	0.5	67513	505	21.200	21.200	0.0
63215	504	23.900	24.900	-4.0	66309	503	14.800	15.400	-3.9	67634	501	35.100	35.000	0.3
63215	505	28.900	29.900	-3.3	66309	504	10.000	10.500	-4.8	67634	503	27.500	28.600	-3.8
63216	501	31.100	31.000	0.3	66309	505	12.100	12.600	-4.0	67634	504	18.700	19.400	-3.6
63216	503	24.400	25.300	-3.6	66561	501	43.700	43.600	0.2	67634	505	22.600	23.400	-3.4
63216	504	16.600	17.200	-3.5	66561	503	34.300	35.600	-3.7	67635	501	24.800	24.800	0.0
63216	505	20.000	20.800	-3.8	66561	504	23.300	24.200	-3.7	67635	503	19.500	20.200	-3.5
63217	501	36.900	35.400	4.2	66561	505	28.100	29.200	-3.8	67635	504	13.200	13.800	-4.3
63217	503	31.400	31.200	0.6	67017	501	40.600	40.400	0.5	67635	505	16.000	16.600	-3.6
63217	504	32.400	32.300	0.3	67017	503	31.800	33.000	-3.6	68001	501	75.800	75.600	0.3
63217	505	36.500	36.300	0.6	67017	504	21.600	22.500	-4.0	68001	503	59.400	61.700	-3.7
63218	501	12.400	11.900	4.2	67017	505	26.100	27.100	-3.7	68001	504	40.300	42.000	-4.0
63218	503	10.600	10.500	1.0	67508	501	36.300	34.900	4.0	68001	505	48.800	50.600	-3.6
63218	504	10.900	10.900	0.0	67508	503	40.500	40.500	0.0	68439	501	97.500	97.200	0.3
63218	505	12.300	12.200	0.8	67508	504	19.500	19.500	0.0	68439	503	76.400	79.400	-3.8
64074	501	28.400	29.500	-3.7	67508	505	17.600	17.700	-0.6	68439	504	51.900	54.000	-3.9
64074	503	13.300	14.300	-7.0	67509	501	26.600	25.600	3.9	68439	505	62.700	65.100	-3.7
64074	504	11.500	12.500	-8.0	67509	503	29.700	29.700	0.0	68500	501	3.940	3.950	-0.3
64074	505	10.100	10.900	-7.3	67509	504	14.300	14.300	0.0	68500	503	2.520	2.610	-3.4
64075	501	20.000	20.800	-3.8	67509	505	12.900	13.000	-0.8	68500	504	2.080	2.170	-4.1
64075	503	9.330	10.100	-7.6	67510	501	14.800	14.300	3.5	68500	505	2.120	2.200	-3.6
64075	504	8.080	8.770	-7.9	67510	503	16.500	16.500	0.0	68604	501	1.820	1.820	0.0
64075	505	7.140	7.710	-7.4	67510	504	7.950	7.970	-0.3	68604	503	1.430	1.480	-3.4
65007	501	27.300	27.200	0.4	67510	505	7.210	7.220	-0.1	68604	504	.970	1.010	-4.0
65007	503	21.400	22.200	-3.6	67511	501	16.000	15.400	3.9	68604	505	1.170	1.210	-3.3
65007	504	14.500	15.100	-4.0	67511	503	17.900	17.900	0.0	68606	501	7.120	7.100	0.3
65007	505	17.600	18.200	-3.3	67511	504	8.600	8.620	-0.2	68606	503	5.580	5.790	-3.6
66122	501	11.700	11.700	0.0	67511	505	7.800	7.800	0.0	68606	504	3.790	3.940	-3.8
66122	503	9.210	9.570	-3.8	67512	501	68.600	66.000	3.9	68606	505	4.580	4.750	-3.6
66122	504	6.250	6.510	-4.0	67512	503	76.600	76.600	0.0	68607	501	5.630	5.610	0.4
66122	505	7.560	7.840	-3.6	67512	504	36.800	36.900	-0.3	68607	503	4.410	4.580	-3.7
66123	501	6.460	6.440	0.3	67512	505	33.400	33.400	0.0	68607	504	3.000	3.120	-3.8
66123	503	5.070	5.260	-3.6	67513	501	43.500	41.900	3.8	68607	505	3.620	3.760	-3.7
66123	504	3.440	3.580	-3.9	67513	503	48.600	48.600	0.0	68702	501	4.640	4.620	0.4
66123	505	4.160	4.310	-3.5	67513	504	23.400	23.400	0.0	68702	503	3.640	3.770	-3.4

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68702	504	2.470	2.570	-3.9	91135	503	.400	.400	0.0	91235	501	3.320	3.410	-2.6
68702	505	2.980	3.090	-3.6	91135	504	.400	.400	0.0	91235	503	3.320	3.410	-2.6
68703	501	3.480	3.470	0.3	91135	505	.400	.400	0.0	91235	504	3.320	3.410	-2.6
68703	503	2.720	2.830	-3.9	91150	501	2.720	2.790	-2.5	91235	505	3.320	3.410	-2.6
68703	504	1.850	1.930	-4.1	91150	503	2.720	2.790	-2.5	91250	501	5.000	5.140	-2.7
68703	505	2.240	2.320	-3.4	91150	504	2.720	2.790	-2.5	91250	503	5.000	5.140	-2.7
68706	501	14.900	14.900	0.0	91150	505	2.720	2.790	-2.5	91250	504	5.000	5.140	-2.7
68706	503	11.700	12.100	-3.3	91155	501	6.040	6.200	-2.6	91250	505	5.000	5.140	-2.7
68706	504	7.930	8.260	-4.0	91155	503	6.040	6.200	-2.6	91265	501	17.500	17.600	-0.6
68706	505	9.580	9.940	-3.6	91155	504	6.040	6.200	-2.6	91265	503	17.500	17.600	-0.6
68707	501	14.700	14.700	0.0	91155	505	6.040	6.200	-2.6	91265	504	17.500	17.600	-0.6
68707	503	11.500	12.000	-4.2	91160	501	1.200	1.230	-2.4	91265	505	17.500	17.600	-0.6
68707	504	7.840	8.160	-3.9	91160	503	1.200	1.230	-2.4	91266	501	9.280	9.300	-0.2
68707	505	9.480	9.830	-3.6	91160	504	1.200	1.230	-2.4	91266	503	9.280	9.300	-0.2
90089	501	4.970	5.070	-2.0	91160	505	1.200	1.230	-2.4	91266	504	9.280	9.300	-0.2
90089	503	4.970	5.070	-2.0	91175	501	1.030	1.060	-2.8	91266	505	9.280	9.300	-0.2
90089	504	4.970	5.070	-2.0	91175	503	1.030	1.060	-2.8	91302	501	18.700	18.300	2.2
90089	505	4.970	5.070	-2.0	91175	504	1.030	1.060	-2.8	91302	503	18.700	18.300	2.2
91111	501	4.280	4.400	-2.7	91175	505	1.030	1.060	-2.8	91302	504	18.700	18.300	2.2
91111	503	4.280	4.400	-2.7	91177	501	4.520	4.620	-2.2	91302	505	18.700	18.300	2.2
91111	504	4.280	4.400	-2.7	91177	503	4.520	4.620	-2.2	91315	501	5.670	5.570	1.8
91111	505	4.280	4.400	-2.7	91177	504	4.520	4.620	-2.2	91315	503	5.670	5.570	1.8
91125	501	2.990	3.050	-2.0	91177	505	4.520	4.620	-2.2	91315	504	5.670	5.570	1.8
91125	503	2.990	3.050	-2.0	91179	501	4.540	4.640	-2.2	91315	505	5.670	5.570	1.8
91125	504	2.990	3.050	-2.0	91179	503	4.540	4.640	-2.2	91324	501	12.600	12.400	1.6
91125	505	2.990	3.050	-2.0	91179	504	4.540	4.640	-2.2	91324	503	12.600	12.400	1.6
91127	501	2.880	2.960	-2.7	91179	505	4.540	4.640	-2.2	91324	504	12.600	12.400	1.6
91127	503	2.880	2.960	-2.7	91190	501	2.440	2.490	-2.0	91324	505	12.600	12.400	1.6
91127	504	2.880	2.960	-2.7	91190	503	2.440	2.490	-2.0	91340	501	8.240	8.090	1.9
91127	505	2.880	2.960	-2.7	91190	504	2.440	2.490	-2.0	91340	503	8.240	8.090	1.9
91130	501	1.440	1.440	0.0	91190	505	2.440	2.490	-2.0	91340	504	8.240	8.090	1.9
91130	503	1.440	1.440	0.0	91200	501	.820	.820	0.0	91340	505	8.240	8.090	1.9
91130	504	1.440	1.440	0.0	91200	503	.820	.820	0.0	91341	501	5.190	5.300	-2.1
91130	505	1.440	1.440	0.0	91200	504	.820	.820	0.0	91341	503	5.190	5.300	-2.1
91135	501	.400	.400	0.0	91200	505	.820	.820	0.0	91341	504	5.190	5.300	-2.1

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91341	505	5.190	5.300	-2.1	91551	504	1.720	1.750	-1.7	91636	503	4.920	4.930	-0.2
91342	501	7.560	7.420	1.9	91551	505	1.720	1.750	-1.7	91636	504	4.920	4.930	-0.2
91342	503	7.560	7.420	1.9	91555	501	2.000	2.050	-2.4	91636	505	4.920	4.930	-0.2
91342	504	7.560	7.420	1.9	91555	503	2.000	2.050	-2.4	91641	501	1.330	1.340	-0.7
91342	505	7.560	7.420	1.9	91555	504	2.000	2.050	-2.4	91641	503	1.330	1.340	-0.7
91343	501	1.140	1.170	-2.6	91555	505	2.000	2.050	-2.4	91641	504	1.330	1.340	-0.7
91343	503	1.140	1.170	-2.6	91560	501	5.130	5.140	-0.2	91641	505	1.330	1.340	-0.7
91343	504	1.140	1.170	-2.6	91560	503	5.130	5.140	-0.2	91666	501	1.070	1.090	-1.8
91343	505	1.140	1.170	-2.6	91560	504	5.130	5.140	-0.2	91666	503	1.070	1.090	-1.8
91405	501	9.600	9.420	1.9	91560	505	5.130	5.140	-0.2	91666	504	1.070	1.090	-1.8
91405	503	9.600	9.420	1.9	91562	501	3.820	3.900	-2.1	91666	505	1.070	1.090	-1.8
91405	504	9.600	9.420	1.9	91562	503	3.820	3.900	-2.1	91722	501	4.310	4.320	-0.2
91405	505	9.600	9.420	1.9	91562	504	3.820	3.900	-2.1	91722	503	4.310	4.320	-0.2
91436	501	5.870	5.990	-2.0	91562	505	3.820	3.900	-2.1	91722	504	4.310	4.320	-0.2
91436	503	5.870	5.990	-2.0	91577	501	13.700	14.000	-2.1	91722	505	4.310	4.320	-0.2
91436	504	5.870	5.990	-2.0	91577	503	13.700	14.000	-2.1	91746	501	3.820	3.900	-2.1
91436	505	5.870	5.990	-2.0	91577	504	13.700	14.000	-2.1	91746	503	3.820	3.900	-2.1
91481	501	21.400	21.900	-2.3	91577	505	13.700	14.000	-2.1	91746	504	3.820	3.900	-2.1
91481	503	21.400	21.900	-2.3	91580	501	6.770	6.780	-0.1	91746	505	3.820	3.900	-2.1
91481	504	21.400	21.900	-2.3	91580	503	6.770	6.780	-0.1	91805	501	.240	.245	-2.0
91481	505	21.400	21.900	-2.3	91580	504	6.770	6.780	-0.1	91805	503	.240	.245	-2.0
91507	501	3.160	3.220	-1.9	91580	505	6.770	6.780	-0.1	91805	504	.240	.245	-2.0
91507	503	3.160	3.220	-1.9	91590	501	3.970	4.050	-2.0	91805	505	.240	.245	-2.0
91507	504	3.160	3.220	-1.9	91590	503	3.970	4.050	-2.0	92053	501	.590	.600	-1.7
91507	505	3.160	3.220	-1.9	91590	504	3.970	4.050	-2.0	92053	503	.590	.600	-1.7
91523	501	48.700	49.700	-2.0	91590	505	3.970	4.050	-2.0	92053	504	.590	.600	-1.7
91523	503	48.700	49.700	-2.0	91606	501	14.000	14.100	-0.7	92053	505	.590	.600	-1.7
91523	504	48.700	49.700	-2.0	91606	503	14.000	14.100	-0.7	92054	501	.203	.207	-1.9
91523	505	48.700	49.700	-2.0	91606	504	14.000	14.100	-0.7	92054	503	.203	.207	-1.9
91547	501	.280	.280	0.0	91606	505	14.000	14.100	-0.7	92054	504	.203	.207	-1.9
91547	503	.280	.280	0.0	91629	501	2.870	2.880	-0.3	92054	505	.203	.207	-1.9
91547	504	.280	.280	0.0	91629	503	2.870	2.880	-0.3	92055	501	5.670	5.790	-2.1
91547	505	.280	.280	0.0	91629	504	2.870	2.880	-0.3	92055	503	5.670	5.790	-2.1
91551	501	1.720	1.750	-1.7	91629	505	2.870	2.880	-0.3	92055	504	5.670	5.790	-2.1
91551	503	1.720	1.750	-1.7	91636	501	4.920	4.930	-0.2	92055	505	5.670	5.790	-2.1

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92101	501	8.860	9.050	-2.1	92453	505	3.730	3.810	-2.1	94381	504	7.960	8.180	-2.7
92101	503	8.860	9.050	-2.1	92478	501	1.850	1.890	-2.1	94381	505	7.960	8.180	-2.7
92101	504	8.860	9.050	-2.1	92478	503	1.850	1.890	-2.1	94404	501	5.000	5.110	-2.2
92101	505	8.860	9.050	-2.1	92478	504	1.850	1.890	-2.1	94404	503	5.000	5.110	-2.2
92102	501	5.340	5.450	-2.0	92478	505	1.850	1.890	-2.1	94404	504	5.000	5.110	-2.2
92102	503	5.340	5.450	-2.0	92593	501	43.600	44.800	-2.7	94404	505	5.000	5.110	-2.2
92102	504	5.340	5.450	-2.0	92593	503	43.600	44.800	-2.7	94569	501	3.380	3.450	-2.0
92102	505	5.340	5.450	-2.0	92593	504	43.600	44.800	-2.7	94569	503	3.380	3.450	-2.0
92215	501	4.760	4.890	-2.7	92593	505	43.600	44.800	-2.7	94569	504	3.380	3.450	-2.0
92215	503	4.760	4.890	-2.7	92663	501	.670	.670	0.0	94569	505	3.380	3.450	-2.0
92215	504	4.760	4.890	-2.7	92663	503	.670	.670	0.0	94590	501	14.600	14.900	-2.0
92215	505	4.760	4.890	-2.7	92663	504	.670	.670	0.0	94590	503	14.600	14.900	-2.0
92338	501	2.050	2.090	-1.9	92663	505	.670	.670	0.0	94590	504	14.600	14.900	-2.0
92338	503	2.050	2.090	-1.9	94007	501	12.600	12.900	-2.3	94590	505	14.600	14.900	-2.0
92338	504	2.050	2.090	-1.9	94007	503	12.600	12.900	-2.3	94617	501	4.600	4.690	-1.9
92338	505	2.050	2.090	-1.9	94007	504	12.600	12.900	-2.3	94617	503	4.600	4.690	-1.9
92445	501	2.820	2.830	-0.4	94007	505	12.600	12.900	-2.3	94617	504	4.600	4.690	-1.9
92445	503	2.820	2.830	-0.4	94099	501	2.880	2.940	-2.0	94617	505	4.600	4.690	-1.9
92445	504	2.820	2.830	-0.4	94099	503	2.880	2.940	-2.0	95124	501	1.700	1.730	-1.7
92445	505	2.820	2.830	-0.4	94099	504	2.880	2.940	-2.0	95124	503	1.700	1.730	-1.7
92446	501	6.740	6.880	-2.0	94099	505	2.880	2.940	-2.0	95124	504	1.700	1.730	-1.7
92446	503	6.740	6.880	-2.0	94225	501	10.100	10.300	-1.9	95124	505	1.700	1.730	-1.7
92446	504	6.740	6.880	-2.0	94225	503	10.100	10.300	-1.9	95233	501	3.640	3.710	-1.9
92446	505	6.740	6.880	-2.0	94225	504	10.100	10.300	-1.9	95233	503	3.640	3.710	-1.9
92447	501	5.890	6.010	-2.0	94225	505	10.100	10.300	-1.9	95233	504	3.640	3.710	-1.9
92447	503	5.890	6.010	-2.0	94276	501	5.280	5.390	-2.0	95233	505	3.640	3.710	-1.9
92447	504	5.890	6.010	-2.0	94276	503	5.280	5.390	-2.0	95305	501	3.950	4.030	-2.0
92447	505	5.890	6.010	-2.0	94276	504	5.280	5.390	-2.0	95305	503	3.950	4.030	-2.0
92451	501	3.320	3.410	-2.6	94276	505	5.280	5.390	-2.0	95305	504	3.950	4.030	-2.0
92451	503	3.320	3.410	-2.6	94304	501	4.240	4.360	-2.8	95305	505	3.950	4.030	-2.0
92451	504	3.320	3.410	-2.6	94304	503	4.240	4.360	-2.8	95306	501	5.640	5.650	-0.2
92451	505	3.320	3.410	-2.6	94304	504	4.240	4.360	-2.8	95306	503	5.640	5.650	-0.2
92453	501	3.730	3.810	-2.1	94304	505	4.240	4.360	-2.8	95306	504	5.640	5.650	-0.2
92453	503	3.730	3.810	-2.1	94381	501	7.960	8.180	-2.7	95306	505	5.640	5.650	-0.2
92453	504	3.730	3.810	-2.1	94381	503	7.960	8.180	-2.7	95310	501	9.430	9.630	-2.1

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
95310	503	9.430	9.630	-2.1	96053	501	3.040	3.120	-2.6	96872	505	5.280	5.290	-0.2
95310	504	9.430	9.630	-2.1	96053	503	3.040	3.120	-2.6	97047	501	5.740	5.640	1.8
95310	505	9.430	9.630	-2.1	96053	504	3.040	3.120	-2.6	97047	503	5.740	5.640	1.8
95357	501	1.440	1.440	0.0	96053	505	3.040	3.120	-2.6	97047	504	5.740	5.640	1.8
95357	503	1.440	1.440	0.0	96317	501	1.490	1.490	0.0	97047	505	5.740	5.640	1.8
95357	504	1.440	1.440	0.0	96317	503	1.490	1.490	0.0	97050	501	4.460	4.380	1.8
95357	505	1.440	1.440	0.0	96317	504	1.490	1.490	0.0	97050	503	4.460	4.380	1.8
95410	501	5.100	5.200	-1.9	96317	505	1.490	1.490	0.0	97050	504	4.460	4.380	1.8
95410	503	5.100	5.200	-1.9	96408	501	4.410	4.510	-2.2	97050	505	4.460	4.380	1.8
95410	504	5.100	5.200	-1.9	96408	503	4.410	4.510	-2.2	97111	501	6.090	6.220	-2.1
95410	505	5.100	5.200	-1.9	96408	504	4.410	4.510	-2.2	97111	503	6.090	6.220	-2.1
95455	501	5.950	5.960	-0.2	96408	505	4.410	4.510	-2.2	97111	504	6.090	6.220	-2.1
95455	503	5.950	5.960	-0.2	96409	501	4.080	4.170	-2.2	97111	505	6.090	6.220	-2.1
95455	504	5.950	5.960	-0.2	96409	503	4.080	4.170	-2.2	97220	501	.380	.390	-2.6
95455	505	5.950	5.960	-0.2	96409	504	4.080	4.170	-2.2	97220	503	.380	.390	-2.6
95487	501	2.730	2.790	-2.2	96409	505	4.080	4.170	-2.2	97220	504	.380	.390	-2.6
95487	503	2.730	2.790	-2.2	96410	501	3.580	3.660	-2.2	97220	505	.380	.390	-2.6
95487	504	2.730	2.790	-2.2	96410	503	3.580	3.660	-2.2	97222	501	2.200	2.260	-2.7
95487	505	2.730	2.790	-2.2	96410	504	3.580	3.660	-2.2	97222	503	2.200	2.260	-2.7
95505	501	2.770	2.780	-0.4	96410	505	3.580	3.660	-2.2	97222	504	2.200	2.260	-2.7
95505	503	2.770	2.780	-0.4	96611	501	1.890	1.860	1.6	97222	505	2.200	2.260	-2.7
95505	504	2.770	2.780	-0.4	96611	503	1.890	1.860	1.6	97223	501	3.320	3.410	-2.6
95505	505	2.770	2.780	-0.4	96611	504	1.890	1.860	1.6	97223	503	3.320	3.410	-2.6
95620	501	2.220	2.260	-1.8	96611	505	1.890	1.860	1.6	97223	504	3.320	3.410	-2.6
95620	503	2.220	2.260	-1.8	96702	501	5.080	5.180	-1.9	97223	505	3.320	3.410	-2.6
95620	504	2.220	2.260	-1.8	96702	503	5.080	5.180	-1.9	97308	501	.720	.720	0.0
95620	505	2.220	2.260	-1.8	96702	504	5.080	5.180	-1.9	97308	503	.720	.720	0.0
95625	501	8.920	8.760	1.8	96702	505	5.080	5.180	-1.9	97308	504	.720	.720	0.0
95625	503	8.920	8.760	1.8	96816	501	4.760	4.860	-2.1	97308	505	.720	.720	0.0
95625	504	8.920	8.760	1.8	96816	503	4.760	4.860	-2.1	97447	501	2.360	2.360	0.0
95625	505	8.920	8.760	1.8	96816	504	4.760	4.860	-2.1	97447	503	2.360	2.360	0.0
95647	501	4.000	4.110	-2.7	96816	505	4.760	4.860	-2.1	97447	504	2.360	2.360	0.0
95647	503	4.000	4.110	-2.7	96872	501	5.280	5.290	-0.2	97447	505	2.360	2.360	0.0
95647	504	4.000	4.110	-2.7	96872	503	5.280	5.290	-0.2	97650	501	4.210	4.300	-2.1
95647	505	4.000	4.110	-2.7	96872	504	5.280	5.290	-0.2	97650	503	4.210	4.300	-2.1

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97650	504	4.210	4.300	-2.1	98091	503	.164	.168	-2.4	98160	501	5.540	5.550	-0.2
97650	505	4.210	4.300	-2.1	98091	504	.164	.168	-2.4	98160	503	5.540	5.550	-0.2
97651	501	6.970	6.990	-0.3	98091	505	.164	.168	-2.4	98160	504	5.540	5.550	-0.2
97651	503	6.970	6.990	-0.3	98092	501	.500	.510	-2.0	98160	505	5.540	5.550	-0.2
97651	504	6.970	6.990	-0.3	98092	503	.500	.510	-2.0	98161	501	6.200	6.220	-0.3
97651	505	6.970	6.990	-0.3	98092	504	.500	.510	-2.0	98161	503	6.200	6.220	-0.3
97652	501	6.050	6.060	-0.2	98092	505	.500	.510	-2.0	98161	504	6.200	6.220	-0.3
97652	503	6.050	6.060	-0.2	98111	501	.840	.860	-2.3	98161	505	6.200	6.220	-0.3
97652	504	6.050	6.060	-0.2	98111	503	.840	.860	-2.3	98163	501	6.510	6.530	-0.3
97652	505	6.050	6.060	-0.2	98111	504	.840	.860	-2.3	98163	503	6.510	6.530	-0.3
97653	501	3.600	3.680	-2.2	98111	505	.840	.860	-2.3	98163	504	6.510	6.530	-0.3
97653	503	3.600	3.680	-2.2	98152	501	3.280	3.290	-0.3	98163	505	6.510	6.530	-0.3
97653	504	3.600	3.680	-2.2	98152	503	3.280	3.290	-0.3	98164	501	2.800	2.880	-2.8
97653	505	3.600	3.680	-2.2	98152	504	3.280	3.290	-0.3	98164	503	2.800	2.880	-2.8
97654	501	6.280	6.410	-2.0	98152	505	3.280	3.290	-0.3	98164	504	2.800	2.880	-2.8
97654	503	6.280	6.410	-2.0	98153	501	3.690	3.700	-0.3	98164	505	2.800	2.880	-2.8
97654	504	6.280	6.410	-2.0	98153	503	3.690	3.700	-0.3	98257	501	1.700	1.730	-1.7
97654	505	6.280	6.410	-2.0	98153	504	3.690	3.700	-0.3	98257	503	1.700	1.730	-1.7
97655	501	5.380	5.400	-0.4	98153	505	3.690	3.700	-0.3	98257	504	1.700	1.730	-1.7
97655	503	5.380	5.400	-0.4	98154	501	4.360	4.370	-0.2	98257	505	1.700	1.730	-1.7
97655	504	5.380	5.400	-0.4	98154	503	4.360	4.370	-0.2	98303	501	12.300	12.300	0.0
97655	505	5.380	5.400	-0.4	98154	504	4.360	4.370	-0.2	98303	503	12.300	12.300	0.0
98002	501	.970	.980	-1.0	98154	505	4.360	4.370	-0.2	98303	504	12.300	12.300	0.0
98002	503	.970	.980	-1.0	98155	501	6.100	6.120	-0.3	98303	505	12.300	12.300	0.0
98002	504	.970	.980	-1.0	98155	503	6.100	6.120	-0.3	98304	501	6.300	6.430	-2.0
98002	505	.970	.980	-1.0	98155	504	6.100	6.120	-0.3	98304	503	6.300	6.430	-2.0
98003	501	1.130	1.150	-1.7	98155	505	6.100	6.120	-0.3	98304	504	6.300	6.430	-2.0
98003	503	1.130	1.150	-1.7	98157	501	3.900	3.910	-0.3	98304	505	6.300	6.430	-2.0
98003	504	1.130	1.150	-1.7	98157	503	3.900	3.910	-0.3	98305	501	4.610	4.530	1.8
98003	505	1.130	1.150	-1.7	98157	504	3.900	3.910	-0.3	98305	503	4.610	4.530	1.8
98090	501	.151	.155	-2.6	98157	505	3.900	3.910	-0.3	98305	504	4.610	4.530	1.8
98090	503	.151	.155	-2.6	98159	501	2.610	2.620	-0.4	98305	505	4.610	4.530	1.8
98090	504	.151	.155	-2.6	98159	503	2.610	2.620	-0.4	98306	501	11.900	11.700	1.7
98090	505	.151	.155	-2.6	98159	504	2.610	2.620	-0.4	98306	503	11.900	11.700	1.7
98091	501	.164	.168	-2.4	98159	505	2.610	2.620	-0.4	98306	504	11.900	11.700	1.7

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98306	505	11.900	11.700	1.7	98423	504	4.740	4.840	-2.1	98502	503	6.190	6.320	-2.1
98307	501	1.990	2.040	-2.5	98423	505	4.740	4.840	-2.1	98502	504	6.190	6.320	-2.1
98307	503	1.990	2.040	-2.5	98424	501	8.050	8.220	-2.1	98502	505	6.190	6.320	-2.1
98307	504	1.990	2.040	-2.5	98424	503	8.050	8.220	-2.1	98555	501	2.880	2.940	-2.0
98307	505	1.990	2.040	-2.5	98424	504	8.050	8.220	-2.1	98555	503	2.880	2.940	-2.0
98308	501	1.310	1.340	-2.2	98424	505	8.050	8.220	-2.1	98555	504	2.880	2.940	-2.0
98308	503	1.310	1.340	-2.2	98425	501	3.300	3.370	-2.1	98555	505	2.880	2.940	-2.0
98308	504	1.310	1.340	-2.2	98425	503	3.300	3.370	-2.1	98597	501	.650	.660	-1.5
98308	505	1.310	1.340	-2.2	98425	504	3.300	3.370	-2.1	98597	503	.650	.660	-1.5
98309	501	6.150	6.170	-0.3	98425	505	3.300	3.370	-2.1	98597	504	.650	.660	-1.5
98309	503	6.150	6.170	-0.3	98426	501	2.920	2.980	-2.0	98597	505	.650	.660	-1.5
98309	504	6.150	6.170	-0.3	98426	503	2.920	2.980	-2.0	98598	501	.222	.226	-1.8
98309	505	6.150	6.170	-0.3	98426	504	2.920	2.980	-2.0	98598	503	.222	.226	-1.8
98344	501	1.280	1.260	1.6	98426	505	2.920	2.980	-2.0	98598	504	.222	.226	-1.8
98344	503	1.280	1.260	1.6	98427	501	2.840	2.900	-2.1	98598	505	.222	.226	-1.8
98344	504	1.280	1.260	1.6	98427	503	2.840	2.900	-2.1	98601	501	7.400	7.560	-2.1
98344	505	1.280	1.260	1.6	98427	504	2.840	2.900	-2.1	98601	503	7.400	7.560	-2.1
98405	501	2.120	2.080	1.9	98427	505	2.840	2.900	-2.1	98601	504	7.400	7.560	-2.1
98405	503	2.120	2.080	1.9	98429	501	1.280	1.280	0.0	98601	505	7.400	7.560	-2.1
98405	504	2.120	2.080	1.9	98429	503	1.280	1.280	0.0	98624	501	1.160	1.190	-2.5
98405	505	2.120	2.080	1.9	98429	504	1.280	1.280	0.0	98624	503	1.160	1.190	-2.5
98413	501	16.600	16.900	-1.8	98429	505	1.280	1.280	0.0	98624	504	1.160	1.190	-2.5
98413	503	16.600	16.900	-1.8	98449	501	4.080	4.170	-2.2	98624	505	1.160	1.190	-2.5
98413	504	16.600	16.900	-1.8	98449	503	4.080	4.170	-2.2	98636	501	4.080	4.190	-2.6
98413	505	16.600	16.900	-1.8	98449	504	4.080	4.170	-2.2	98636	503	4.080	4.190	-2.6
98414	501	15.200	15.500	-1.9	98449	505	4.080	4.170	-2.2	98636	504	4.080	4.190	-2.6
98414	503	15.200	15.500	-1.9	98482	501	4.380	4.470	-2.0	98636	505	4.080	4.190	-2.6
98414	504	15.200	15.500	-1.9	98482	503	4.380	4.470	-2.0	98640	501	128.000	130.000	-1.5
98414	505	15.200	15.500	-1.9	98482	504	4.380	4.470	-2.0	98640	503	128.000	130.000	-1.5
98415	501	1.990	2.040	-2.5	98482	505	4.380	4.470	-2.0	98640	504	128.000	130.000	-1.5
98415	503	1.990	2.040	-2.5	98483	501	6.460	6.600	-2.1	98640	505	128.000	130.000	-1.5
98415	504	1.990	2.040	-2.5	98483	503	6.460	6.600	-2.1	98658	501	6.310	6.320	-0.2
98415	505	1.990	2.040	-2.5	98483	504	6.460	6.600	-2.1	98658	503	6.310	6.320	-0.2
98423	501	4.740	4.840	-2.1	98483	505	6.460	6.600	-2.1	98658	504	6.310	6.320	-0.2
98423	503	4.740	4.840	-2.1	98502	501	6.190	6.320	-2.1	98658	505	6.310	6.320	-0.2

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98659	501	1.130	1.130	0.0	98806	505	3.800	3.900	-2.6	99003	504	1.960	2.000	-2.0
98659	503	1.130	1.130	0.0	98810	501	6.500	6.380	1.9	99003	505	1.960	2.000	-2.0
98659	504	1.130	1.130	0.0	98810	503	6.500	6.380	1.9	99004	501	5.210	5.120	1.8
98659	505	1.130	1.130	0.0	98810	504	6.500	6.380	1.9	99004	503	5.210	5.120	1.8
98677	501	20.100	20.500	-2.0	98810	505	6.500	6.380	1.9	99004	504	5.210	5.120	1.8
98677	503	20.100	20.500	-2.0	98813	501	6.270	6.160	1.8	99004	505	5.210	5.120	1.8
98677	504	20.100	20.500	-2.0	98813	503	6.270	6.160	1.8	99080	501	1.380	1.410	-2.1
98677	505	20.100	20.500	-2.0	98813	504	6.270	6.160	1.8	99080	503	1.380	1.410	-2.1
98678	501	17.900	18.200	-1.6	98813	505	6.270	6.160	1.8	99080	504	1.380	1.410	-2.1
98678	503	17.900	18.200	-1.6	98820	501	10.100	10.300	-1.9	99080	505	1.380	1.410	-2.1
98678	504	17.900	18.200	-1.6	98820	503	10.100	10.300	-1.9	99111	501	2.010	2.050	-2.0
98678	505	17.900	18.200	-1.6	98820	504	10.100	10.300	-1.9	99111	503	2.010	2.050	-2.0
98699	501	5.820	5.940	-2.0	98820	505	10.100	10.300	-1.9	99111	504	2.010	2.050	-2.0
98699	503	5.820	5.940	-2.0	98884	501	2.620	2.680	-2.2	99111	505	2.010	2.050	-2.0
98699	504	5.820	5.940	-2.0	98884	503	2.620	2.680	-2.2	99163	501	4.800	4.900	-2.0
98699	505	5.820	5.940	-2.0	98884	504	2.620	2.680	-2.2	99163	503	4.800	4.900	-2.0
98705	501	8.920	8.940	-0.2	98884	505	2.620	2.680	-2.2	99163	504	4.800	4.900	-2.0
98705	503	8.920	8.940	-0.2	98914	501	.770	.770	0.0	99163	505	4.800	4.900	-2.0
98705	504	8.920	8.940	-0.2	98914	503	.770	.770	0.0	99165	501	1.050	1.070	-1.9
98705	505	8.920	8.940	-0.2	98914	504	.770	.770	0.0	99165	503	1.050	1.070	-1.9
98710	501	4.040	4.130	-2.2	98914	505	.770	.770	0.0	99165	504	1.050	1.070	-1.9
98710	503	4.040	4.130	-2.2	98949	501	1.080	1.080	0.0	99165	505	1.050	1.070	-1.9
98710	504	4.040	4.130	-2.2	98949	503	1.080	1.080	0.0	99220	501	1.690	1.700	-0.6
98710	505	4.040	4.130	-2.2	98949	504	1.080	1.080	0.0	99220	503	1.690	1.700	-0.6
98751	501	4.770	4.780	-0.2	98949	505	1.080	1.080	0.0	99220	504	1.690	1.700	-0.6
98751	503	4.770	4.780	-0.2	98967	501	4.120	4.200	-1.9	99220	505	1.690	1.700	-0.6
98751	504	4.770	4.780	-0.2	98967	503	4.120	4.200	-1.9	99222	501	3.180	3.190	-0.3
98751	505	4.770	4.780	-0.2	98967	504	4.120	4.200	-1.9	99222	503	3.180	3.190	-0.3
98805	501	5.280	5.390	-2.0	98967	505	4.120	4.200	-1.9	99222	504	3.180	3.190	-0.3
98805	503	5.280	5.390	-2.0	98993	501	7.800	8.010	-2.6	99222	505	3.180	3.190	-0.3
98805	504	5.280	5.390	-2.0	98993	503	7.800	8.010	-2.6	99223	501	.300	.300	0.0
98805	505	5.280	5.390	-2.0	98993	504	7.800	8.010	-2.6	99223	503	.300	.300	0.0
98806	501	3.800	3.900	-2.6	98993	505	7.800	8.010	-2.6	99223	504	.300	.300	0.0
98806	503	3.800	3.900	-2.6	99003	501	1.960	2.000	-2.0	99223	505	.300	.300	0.0
98806	504	3.800	3.900	-2.6	99003	503	1.960	2.000	-2.0	99303	501	16.100	16.400	-1.8

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STATE: 41 - TENNESSEE
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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
99303	503	16.100	16.400	-1.8	99571	501	.920	.950	-3.2	99709	505	4.440	4.560	-2.6
99303	504	16.100	16.400	-1.8	99571	503	.920	.950	-3.2	99718	501	1.620	1.660	-2.4
99303	505	16.100	16.400	-1.8	99571	504	.920	.950	-3.2	99718	503	1.620	1.660	-2.4
99310	501	4.020	4.110	-2.2	99571	505	.920	.950	-3.2	99718	504	1.620	1.660	-2.4
99310	503	4.020	4.110	-2.2	99572	501	1.800	1.850	-2.7	99718	505	1.620	1.660	-2.4
99310	504	4.020	4.110	-2.2	99572	503	1.800	1.850	-2.7	99746	501	2.750	2.810	-2.1
99310	505	4.020	4.110	-2.2	99572	504	1.800	1.850	-2.7	99746	503	2.750	2.810	-2.1
99315	501	11.800	12.100	-2.5	99572	505	1.800	1.850	-2.7	99746	504	2.750	2.810	-2.1
99315	503	11.800	12.100	-2.5	99573	501	1.720	1.770	-2.8	99746	505	2.750	2.810	-2.1
99315	504	11.800	12.100	-2.5	99573	503	1.720	1.770	-2.8	99760	501	.310	.320	-3.1
99315	505	11.800	12.100	-2.5	99573	504	1.720	1.770	-2.8	99760	503	.310	.320	-3.1
99321	501	11.500	11.700	-1.7	99573	505	1.720	1.770	-2.8	99760	504	.310	.320	-3.1
99321	503	11.500	11.700	-1.7	99600	501	2.270	2.230	1.8	99760	505	.310	.320	-3.1
99321	504	11.500	11.700	-1.7	99600	503	2.270	2.230	1.8	99777	501	11.300	11.100	1.8
99321	505	11.500	11.700	-1.7	99600	504	2.270	2.230	1.8	99777	503	11.300	11.100	1.8
99471	501	.770	.770	0.0	99600	505	2.270	2.230	1.8	99777	504	11.300	11.100	1.8
99471	503	.770	.770	0.0	99613	501	10.200	10.400	-1.9	99777	505	11.300	11.100	1.8
99471	504	.770	.770	0.0	99613	503	10.200	10.400	-1.9	99793	501	3.490	3.560	-2.0
99471	505	.770	.770	0.0	99613	504	10.200	10.400	-1.9	99793	503	3.490	3.560	-2.0
99505	501	6.600	6.780	-2.7	99613	505	10.200	10.400	-1.9	99793	504	3.490	3.560	-2.0
99505	503	6.600	6.780	-2.7	99614	501	5.060	4.970	1.8	99793	505	3.490	3.560	-2.0
99505	504	6.600	6.780	-2.7	99614	503	5.060	4.970	1.8	99826	501	1.280	1.260	1.6
99505	505	6.600	6.780	-2.7	99614	504	5.060	4.970	1.8	99826	503	1.280	1.260	1.6
99506	501	8.120	8.340	-2.6	99614	505	5.060	4.970	1.8	99826	504	1.280	1.260	1.6
99506	503	8.120	8.340	-2.6	99620	501	.550	.570	-3.5	99826	505	1.280	1.260	1.6
99506	504	8.120	8.340	-2.6	99620	503	.550	.570	-3.5	99827	501	.500	.510	-2.0
99506	505	8.120	8.340	-2.6	99620	504	.550	.570	-3.5	99827	503	.500	.510	-2.0
99507	501	7.080	7.270	-2.6	99620	505	.550	.570	-3.5	99827	504	.500	.510	-2.0
99507	503	7.080	7.270	-2.6	99650	501	1.800	1.850	-2.7	99827	505	.500	.510	-2.0
99507	504	7.080	7.270	-2.6	99650	503	1.800	1.850	-2.7	99851	501	2.030	2.070	-1.9
99507	505	7.080	7.270	-2.6	99650	504	1.800	1.850	-2.7	99851	503	2.030	2.070	-1.9
99570	501	3.800	3.900	-2.6	99650	505	1.800	1.850	-2.7	99851	504	2.030	2.070	-1.9
99570	503	3.800	3.900	-2.6	99709	501	4.440	4.560	-2.6	99851	505	2.030	2.070	-1.9
99570	504	3.800	3.900	-2.6	99709	503	4.440	4.560	-2.6	99917	501	3.290	3.360	-2.1
99570	505	3.800	3.900	-2.6	99709	504	4.440	4.560	-2.6	99917	503	3.290	3.360	-2.1

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STATE: 41 - TENNESSEE
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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
99917	504	3.290	3.360	-2.1	99963	503	.790	.810	-2.5					
99917	505	3.290	3.360	-2.1	99963	504	.790	.810	-2.5					
99938	501	3.690	3.770	-2.1	99963	505	.790	.810	-2.5					
99938	503	3.690	3.770	-2.1	99969	501	3.080	3.080	0.0					
99938	504	3.690	3.770	-2.1	99969	503	3.080	3.080	0.0					
99938	505	3.690	3.770	-2.1	99969	504	3.080	3.080	0.0					
99943	501	10.700	10.900	-1.8	99969	505	3.080	3.080	0.0					
99943	503	10.700	10.900	-1.8	99975	501	8.310	8.160	1.8					
99943	504	10.700	10.900	-1.8	99975	503	8.310	8.160	1.8					
99943	505	10.700	10.900	-1.8	99975	504	8.310	8.160	1.8					
99946	501	7.980	8.140	-2.0	99975	505	8.310	8.160	1.8					
99946	503	7.980	8.140	-2.0	99988	501	2.720	2.720	0.0					
99946	504	7.980	8.140	-2.0	99988	503	2.720	2.720	0.0					
99946	505	7.980	8.140	-2.0	99988	504	2.720	2.720	0.0					
99948	501	9.400	9.660	-2.7	99988	505	2.720	2.720	0.0					
99948	503	9.400	9.660	-2.7										
99948	504	9.400	9.660	-2.7										
99948	505	9.400	9.660	-2.7										
99952	501	9.520	9.350	1.8										
99952	503	9.520	9.350	1.8										
99952	504	9.520	9.350	1.8										
99952	505	9.520	9.350	1.8										
99953	501	10.300	10.100	2.0										
99953	503	10.300	10.100	2.0										
99953	504	10.300	10.100	2.0										
99953	505	10.300	10.100	2.0										
99954	501	7.480	7.350	1.8										
99954	503	7.480	7.350	1.8										
99954	504	7.480	7.350	1.8										
99954	505	7.480	7.350	1.8										
99955	501	9.370	9.200	1.8										
99955	503	9.370	9.200	1.8										
99955	504	9.370	9.200	1.8										
99955	505	9.370	9.200	1.8										
99963	501	.790	.810	-2.5										

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STATE: 41 - TENNESSEE
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LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
10010	.189	.195	-3.1	11259	.103	.118	-12.7	13759	.147	.125	17.6
10026	.031	.026	19.2	11288	.077	.077	0.0	13930	.174	.201	-13.4
10040	.320	.300	6.7	12014	.048	.040	20.0	14068	.012	.014	-14.3
10042	.460	.390	17.9	12356	.045	.034	32.4 U	14101	.059	.049	20.4
10060	.123	.102	20.6	12361	.070	.077	-9.1	14279	.080	.062	29.0
10065	.047	.036	30.6 U	12373	.023	.024	-4.2	14401	.068	.072	-5.6
10066	.094	.078	20.5	12374	.068	.067	1.5	14527	.179	.189	-5.3
10070	.151	.154	-1.9	12375	.029	.036	-19.4 L	14855	.133	.154	-13.6
10071	.182	.147	23.8	12391	.070	.082	-14.6	14913	.199	.161	23.6
10073	.630	.650	-3.1	12509	.031	.036	-13.9	15223	.044	.041	7.3
10075	.300	.226	32.7 U	12510	.037	.031	19.4	15224	.058	.059	-1.7
10100	.061	.049	24.5	12651	.510	.530	-3.8	15406	.053	.048	10.4
10101	.177	.181	-2.2	12707	.560	.640	-12.5	15538	.023	.019	21.1
10107	.420	.340	23.5	12797	.194	.196	-1.0	15600	.148	.112	32.1 U
10111	.067	.078	-14.1	12805	.154	.116	32.8 U	15608	.013	.011	18.2
10115	.113	.090	25.6	13049	.051	.057	-10.5	15733	.034	.037	-8.1
10140	.022	.021	4.8	13111	.092	.093	-1.1	15839	.033	.028	17.9
10141	.023	.023	0.0	13112	.063	.063	0.0	15991	.116	.090	28.9
10145	.009	.009	0.0	13201	.144	.160	-10.0	15993	.073	.060	21.7
10146	.015	.014	7.1	13204	1.140	1.450	-21.4	16005	.031	.034	-8.8
10255	.151	.147	2.7	13205	.420	.460	-8.7	16009	.106	.094	12.8
10256	.183	.152	20.4	13314	.014	.016	-12.5	16403	.247	.186	32.8 U
10257	.148	.169	-12.4	13351	.066	.050	32.0 U	16527	.320	.350	-8.6
10309	.024	.020	20.0	13352	.061	.051	19.6	16604	.122	.146	-16.4
10352	.050	.054	-7.4	13410	2.350	2.990	-21.4	16676	.019	.016	18.8
11020	.210	.168	25.0	13412	1.210	1.140	6.1	16705	.131	.148	-11.5
11039	.073	.067	9.0	13506	.094	.076	23.7	16750	.034	.032	6.3
11126	.024	.022	9.1	13507	.203	.176	15.3	16900	.086	.087	-1.1
11127	.013	.010	30.0	13590	.670	.740	-9.5	16901	.097	.119	-18.5
11128	.122	.098	24.5	13621	.330	.320	3.1	16902	.065	.078	-16.7
11203	.460	.520	-11.5	13670	.017	.015	13.3	16905	.086	.087	-1.1
11204	2.190	1.850	18.4	13673	.018	.016	12.5	16906	.097	.119	-18.5
11234	.088	.071	23.9	13715	.145	.165	-12.1	16910	.067	.070	-4.3
11248	.016	.018	-11.1	13716	.156	.140	11.4	16911	.051	.055	-7.3
11258	.179	.212	-15.6	13720	.057	.053	7.5	16915	.055	.058	-5.2

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LOSS COST % CHANGE BY CLASS

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16916	.050	.052	-3.8	51116	.690	.690	0.0	51666	.089	.101	-11.9
16920	.141	.145	-2.8	51205	.059	.071	-16.9	51734	.350	.310	12.9
16921	.051	.058	-12.1	51206	.320	.390	-17.9	51741	.243	.260	-6.5
16930	.218	.234	-6.8	51220	1.900	2.280	-16.7	51752	.150	.165	-9.1
16931	.092	.091	1.1	51221	1.760	1.780	-1.1	51767	.007	.008	-12.5
16940	.051	.058	-12.1	51222	4.530	3.670	23.4	51777	.077	.078	-1.3
16941	.093	.107	-13.1	51224	1.490	1.450	2.8	51808	.680	.730	-6.8
18078	.187	.162	15.4	51230	.740	.790	-6.3	51809	.146	.153	-4.6
18109	.042	.034	23.5	51240	.196	.185	5.9	51833	.054	.060	-10.0
18110	.057	.045	26.7	51241	.218	.260	-16.2	51869	.136	.136	0.0
18205	.380	.350	8.6	51252	.074	.100	-26.0 L	51877	.191	.212	-9.9
18206	.179	.142	26.1	51254	.032	.039	-17.9	51889	.011	.012	-8.3
18335	.027	.023	17.4	51300	.147	.160	-8.1	51896	.017	.018	-5.6
18435	.058	.057	1.8	51305	.880	.960	-8.3	51900	.100	.095	5.3
18436	.113	.133	-15.0	51315	.096	.106	-9.4	51909	.053	.056	-5.4
18501	.011	.012	-8.3	51330	.660	.530	24.5 U	51926	.044	.038	15.8
18506	.008	.007	14.3	51333	.320	.340	-5.9	51927	.132	.131	0.8
18507	.010	.008	25.0	51350	.127	.135	-5.9	51934	.107	.125	-14.4
18616	.590	.590	0.0	51351	.049	.042	16.7	51941	.041	.041	0.0
18707	.005	.004	25.0 U	51352	.101	.108	-6.5	51956	.205	.221	-7.2
18708	.029	.022	31.8 U	51355	.091	.094	-3.2	51957	.460	.420	9.5
18834	.174	.145	20.0	51356	.560	.620	-9.7	51958	.370	.410	-9.8
18911	.028	.023	21.7	51357	.760	.660	15.2	51960	.330	.350	-5.7
18912	.048	.038	26.3	51358	.129	.141	-8.5	51970	.177	.238	-25.6 L
18920	.027	.022	22.7	51359	.710	.780	-9.0	51982	.077	.083	-7.2
45771	.139	.164	-15.2	51370	3.830	4.570	-16.2	51986	.096	.103	-6.8
45819	.087	.078	11.5	51380	.041	.044	-6.8	51999	.400	.440	-9.1
45900	.037	.046	-19.6 L	51500	.116	.119	-2.5	52002	.114	.129	-11.6
45901	.045	.049	-8.2	51550	.400	.390	2.6	52075	.222	.243	-8.6
49239	.460	.600	-23.3	51551	.890	.910	-2.2	52134	.600	.630	-4.8
49617	.280	.230	21.7	51552	.152	.159	-4.4	52315	.270	.260	3.8
49618	.098	.074	32.4	51575	.021	.020	5.0	52433	.800	1.020	-21.6
49619	.168	.134	25.4	51576	.097	.093	4.3	52469	.096	.104	-7.7
50010	.380	.490	-22.4	51600	.172	.191	-9.9	52505	.237	.216	9.7
51001	.420	.450	-6.7	51613	.139	.139	0.0	52547	.070	.078	-10.3

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LOSS COST % CHANGE BY CLASS

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52581	2.190	2.950	-25.8 L	56391	.300	.320	-6.3	58397	.650	.740	-12.2
52744	.066	.081	-18.5	56427	.119	.125	-4.8	58503	.077	.076	1.3
52911	.420	.450	-6.7	56488	.038	.034	11.8	58575	.111	.120	-7.5
52967	.058	.062	-6.5	56690	.330	.350	-5.7	58627	.012	.013	-7.7
53001	.300	.330	-9.1	56699	.067	.057	17.5	58663	.950	1.280	-25.8 L
53077	.219	.207	5.8	56758	.140	.148	-5.4	58737	.550	.630	-12.7
53121	.400	.440	-9.1	56759	.078	.080	-2.5	58802	.480	.480	0.0
53333	.248	.239	3.8	56760	.099	.098	1.0	58837	.161	.162	-0.6
53374	.260	.310	-16.1	56912	.084	.090	-6.7	58840	.121	.127	-4.7
53375	.270	.223	21.1 U	56916	.215	.205	4.9	58873	.027	.030	-10.0
53376	.183	.194	-5.7	57001	.023	.021	9.5	58904	.120	.128	-6.2
53377	.188	.195	-3.6	57002	.096	.106	-9.4	58922	.179	.168	6.5
53565	.096	.108	-11.1	57090	.680	.660	3.0	59005	.089	.096	-7.3
53631	.021	.022	-4.5	57146	.750	.720	4.2	59188	.052	.055	-5.5
53632	.032	.034	-5.9	57257	.034	.035	-2.9	59189	.280	.300	-6.7
53732	.470	.450	4.4	57401	.089	.096	-7.3	59223	.103	.088	17.0
53733	.228	.270	-15.6	57403	.033	.035	-5.7	59257	.012	.013	-7.7
53907	.086	.103	-16.5	57410	.173	.162	6.8	59378	.141	.150	-6.0
54077	.390	.400	-2.5	57572	.099	.108	-8.3	59481	.096	.099	-3.0
55010	.980	1.080	-9.3	57600	.033	.034	-2.9	59537	.232	.210	10.5
55011	1.750	1.570	11.5	57611	.055	.062	-11.3	59601	2.230	2.370	-5.9
55012	1.110	1.180	-5.9	57651	.039	.041	-4.9	59647	.158	.170	-7.1
55013	1.120	1.140	-1.8	57690	.450	.490	-8.2	59660	1.060	1.180	-10.2
55214	.083	.088	-5.7	57716	.074	.082	-9.8	59701	.330	.290	13.8
55371	.108	.119	-9.2	57725	.075	.088	-14.8	59713	.330	.310	6.5
55597	1.680	1.790	-6.1	57726	.023	.021	9.5	59722	.028	.031	-9.7
55647	.065	.062	4.8	57810	.100	.107	-6.5	59723	.034	.037	-8.1
55715	.203	.224	-9.4	57871	.111	.118	-5.9	59724	.015	.019	-21.1
55716	.490	.520	-5.8	57913	.260	.290	-10.3	59725	.145	.116	25.0 U
55802	.011	.009	22.2 U	57998	.054	.058	-6.9	59726	.023	.024	-4.2
55918	2.260	2.740	-17.5	57999	.070	.071	-1.4	59738	.059	.064	-7.8
55919	3.420	3.650	-6.3	58095	1.790	1.990	-10.1	59750	.181	.222	-18.5
56040	.030	.033	-9.1	58096	1.490	1.230	21.1	59773	.026	.028	-7.1
56202	.078	.089	-12.4	58301	.077	.088	-12.5	59774	.141	.150	-6.0
56390	.700	.640	9.4	58302	.051	.055	-7.3	59775	.178	.188	-5.3

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STATE: 41 - TENNESSEE
 SUBLINE: PRODUCTS/COMPLETED OPERATIONS

LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
59781	.085	.068	25.0 U	91341	5.780	5.070	14.0	96409	12.100	10.500	15.2
59782	.560	.460	21.7	91342	4.100	3.720	10.2	96410	11.000	9.750	12.8
59798	.460	.500	-8.0	91343	1.880	1.760	6.8	96611	1.690	1.680	0.6
59886	.100	.108	-7.4	91436	3.060	2.860	7.0	97221	1.380	1.390	-0.7
59889	.187	.165	13.3	91507	3.140	3.010	4.3	97222	2.070	2.110	-1.9
59904	.076	.061	24.6 U	91551	.730	.680	7.4	97223	3.950	4.470	-11.6
59905	.120	.132	-9.1	91555	1.170	1.090	7.3	97447	6.140	5.130	19.7
59914	.690	.680	1.5	91560	4.210	3.910	7.7	97650	4.490	4.120	9.0
59915	.660	.750	-12.0	91577	4.080	3.470	17.6	97651	4.250	3.640	16.8
59917	.232	.205	13.2	91746	7.380	6.300	17.1	97652	5.670	4.270	32.8 U
59923	.005	.004	25.0 U	92053	.630	.560	12.5	97653	3.120	2.900	7.6
59925	1.190	1.190	0.0	92054	.217	.235	-7.7	97654	3.380	3.210	5.3
59926	.460	.450	2.2	92055	.209	.226	-7.5	97655	4.260	4.430	-3.8
59927	1.300	1.420	-8.5	92101	3.490	3.180	9.7	98002	1.110	1.070	3.7
59931	.480	.550	-12.7	92102	4.010	3.340	20.1	98152	.710	.550	29.1
59932	.800	.880	-9.1	92215	3.780	3.360	12.5	98157	.370	.440	-15.9
59947	.300	.320	-6.3	92338	2.590	2.260	14.6	98163	.195	.212	-8.0
59955	.132	.143	-7.7	92446	1.540	1.530	0.7	98164	.057	.063	-9.5
59963	.370	.410	-9.8	92447	1.820	1.680	8.3	98303	6.790	7.300	-7.0
59964	.066	.069	-4.3	92451	2.680	2.400	11.7	98304	4.730	4.030	17.4
59970	.169	.183	-7.7	92478	2.020	1.910	5.8	98305	2.370	2.030	16.7
59975	.190	.227	-16.3	94007	6.060	5.400	12.2	98306	.910	.890	2.2
59984	.049	.053	-7.5	94276	4.690	4.580	2.4	98307	.410	.430	-4.7
59988	.055	.059	-6.8	94381	13.600	10.700	27.1	98308	1.210	1.110	9.0
59989	.041	.044	-6.8	94404	5.280	4.200	25.7	98309	2.640	2.140	23.4
91111	7.750	7.310	6.0	94569	4.320	3.730	15.8	98344	.810	.810	0.0
91125	1.650	1.850	-10.8	95124	1.100	.830	32.5 U	98449	25.100	24.600	2.0
91127	1.240	1.350	-8.1	95310	1.300	1.030	26.2	98482	8.110	6.870	18.0
91150	6.220	5.750	8.2	95410	2.960	2.830	4.6	98483	22.100	20.700	6.8
91155	40.800	36.000	13.3	95455	1.700	1.280	32.8 U	98502	4.770	4.220	13.0
91235	2.390	2.740	-12.8	95505	2.770	2.400	15.4	98636	4.150	3.920	5.9
91265	1.870	1.940	-3.6	95625	4.630	3.740	23.8	98659	.340	.370	-8.1
91266	1.250	1.070	16.8	95647	7.980	7.290	9.5	98677	10.200	9.340	9.2
91280	4.060	3.060	32.7 U	96053	4.410	4.120	7.0	98678	17.500	16.300	7.4
91340	9.200	8.960	2.7	96408	15.300	14.900	2.7	98805	1.670	1.390	20.1

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STATE: 41 - TENNESSEE
 SUBLINE: PRODUCTS/COMPLETED OPERATIONS

LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
98806	3.760	3.510	7.1								
98813	1.830	1.730	5.8								
98820	3.790	3.450	9.9								
98884	1.980	1.680	17.9								
98914	.520	.570	-8.8								
98949	.270	.290	-6.9								
98967	13.200	10.600	24.5								
98993	4.020	5.000	-19.6								
99003	1.850	1.880	-1.6								
99004	1.850	1.770	4.5								
99080	7.580	7.700	-1.6								
99163	.390	.420	-7.1								
99315	2.280	1.940	17.5								
99321	2.610	2.460	6.1								
99613	2.450	2.250	8.9								
99650	1.150	1.030	11.7								
99746	3.820	3.410	12.0								
99803	10.500	9.660	8.7								
99826	.640	.570	12.3								
99827	.580	.570	1.8								
99946	2.950	2.730	8.1								
99948	25.500	24.600	3.7								
99952	23.900	22.600	5.8								
99953	11.500	12.200	-5.7								
99954	10.200	11.500	-11.3								
99955	7.330	7.700	-4.8								
99969	3.280	2.470	32.8 U								

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SECTION B
EXPLANATORY MATERIAL
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METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

INTRODUCTION

General Liability advisory prospective loss costs are determined by evaluating the adequacy of the current ISO loss costs to pay for our best estimate of losses and all loss adjustment expenses that will be incurred in the prospective (or future) period. This evaluation is done separately for Owners, Landlords, and Tenants; Manufacturers and Contractors; Products; and Local Products/Completed Operations Liability.

STEP 1:
DETERMINATION
OF INDICATED
LOSS COST
LEVEL CHANGES

The first step in this process is the determination of the statewide loss cost level indication for Owners, Landlords and Tenants and for Manufacturers and Contractors. A multistate loss cost level indication is determined for Products and for Local Products/Completed Operations. This loss cost indication represents the percentage change that on average must be made to the current ISO loss costs in order to achieve adequacy for the prospective conditions. The percentage changes are presented in Section C - Calculation of Indications.

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.

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 Section A - 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 Section F - 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.

For Local Products/Completed Operations, proposed state loss costs are calculated using a Bayesian credibility procedure. See Section G - Class Groups and Calculation of Proposed Class Loss Costs for details. In order to increase credibility, multistate experience is used in determining the class index. In calculating the change factor to be applied to the statewide loss costs, the statewide loss cost level has been used. Where loss costs have been capped, this result is multiplied by a 'buildback' factor to ensure that the selected overall statewide change is achieved.

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 1 - DETERMINATION OF INDICATED LOSS COST LEVEL CHANGE

OBJECTIVE	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?
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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, 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>
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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 experience ratios. Equal weights are assigned to each year.

For Products/Completed Operations, the standard procedure remains unchanged. The latest three accident years are weighted 20%-30%-50%, with the highest weight going to the most recent accident year.

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.

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.

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>
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METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

AGGREGATE
LOSS
COSTS

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

INCURRED
LOSSES
& LAE

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

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

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

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

Refer to Sections E, F, and G for the support for these loss-related adjustments.

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

EXPERIENCE RATIO	The experience ratio is the ratio of the incurred losses and loss adjustment expenses to the aggregate loss costs at current ISO loss cost level. It measures the adequacy of the current ISO loss costs for the prospective period.
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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 the exhibits in Section C.
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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 in this section.
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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.
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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.
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The indicated statewide change is calculated by determining the effect, on statewide loss cost levels, of implementing the multistate loss costs. The difference between the multistate change and the indicated statewide change is a result of a difference in the distribution of risks by class in this jurisdiction versus the multistate. In addition, for the states that are off the multistate loss cost level, the difference is also a result of previous multistate revisions which were not implemented in this jurisdiction.

LOCAL PRODUCTS/
COMPLETED
OPERATIONS

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

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

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

EXPLANATORY NOTES TO DETERMINATION OF INDICATED
LOSS COST LEVEL CHANGE

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

For Premises/Operations, the loss cost level indication is based upon a review of the latest four years of basic limit experience of companies reporting to Insurance Services Office, Inc. For Products/Completed Operations, the loss cost level indication is based upon a review of the latest three years of basic limit experience of companies reporting to Insurance Services Office, Inc. For Premises/Operations, data for accident years ending June 30, 2017, 2018, 2019 and 2020 are weighted 25%, 25%, 25% and 25% respectively. For Products/Completed Operations, multistate data for accident years ending December 31, 2017, 2018 and 2019 are weighted 20%, 30% and 50% 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 detail on these adjustments see sections E, F, and G.

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 Section D.

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

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

RATING VARIABLES USED

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

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

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE

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

For Owners, Landlords and Tenants:

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

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

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

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

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

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

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

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

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

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

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

n is the number of class groups in the analysis;

p is the number of territories in the analysis;

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE (Cont'd)

For Manufacturers and Contractors, and Products:

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

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

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

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

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

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

and j^{th} class group;

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

n is the number of class groups in the analysis;

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE (Cont'd)

For Local Products/Completed Operations:

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

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

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

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

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

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

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

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

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

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

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

n is the number of class groups in the analysis;

p is the number of states in the analysis;

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE (Cont'd)

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

APPLICATION OF CREDIBILITY

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

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

Manufacturers and Contractors and $Z = \sqrt{P/20,000}$ 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 versus

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

of policy and class group, and $Z = \sqrt{P/5,500}$ 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:

$W = R^Z$ 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.

MONOLINE INDICATIONS -- PREMISES/ OPERATIONS

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

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

Territory applies to Owners, Landlords and Tenants only.

MONOLINE INDICATIONS -- PRODUCTS

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

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

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

MONOLINE INDICATIONS -- LOCAL PRODUCTS/ COMPLETED OPERATIONS

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

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

EXPLANATORY NOTES TO IMPLICIT PACKAGE MODIFICATION FACTORS

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

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

EXPLANATION OF EXPOSURE DEVELOPMENT

IMPORTANCE OF APPLICATION

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

APPLICATION OF EXPOSURE DEVELOPMENT FACTORS

The earned exposures underlying the Premises/Operations statewide loss cost level indications are evaluated as of September 30, 2020. Products/Completed Operations data is evaluated as of March 31, 2020.

For example, the accident year ending December 31, 2019 includes all exposures earned during the period from January 1, 2019 through December 31, 2019.

The immature experience reported as of 15 and 27 months for accident years ending 6/30/2020 and 6/30/2019 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, 2020 for Premises/ Operations and March 31, 2020 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)

Section E - 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 Section F - Multistate Exposure Development. Section G - 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 premium development factors for the latest accident year to reflect the reduced expected exposures for M&C 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 H for details.

EXPLANATION OF LOSS DEVELOPMENT

IMPORTANCE OF APPLICATION

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

APPLICATION OF LOSS DEVELOPMENT FACTORS

The incurred losses and allocated loss adjustment expenses underlying the Premises/Operations statewide loss cost level indications were evaluated as of September 30, 2020. Products/Completed Operations data is evaluated as of March 31, 2020.

For example, the accident year ending December 31, 2019 includes all losses and allocated loss adjustment expenses paid on accidents occurring from January 1, 2019 through December 31, 2019 and all losses and loss adjustment expenses outstanding on those policies as of March 31, 2020, 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 6/30/2020, 6/30/2019, 6/30/2018 and 6/30/2017 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.

Section E - Loss Development Data displays 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 Section F - Loss Development Data.

Section G - 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 Section G - Loss Development Data.

EXPLANATION OF ALLOCATED LOSS ADJUSTMENT EXPENSE (ALAE) DEVELOPMENT

OBJECTIVE

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

Traditional development procedures customarily used for losses apply a loss development factor to reported losses at various evaluation points. For example, a '15-month to ultimate' factor would be applied to the losses for accident year ended June 30, 2020 evaluated as of September 30, 2020. If an analogous procedure is used for ALAE, the variability of the experience can lead to unusually high (or low) estimates of ultimate ALAE.

INCREMENTAL ALAE PERCENTAGES

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

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

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

EXPLANATION OF ALLOCATED LOSS ADJUSTMENT EXPENSE (ALAE) DEVELOPMENT

DESCRIPTION OF METHODOLOGY

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

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

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

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

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 Section E - Loss Development.

EXPLANATION OF ALLOCATED LOSS ADJUSTMENT EXPENSE (ALAE) DEVELOPMENT

FRINGE	Because there is a lower volume of data for the fringe coverage, the incremental ALAE percentages are calculated using multistate data and applied to state ultimate indemnity losses (capped at \$500,000).
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).
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).

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
2001	A	G	L	P	S	U	Z*
2002	B	H	M	Q	T	Y*	
2003	C	I	N	R	X*	Y*	
2004	D	J	O	W*	X*	Y*	
2005	E	K	V*	W*	X*	Y*	
2006	F						
Best 3 out of 5#	BTOF1	BTOF2	BTOF3	BTOF4	BTOF5	BTOF6	

* Calculated using the Modified Bondy Procedure.

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

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

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

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

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

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

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

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

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

UNALLOCATED LOSS ADJUSTMENT FACTOR METHODOLOGY

BACKGROUND	<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 Sections E, F, and G). 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 Section E - 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 Section F - Trend Data. For Local Products/Completed Operations exposure trend detail, see Section G - Trend Data.

SEVERITY TREND

The Premises/Operations multistate accident year (both fiscal and calendar year) average ultimate occurrence severity for the latest six, eight and ten years are displayed in the trend data exhibits in Section E. For Products, multistate calendar accident year average occurrence severity for the latest six, eight and ten years is displayed in Section F. For Local Products/Completed Operations, multistate calendar accident year average occurrence severity for the latest six, eight and ten years is displayed in Section G. 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.

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

EXPLANATION OF TREND CALCULATION

SEVERITY TREND (Cont'd)

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

FREQUENCY TREND

The historical occurrence frequency data are displayed in the Trend Data exhibits in Sections E, F, and G. For Premises/Operations, these pages display the frequency data for CGL only for accident years ending 6/31/2007 - 6/31/2020. For Products/Completed Operations, these pages display the frequency data for CGL only for accident years ending 12/31/2006 - 12/31/2019. 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 selected 0.0%. 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.

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 for Premises/Operations classifications are presented in Section E - Class Groups and Differentials. 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.

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

The present class groups for Products classifications are presented in Section F - 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 Section F - Class Groups and Calculation of Proposed Class Loss Costs for details of the calculation of multistate class loss costs.

EXPLANATORY NOTES TO CLASS GROUPS AND
CALCULATION OF PROPOSED CLASS LOSS COSTS --
LOCAL PRODUCTS/COMPLETED OPERATIONS

The present class groups for Local Products/Completed Operations classifications are presented in Section G - Class Groups and Calculation of Proposed Class Loss Costs. Class groups 21 and 22 are A-rated class groups and are not reviewed in this document.

Statewide proposed Local Products/Completed Operations class loss costs are calculated as the product of the class index, the class group relative change, the statewide loss cost level change and a 'build back' factor to ensure that the selected statewide overall change is achieved. In order to increase credibility, multistate experience is used in determining the class index. The class group relative change used is also multistate. Capping is performed by comparing the proposed loss costs to the present statewide loss costs. The class index is determined using credibility weighted experience ratios, where a Bayesian credibility procedure is used. See Section G - Class Groups and Calculation of Proposed Class Loss Costs for details of the calculation of statewide class loss costs.

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Determination of Indicated Loss Cost Level Change:

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

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	\$100,000 BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
06/30/2017	\$18,240,061	\$19,225,376	0.25	1.054	688
06/30/2018	18,871,863	16,626,584	0.25	0.881	613
06/30/2019	18,756,672	16,230,034	0.25	0.865	606
06/30/2020	18,910,835	18,039,311	0.25	0.954	544

(7)	WEIGHTED EXPERIENCE RATIO	0.939
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C)	1.023
(9)	CREDIBILITY BASED ON LATEST FOUR YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS)	0.61
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO {(7) X (9)} + {(8) X {1.0 -(9)}}	0.972
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE {(10)-1} X 100%	- 2.8 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)	- 1.2 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE	- 1.2 %

- (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 E - 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 06/01/2022. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.
- (C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.023). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.023) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (06/01/2022) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (06/01/2023).

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

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	\$100,000 BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
06/30/2017	\$21,220,784	\$20,151,375	0.25	0.950	1,107
06/30/2018	20,220,387	19,177,543	0.25	0.948	1,078
06/30/2019	19,831,084	19,518,451	0.25	0.984	1,058
06/30/2020	18,606,832	16,229,197	0.25	0.872	767

(7)	WEIGHTED EXPERIENCE RATIO	0.939
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C)	1.037
(9)	CREDIBILITY BASED ON LATEST FOUR YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS)	0.82
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO {(7) X (9)} + {(8) X {1.0 -(9)}}	0.957
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE {(10)-1} X 100%	- 4.3 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)	- 2.7 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE	- 2.7 %

(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 E - 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 06/01/2022. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.037). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.037) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (06/01/2022) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (06/01/2023).

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

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	MULTISTATE AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	MULTISTATE \$100,000 BASIC LIMITS INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
12/31/2017	\$116,442,960	\$122,766,765	0.20	1.054	2,085
12/31/2018	114,595,571	112,493,565	0.30	0.982	1,864
12/31/2019	118,873,835	108,853,141	0.50	0.916	1,881
(7)	WEIGHTED EXPERIENCE RATIO				0.963
(8)	INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (7)-1.00 } X 100%				- 3.7 %
(9)	INDICATED MULTISTATE MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)				- 6.1 %
(10)	INDICATED STATEWIDE MONOLINE CHANGE (SEE FOOTNOTE C)				- 4.1 %
(11)	SELECTED STATEWIDE MONOLINE CHANGE				- 4.1 %

- (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 F - 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 07/01/2021.
- (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 YEAR ENDING	MULTISTATE AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	MULTISTATE \$100,000 BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
12/31/2017	\$343,172,047	\$355,978,064	0.20	1.037	6,339
12/31/2018	347,232,299	367,885,430	0.30	1.059	6,253
12/31/2019	352,878,101	393,194,740	0.50	1.114	6,100

(7)	WEIGHTED EXPERIENCE RATIO.....	1.082
(8)	INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (7) - 1.00 } x 100%.....	+ 8.2 %
(9)	INDICATED MULTISTATE MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS).....	+ 9.3 %
(10)	INDICATED STATEWIDE MONOLINE CHANGE (C) (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS).....	+ 8.4 %
(11)	SELECTED STATEWIDE MONOLINE CHANGE.....	+ 8.4 %

(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 G - 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 07/01/2021.

(C) THE INDICATED STATEWIDE MONOLINE CHANGE IS CALCULATED BASED ON THE INDICATED MULTISTATE MONOLINE CHANGE.

SECTION D

RELATIVE CHANGE ANALYSIS

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TENNESSEE
MANUFACTURERS AND CONTRACTORS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	STATEWIDE COVERAGE IND. OF 0.972 OR - 2.8%	
TOP						
10	1.077	0.266	1.020	1.016		
33	1.505	0.031	1.013	1.009		
34	0.953	0.089	0.996	0.992		
35	0.926	0.048	0.996	0.992		
36	0.754	0.124	0.966	0.962		
37	1.169	0.093	1.015	1.011		
38	0.976	0.249	0.994	0.990		
					(5) INDICATED MONOLINE CHANGE	
CLASS GROUP						
30	0.985	0.109	0.998	0.994	-	1.9%
31	1.240	0.208	1.046	1.041	+	2.8%
32	1.024	0.242	1.006	1.001	-	1.1%
33	1.199	0.135	1.025	1.020	+	0.7%
34	0.945	0.128	0.993	0.988	-	2.4%
35	0.234	0.032	0.955	0.950	-	6.2%
36	0.570	0.076	0.958	0.954	-	5.8%
37	0.473	0.052	0.962	0.957	-	5.5%
38	0.774	0.101	0.975	0.970	-	4.2%
OVERALL MONOLINE INDICATION -						1.2%
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* Monoline/multiline ALCCL for the latest year was used to weight the indicated 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. 06/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	30 SERVICE	\$466,449	\$2,352,570	0.896	0.995	66	1.009
	31 LIGHT CONTRACTING	996,162	4,218,776	1.653	1.835	347	1.057
	32 MEDIUM CONTRCTING	3,533,728	16,411,832	0.918	1.019	615	1.017
	33 HEAVY CONTRACTING	1,033,138	4,322,391	1.099	1.220	97	1.036
	34 DEALER OR DISTRIB	258,636	1,507,597	0.826	0.917	54	1.004
	35 LGT. MANUFACTURER	127,145	655,381	0.227	0.252	4	0.965
	36 MED. MANUFACTURER	416,387	2,084,594	0.452	0.502	25	0.969
	37 HVY. MANUFACTURER	200,801	1,127,926	0.314	0.349	11	0.973
	38 MISC. OPERATION	422,476	1,932,993	0.761	0.845	60	0.985
	TOTAL *	\$7,454,922	\$34,614,060	0.974		1,279	
33 MULT OFFICE	31 LIGHT CONTRACTING	\$10,461	\$52,514	1.035	1.149	3	1.050
	32 MEDIUM CONTRCTING	3,810	15,087	0.000	0.000	0	1.010
	33 HEAVY CONTRACTING	64,849	377,884	3.112	3.455	9	1.029
	38 MISC. OPERATION	97,805	462,852	0.187	0.207	6	0.979
	TOTAL *	\$176,925	\$908,337	1.305		18	
34 MULT MERCANTILE	30 SERVICE	\$47,089	\$219,331	0.306	0.339	2	0.986
	32 MEDIUM CONTRCTING	159,342	643,668	1.119	1.242	13	0.993
	34 DEALER OR DISTRIB	535,078	2,733,071	0.708	0.786	115	0.980
	36 MED. MANUFACTURER	27	218	0.000	0.000	0	0.946
	38 MISC. OPERATION	47,417	211,900	1.562	1.734	14	0.962
	TOTAL *	\$788,953	\$3,808,188	0.818		144	
35 MULT INSTITUT.	31 LIGHT CONTRACTING	\$6,263	\$39,524	0.000	0.000	0	1.033
	32 MEDIUM CONTRCTING	211,662	1,246,979	0.884	0.982	42	0.993
	TOTAL *	\$217,925	\$1,286,503	0.859		42	
36 MULT SERVICES	30 SERVICE	\$68,646	\$283,968	0.618	0.685	15	0.956
	31 LIGHT CONTRACTING	216,555	953,269	0.749	0.832	37	1.001
	32 MEDIUM CONTRCTING	167,165	694,384	0.099	0.110	8	0.963
	33 HEAVY CONTRACTING	22,238	96,557	2.579	2.863	5	0.981
	34 DEALER OR DISTRIB	582,425	3,313,586	0.703	0.780	124	0.950
	36 MED. MANUFACTURER	981	7,494	0.000	0.000	0	0.917
	38 MISC. OPERATION	596,373	2,833,568	0.607	0.674	91	0.933
	TOTAL *	\$1,654,383	\$8,182,826	0.635		280	

TENNESSEE
MANUFACTURERS AND CONTRACTORS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E. 06/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
37 MULT INDUST/PROC.	31 LIGHT CONTRACTING	\$535	\$1,021	0.000	0.000	0	1.052
	32 MEDIUM CONTRCTING	131,322	605,223	0.686	0.762	13	1.012
	33 HEAVY CONTRACTING	39,544	216,921	0.105	0.116	6	1.031
	34 DEALER OR DISTRIB	5,606	36,640	8.618	9.567	2	0.999
	35 LGT. MANUFACTURER	132,771	754,491	0.246	0.273	15	0.960
	36 MED. MANUFACTURER	973,326	5,325,652	0.643	0.714	81	0.964
	37 HVY. MANUFACTURER	580,820	2,993,913	0.548	0.608	38	0.968
	38 MISC. OPERATION	20,376	124,879	0.022	0.025	1	0.980
	TOTAL *	\$1,884,300	\$10,058,740	0.594		156	
38 MULT CONTRACTORS	30 SERVICE	\$1,024,150	\$5,177,396	0.921	1.023	132	0.984
	31 LIGHT CONTRACTING	1,502,028	7,574,399	0.814	0.904	392	1.031
	32 MEDIUM CONTRCTING	2,565,455	12,703,272	1.047	1.162	367	0.991
	33 HEAVY CONTRACTING	1,602,927	7,715,793	1.039	1.153	215	1.010
	38 MISC. OPERATION	78,667	480,944	0.752	0.834	13	0.960
	TOTAL *	\$6,773,227	\$33,651,804	0.971		1,119	
TOTAL ALL TOP	30 SERVICE	\$1,606,334	\$8,033,265	0.883		215	
	31 LIGHT CONTRACTING	2,732,004	12,839,503	1.114		779	
	32 MEDIUM CONTRCTING	6,772,484	32,320,445	0.946		1,058	
	33 HEAVY CONTRACTING	2,762,696	12,729,546	1.109		332	
	34 DEALER OR DISTRIB	1,381,745	7,590,894	0.760		295	
	35 LGT. MANUFACTURER	259,916	1,409,872	0.237		19	
	36 MED. MANUFACTURER	1,390,721	7,417,958	0.586		106	
	37 HVY. MANUFACTURER	781,621	4,121,839	0.488		49	
	38 MISC. OPERATION	1,263,114	6,047,136	0.661		185	
	TOTAL *	\$18,950,635	\$92,510,458	0.901		3,038	

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

TENNESSEE
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	STATEWIDE COVERAGE IND. OF 0.957 OR - 4.3%	
TOP						
10	1.050	0.288	1.014	1.016		
31	1.970	0.178	1.128	1.130		
32	1.144	0.105	1.014	1.016		
33	0.757	0.173	0.953	0.954		
34	1.004	0.271	1.001	1.003		
35	0.831	0.174	0.968	0.970		
36	0.736	0.142	0.957	0.959		
					(5) INDICATED MONOLINE CHANGE	
CLASS GROUP						
01	1.249	0.169	1.038	1.039	+	0.6%
02	1.008	0.223	1.002	1.003	-	2.7%
03	0.795	0.114	0.974	0.975	-	5.5%
04	0.947	0.035	0.998	0.999	-	3.1%
05	0.953	0.049	0.998	0.999	-	3.1%
06	0.702	0.060	0.979	0.980	-	4.8%
07	1.366	0.128	1.041	1.042	+	1.1%
08	0.942	0.037	0.998	0.999	-	3.1%
09	0.816	0.220	0.956	0.957	-	6.9%
10	1.186	0.178	1.031	1.032	+	0.4%
11	0.939	0.119	0.993	0.994	-	3.3%
12	0.970	0.248	0.992	0.994	-	3.2%
13	1.162	0.086	1.013	1.014	-	1.2%
16	0.969	0.022	0.999	1.000	-	3.4%

OVERALL MONOLINE INDICATION - 2.7%

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

TENNESSEE
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1)	(2)	(3)	(4)	(5)
	BAILEY				
TERRITORY	FORMULA RELATIV.	CREDIBILITY Z	Z-WTD RELATIV.	BALANCED RELATIV.	INDICATED MONOLINE CHG.
501	1.166	0.207	1.032	1.034	+ 0.4%
503	0.971	0.284	0.992	0.994	- 3.6%
504	0.912	0.112	0.990	0.992	- 3.5%
505	0.979	0.380	0.992	0.994	- 2.9%

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

TENNESSEE
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY 501

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$10,950	\$155,382	1.552	1.591	18	1.092
	02 RESTAURANTS	53,652	317,264	1.689	1.731	43	1.054
	03 STORES	12,616	72,604	0.829	0.849	4	1.025
	04 VENDING & RENTAL	1,135	37,223	0.000	0.000	0	1.050
	05 FOOD & BEV. DIST.	7,498	59,535	0.080	0.082	0	1.049
	06 NON-FOOD&BEV.DIST	12,839	79,438	0.025	0.026	2	1.030
	07 CLUBS, AMSMT&SPRTS	52,950	191,755	2.937	3.010	19	1.095
	08 HEALTH CARE FACIL	4,398	24,612	0.166	0.170	2	1.049
	09 HOTELS AND MOTELS	144,908	905,451	0.601	0.616	79	1.006
	10 SCHLS & CHURCHES	87,914	519,776	1.072	1.099	10	1.084
	11 APARTMENTS	164,429	1,445,877	0.411	0.421	17	1.044
	12 BUILDINGS&OFFICES	388,524	2,420,684	0.880	0.902	44	1.044
	13 MISC. PREMISES	51,478	260,848	0.668	0.685	31	1.065
	TOTAL *	\$993,291	\$6,490,449	0.907		269	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$146,184	\$827,743	3.274	3.355	70	1.119
	TOTAL *	\$146,184	\$827,743	3.274		70	
32 MULT APARTMENT	11 APARTMENTS	\$64,767	\$409,020	1.405	1.440	36	1.044
	12 BUILDINGS&OFFICES	11,524	46,682	0.234	0.240	1	1.044
	TOTAL *	\$76,291	\$455,702	1.228		37	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$441,459	\$2,391,240	1.443	1.479	77	0.981
	13 MISC. PREMISES	2,531	9,268	0.255	0.261	1	1.001
	TOTAL *	\$443,990	\$2,400,508	1.436		78	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$43,804	\$613,991	1.228	1.259	68	1.078
	02 RESTAURANTS	216,050	1,079,970	1.078	1.105	69	1.040
	03 STORES	81,819	421,199	0.840	0.861	26	1.011
	04 VENDING & RENTAL	1,811	7,006	2.126	2.179	1	1.036
	05 FOOD & BEV. DIST.	12,233	79,969	3.855	3.950	22	1.036
	06 NON-FOOD&BEV.DIST	45,781	230,337	0.028	0.028	2	1.016
	12 BUILDINGS&OFFICES	155,377	885,122	0.141	0.144	13	1.030
	TOTAL *	\$556,875	\$3,317,594	0.771		201	

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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	501		(1)	(2)	(3)	(4)	(5)	(6)
			FISCAL A.Y.E. 06/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP							
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS		\$12,536	\$57,258	0.243	0.249	1	1.045
	08 HEALTH CARE FACIL		7,801	50,455	0.433	0.443	4	1.002
	10 SCHLS & CHURCHES		228,985	1,140,849	0.838	0.858	49	1.035
	12 BUILDINGS&OFFICES		1,166	5,978	1.892	1.939	2	0.997
	TOTAL *		\$250,488	\$1,254,540	0.800		56	
36 MULT SERVICES	03 STORES		\$7,343	\$39,071	0.000	0.000	0	0.967
	04 VENDING & RENTAL		8,171	42,386	1.138	1.167	3	0.991
	07 CLUBS,AMSMT&SPRTS		65,093	319,932	0.216	0.221	4	1.033
	08 HEALTH CARE FACIL		4,165	22,342	0.000	0.000	0	0.991
	09 HOTELS AND MOTELS		0	47,096	0.000	0.000	0	0.950
	10 SCHLS & CHURCHES		1,409	6,245	3.006	3.080	5	1.023
	12 BUILDINGS&OFFICES		64,587	361,716	2.319	2.377	35	0.985
	13 MISC. PREMISES		30,772	186,748	1.813	1.858	17	1.006
	TOTAL *		\$181,540	\$1,025,536	1.284		64	
TOTAL ALL	TOP	01 FOOD&BEV. (RETAIL)	\$54,754	\$769,373	1.293		86	
		02 RESTAURANTS	269,702	1,397,234	1.199		112	
		03 STORES	101,778	532,874	0.778		30	
		04 VENDING & RENTAL	11,117	86,615	1.183		4	
		05 FOOD & BEV. DIST.	19,731	139,504	2.420		22	
		06 NON-FOOD&BEV.DIST	58,620	309,775	0.027		4	
		07 CLUBS,AMSMT&SPRTS	130,579	568,945	1.322		24	
		08 HEALTH CARE FACIL	16,364	97,409	0.251		6	
		09 HOTELS AND MOTELS	291,092	1,780,290	1.943		149	
		10 SCHLS & CHURCHES	318,308	1,666,870	0.912		64	
		11 APARTMENTS	229,196	1,854,897	0.692		53	
		12 BUILDINGS&OFFICES	1,062,637	6,111,422	1.088		172	
		13 MISC. PREMISES	84,781	456,864	1.071		49	
		TOTAL *	\$2,648,659	\$15,772,072	1.123		775	

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

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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY 503

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$58,450	\$367,663	1.265	1.296	36	1.049
	02 RESTAURANTS	257,949	1,555,544	0.806	0.826	82	1.012
	03 STORES	71,499	453,289	0.424	0.434	7	0.984
	04 VENDING & RENTAL	5,446	50,974	0.000	0.000	0	1.008
	05 FOOD & BEV. DIST.	15,405	80,027	0.000	0.000	0	1.008
	06 NON-FOOD&BEV.DIST	17,404	119,501	0.006	0.006	1	0.989
	07 CLUBS, AMSMT&SPRTS	64,409	355,719	3.482	3.568	31	1.051
	08 HEALTH CARE FACIL	14,988	77,080	0.350	0.359	3	1.008
	09 HOTELS AND MOTELS	255,819	2,226,807	0.663	0.680	118	0.966
	10 SCHLS & CHURCHES	64,822	456,478	2.087	2.139	17	1.041
	11 APARTMENTS	197,940	1,130,817	1.445	1.481	36	1.003
	12 BUILDINGS&OFFICES	475,891	2,464,868	0.905	0.928	92	1.003
	13 MISC. PREMISES	87,708	952,760	0.572	0.587	14	1.023
	TOTAL *	\$1,587,730	\$10,291,527	1.016		437	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$539,184	\$1,856,453	1.318	1.351	141	1.075
	TOTAL *	\$539,184	\$1,856,453	1.318		141	
32 MULT APARTMENT	11 APARTMENTS	\$292,223	\$1,241,504	0.774	0.793	70	1.003
	12 BUILDINGS&OFFICES	77,042	304,611	1.680	1.721	13	1.003
	TOTAL *	\$369,265	\$1,546,115	0.963		83	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$1,109,495	\$5,716,271	0.546	0.560	155	0.942
	13 MISC. PREMISES	8,900	43,874	0.000	0.000	0	0.962
	TOTAL *	\$1,118,395	\$5,760,145	0.542		155	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$91,380	\$857,799	0.187	0.192	13	1.035
	02 RESTAURANTS	730,847	3,728,817	1.235	1.266	250	0.999
	03 STORES	280,688	1,186,110	1.303	1.336	72	0.972
	04 VENDING & RENTAL	1,863	7,977	0.000	0.000	0	0.995
	05 FOOD & BEV. DIST.	77,240	339,570	0.391	0.401	4	0.995
	06 NON-FOOD&BEV.DIST	127,383	758,135	1.514	1.551	31	0.976
	12 BUILDINGS&OFFICES	194,656	1,036,509	1.179	1.208	47	0.990
	TOTAL *	\$1,504,057	\$7,914,917	1.156		417	

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TERRITORY	503		(1)	(2)	(3)	(4)	(5)	(6)
			FISCAL A.Y.E. 06/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
35 MULT INSTITUT.		07 CLUBS,AMSMT&SPRTS	\$577	\$648	0.008	0.008	1	1.004
		08 HEALTH CARE FACIL	33,781	207,049	0.298	0.306	4	0.962
		10 SCHLS & CHURCHES	509,323	2,696,741	0.598	0.613	101	0.994
		12 BUILDINGS&OFFICES	10,189	51,178	0.155	0.159	2	0.957
		13 MISC. PREMISES	28	140	0.000	0.000	0	0.977
		16 GOVT SUBDIVISIONS	7	9	0.000	0.000	0	0.964
		TOTAL *	\$553,905	\$2,955,765	0.571		108	
36 MULT SERVICES		03 STORES	\$18,384	\$81,688	0.501	0.514	6	0.929
		04 VENDING & RENTAL	44,589	309,999	0.697	0.714	8	0.952
		07 CLUBS,AMSMT&SPRTS	248,288	1,092,706	0.767	0.786	52	0.993
		08 HEALTH CARE FACIL	1,171	14,182	0.000	0.000	0	0.952
		09 HOTELS AND MOTELS	2,325	11,224	0.000	0.000	0	0.912
		10 SCHLS & CHURCHES	1,058	8,253	0.000	0.000	0	0.983
		12 BUILDINGS&OFFICES	79,675	516,422	1.689	1.731	27	0.947
		13 MISC. PREMISES	96,979	467,602	1.079	1.106	25	0.966
		TOTAL *	\$492,469	\$2,502,076	0.954		118	
TOTAL ALL	TOP	01 FOOD&BEV. (RETAIL)	\$149,830	\$1,225,462	0.608		49	
		02 RESTAURANTS	988,796	5,284,361	1.123		332	
		03 STORES	370,571	1,721,087	1.094		85	
		04 VENDING & RENTAL	51,898	368,950	0.599		8	
		05 FOOD & BEV. DIST.	92,645	419,597	0.326		4	
		06 NON-FOOD&BEV.DIST	144,787	877,636	1.332		32	
		07 CLUBS,AMSMT&SPRTS	313,274	1,449,073	1.324		84	
		08 HEALTH CARE FACIL	49,940	298,311	0.307		7	
		09 HOTELS AND MOTELS	797,328	4,094,484	1.104		259	
		10 SCHLS & CHURCHES	575,203	3,161,472	0.765		118	
		11 APARTMENTS	490,163	2,372,321	1.045		106	
		12 BUILDINGS&OFFICES	1,946,948	10,089,859	0.787		336	
		13 MISC. PREMISES	193,615	1,464,376	0.800		39	
		16 GOVT SUBDIVISIONS	7	9	0.000		0	
		TOTAL *	\$6,165,005	\$32,826,998	0.942		1,459	

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

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TERRITORY 504

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$36,356	\$270,608	2.150	2.203	31	1.047
	02 RESTAURANTS	15,494	89,890	2.495	2.557	3	1.010
	03 STORES	6,574	24,261	0.410	0.421	2	0.982
	04 VENDING & RENTAL	181	3,599	0.000	0.000	0	1.006
	05 FOOD & BEV. DIST.	7	6,505	0.000	0.000	0	1.006
	06 NON-FOOD&BEV.DIST	11,907	24,313	0.639	0.655	2	0.987
	07 CLUBS, AMSMT&SPRTS	11,016	61,999	0.114	0.117	2	1.049
	08 HEALTH CARE FACIL	1,569	1,839	0.335	0.343	0	1.006
	09 HOTELS AND MOTELS	2,205	25,587	0.384	0.393	3	0.964
	10 SCHLS & CHURCHES	5,383	32,697	3.576	3.665	2	1.039
	11 APARTMENTS	14,319	71,086	0.597	0.612	3	1.001
	12 BUILDINGS&OFFICES	41,459	184,035	1.706	1.748	11	1.001
	13 MISC. PREMISES	829	3,874	0.000	0.000	0	1.021
	TOTAL *	\$147,299	\$800,293	1.550		59	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$23,785	\$102,444	0.282	0.289	10	1.073
	TOTAL *	\$23,785	\$102,444	0.282		10	
32 MULT APARTMENT	11 APARTMENTS	\$38,530	\$140,563	1.395	1.430	4	1.001
	12 BUILDINGS&OFFICES	2,048	9,395	0.131	0.135	1	1.001
	TOTAL *	\$40,578	\$149,958	1.331		5	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$156,822	\$790,627	0.649	0.665	49	0.940
	13 MISC. PREMISES	1,320	6,540	0.000	0.000	0	0.960
	TOTAL *	\$158,142	\$797,167	0.643		49	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$8,422	\$91,978	0.404	0.414	3	1.033
	02 RESTAURANTS	101,985	514,708	0.600	0.615	37	0.997
	03 STORES	60,651	278,314	0.238	0.244	4	0.970
	04 VENDING & RENTAL	0	4,094	0.000	0.000	0	0.993
	05 FOOD & BEV. DIST.	6,575	28,729	0.043	0.044	1	0.993
	06 NON-FOOD&BEV.DIST	6,459	38,620	0.087	0.089	0	0.974
	12 BUILDINGS&OFFICES	35,687	174,546	2.528	2.590	11	0.988
	TOTAL *	\$219,779	\$1,130,989	0.774		56	

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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY 504

		(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E. 06/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS	\$259	\$16,571	2.237	2.293	1	1.002
	08 HEALTH CARE FACIL	9,130	41,302	0.000	0.000	0	0.961
	10 SCHLS & CHURCHES	49,164	324,952	0.362	0.371	25	0.992
	12 BUILDINGS&OFFICES	626	3,158	1.244	1.274	2	0.955
	TOTAL *	\$59,179	\$385,983	0.323		28	
36 MULT SERVICES	03 STORES	\$6,164	\$28,947	0.193	0.198	2	0.927
	04 VENDING & RENTAL	8,853	34,055	0.171	0.175	3	0.950
	07 CLUBS,AMSMT&SPRTS	36,476	174,614	0.150	0.154	6	0.991
	08 HEALTH CARE FACIL	173	419	0.000	0.000	0	0.950
	09 HOTELS AND MOTELS	2,532	11,274	0.000	0.000	0	0.910
	10 SCHLS & CHURCHES	128	907	0.000	0.000	0	0.981
	12 BUILDINGS&OFFICES	15,058	73,302	1.653	1.694	11	0.945
	13 MISC. PREMISES	6,663	39,790	0.000	0.000	0	0.964
	TOTAL *	\$76,047	\$363,308	0.435		22	
TOTAL ALL TOP	01 FOOD&BEV. (RETAIL)	\$44,778	\$362,586	1.821		34	
	02 RESTAURANTS	117,479	604,598	0.850		40	
	03 STORES	73,389	331,522	0.250		8	
	04 VENDING & RENTAL	9,034	41,748	0.168		3	
	05 FOOD & BEV. DIST.	6,582	35,234	0.043		1	
	06 NON-FOOD&BEV.DIST	18,366	62,933	0.445		2	
	07 CLUBS,AMSMT&SPRTS	47,751	253,184	0.153		9	
	08 HEALTH CARE FACIL	10,872	43,560	0.048		0	
	09 HOTELS AND MOTELS	28,522	139,305	0.265		13	
	10 SCHLS & CHURCHES	54,675	358,556	0.677		27	
	11 APARTMENTS	52,849	211,649	1.179		7	
	12 BUILDINGS&OFFICES	251,700	1,235,063	1.146		85	
	13 MISC. PREMISES	8,812	50,204	0.000		0	
	TOTAL *	\$724,809	\$3,730,142	0.846		229	

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

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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY 505

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$398,097	\$2,491,342	1.058	1.084	198	1.049
	02 RESTAURANTS	281,810	1,845,807	1.006	1.031	106	1.012
	03 STORES	250,383	982,694	1.031	1.057	25	0.984
	04 VENDING & RENTAL	7,520	52,706	0.324	0.333	2	1.009
	05 FOOD & BEV. DIST.	5,957	65,261	2.046	2.096	2	1.008
	06 NON-FOOD&BEV.DIST	50,548	265,690	0.528	0.542	10	0.989
	07 CLUBS, AMSMT&SPRTS	304,109	1,258,904	1.596	1.635	59	1.052
	08 HEALTH CARE FACIL	10,360	46,944	5.983	6.132	3	1.008
	09 HOTELS AND MOTELS	140,015	876,728	1.527	1.565	102	0.966
	10 SCHLS & CHURCHES	260,530	933,476	0.952	0.976	47	1.042
	11 APARTMENTS	276,595	1,334,683	1.168	1.197	29	1.003
	12 BUILDINGS&OFFICES	387,991	2,558,340	0.837	0.857	123	1.003
	13 MISC. PREMISES	49,665	440,779	0.962	0.985	31	1.024
	TOTAL *	\$2,423,580	\$13,153,354	1.118		737	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$489,140	\$2,759,140	1.386	1.421	355	1.075
	TOTAL *	\$489,140	\$2,759,140	1.386		355	
32 MULT APARTMENT	11 APARTMENTS	\$408,784	\$1,542,646	1.028	1.053	60	1.003
	12 BUILDINGS&OFFICES	41,955	155,628	1.239	1.270	17	1.003
	TOTAL *	\$450,739	\$1,698,274	1.047		77	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$1,403,888	\$6,819,408	0.641	0.657	259	0.942
	13 MISC. PREMISES	8,829	42,642	0.000	0.000	0	0.962
	TOTAL *	\$1,412,717	\$6,862,050	0.637		259	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$491,513	\$2,834,784	1.495	1.533	151	1.036
	02 RESTAURANTS	1,015,410	5,670,556	0.815	0.836	312	0.999
	03 STORES	451,849	2,467,700	0.463	0.475	82	0.972
	04 VENDING & RENTAL	6,798	40,447	0.000	0.000	0	0.995
	05 FOOD & BEV. DIST.	79,182	360,275	1.260	1.291	15	0.995
	06 NON-FOOD&BEV.DIST	195,630	916,233	0.484	0.496	17	0.976
	12 BUILDINGS&OFFICES	354,985	1,914,786	0.855	0.876	80	0.990
	TOTAL *	\$2,595,367	\$14,204,781	0.875		657	

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TERRITORY 505

		(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E. 06/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS	\$58,148	\$208,429	1.591	1.630	16	1.004
	08 HEALTH CARE FACIL	86,453	448,392	0.644	0.660	9	0.963
	10 SCHLS & CHURCHES	752,962	3,475,182	1.319	1.352	317	0.994
	12 BUILDINGS&OFFICES	3,684	18,764	0.709	0.726	6	0.957
	13 MISC. PREMISES	480	2,146	0.000	0.000	0	0.977
	16 GOVT SUBDIVISIONS	21,865	885,326	0.770	0.789	9	0.964
	TOTAL *	\$923,592	\$5,038,239	1.257		357	
36 MULT SERVICES	03 STORES	\$75,651	\$305,735	0.500	0.512	7	0.929
	04 VENDING & RENTAL	23,110	155,921	1.393	1.428	6	0.952
	07 CLUBS,AMSMT&SPRTS	475,381	2,202,262	0.658	0.674	104	0.993
	08 HEALTH CARE FACIL	484	2,002	0.000	0.000	0	0.952
	09 HOTELS AND MOTELS	11,420	63,961	0.277	0.283	0	0.912
	10 SCHLS & CHURCHES	6,186	18,146	0.000	0.000	0	0.983
	12 BUILDINGS&OFFICES	91,101	479,253	0.418	0.429	30	0.947
	13 MISC. PREMISES	84,319	359,547	1.658	1.699	16	0.966
	TOTAL *	\$767,652	\$3,586,827	0.734		163	
TOTAL ALL TOP	01 FOOD&BEV. (RETAIL)	\$889,610	\$5,326,126	1.300		349	
	02 RESTAURANTS	1,297,220	7,516,363	0.857		418	
	03 STORES	777,883	3,756,129	0.649		114	
	04 VENDING & RENTAL	37,428	249,074	0.925		8	
	05 FOOD & BEV. DIST.	85,139	425,536	1.315		17	
	06 NON-FOOD&BEV.DIST	246,178	1,181,923	0.493		27	
	07 CLUBS,AMSMT&SPRTS	837,638	3,669,595	1.063		179	
	08 HEALTH CARE FACIL	97,297	497,338	1.209		12	
	09 HOTELS AND MOTELS	640,575	3,699,829	1.397		457	
	10 SCHLS & CHURCHES	1,019,678	4,426,804	1.217		364	
	11 APARTMENTS	685,379	2,877,329	1.084		89	
	12 BUILDINGS&OFFICES	2,283,604	11,946,179	0.710		515	
	13 MISC. PREMISES	143,293	845,114	1.309		47	
	16 GOVT SUBDIVISIONS	21,865	885,326	0.770		9	
	TOTAL *	\$9,062,787	\$47,302,665	0.966		2,605	

* 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	ALL	(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E. 06/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO		NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP				RELATIV.		
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$503,853	\$3,284,995	1.171		283	
	02 RESTAURANTS	608,905	3,808,505	1.019		234	
	03 STORES	341,072	1,532,848	0.884		38	
	04 VENDING & RENTAL	14,282	144,502	0.171		2	
	05 FOOD & BEV. DIST.	28,867	211,328	0.443		2	
	06 NON-FOOD&BEV.DIST	92,698	488,942	0.375		15	
	07 CLUBS, AMSMT&SPRTS	432,484	1,868,377	2.003		111	
	08 HEALTH CARE FACIL	31,315	150,475	2.187		8	
	09 HOTELS AND MOTELS	542,947	4,034,573	0.868		302	
	10 SCHLS & CHURCHES	418,649	1,942,427	1.187		76	
	11 APARTMENTS	653,283	3,982,463	1.049		85	
	12 BUILDINGS&OFFICES	1,293,865	7,627,927	0.903		270	
	13 MISC. PREMISES	189,680	1,658,261	0.698		76	
	TOTAL *	\$5,151,900	\$30,735,623	1.058		1,502	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$1,198,293	\$5,545,780	1.564		576	
	TOTAL *	\$1,198,293	\$5,545,780	1.564		576	
32 MULT APARTMENT	11 APARTMENTS	\$804,304	\$3,333,733	0.984		170	
	12 BUILDINGS&OFFICES	132,569	516,316	1.391		32	
	TOTAL *	\$936,873	\$3,850,049	1.041		202	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$3,111,664	\$15,717,546	0.721		540	
	13 MISC. PREMISES	21,580	102,324	0.030		1	
	TOTAL *	\$3,133,244	\$15,819,870	0.717		541	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$635,119	\$4,398,552	1.274		235	
	02 RESTAURANTS	2,064,292	10,994,051	0.981		668	
	03 STORES	875,007	4,353,323	0.752		184	
	04 VENDING & RENTAL	10,472	59,524	0.368		1	
	05 FOOD & BEV. DIST.	175,230	808,543	1.013		42	
	06 NON-FOOD&BEV.DIST	375,253	1,943,325	0.771		50	
	12 BUILDINGS&OFFICES	740,705	4,010,963	0.871		151	
	TOTAL *	\$4,876,078	\$26,568,281	0.945		1,331	

TENNESSEE
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	ALL	(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E. 06/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS	\$71,520	\$282,906	1.344		19	
	08 HEALTH CARE FACIL	137,165	747,198	0.504		17	
	10 SCHLS & CHURCHES	1,540,434	7,637,724	0.979		492	
	12 BUILDINGS&OFFICES	15,665	79,078	0.458		12	
	13 MISC. PREMISES	508	2,286	0.000		0	
	16 GOVT SUBDIVISIONS	21,872	885,335	0.769		9	
	TOTAL *	\$1,787,164	\$9,634,527	0.949		549	
36 MULT SERVICES	03 STORES	\$107,542	\$455,441	0.448		15	
	04 VENDING & RENTAL	84,723	542,361	0.875		20	
	07 CLUBS,AMSMT&SPRTS	825,238	3,789,514	0.633		166	
	08 HEALTH CARE FACIL	5,993	38,945	0.000		0	
	09 HOTELS AND MOTELS	16,277	133,555	0.194		0	
	10 SCHLS & CHURCHES	8,781	33,551	0.482		5	
	12 BUILDINGS&OFFICES	250,421	1,430,693	1.387		103	
	13 MISC. PREMISES	218,733	1,053,687	1.372		58	
	TOTAL *	\$1,517,708	\$7,477,747	0.856		367	
TOTAL ALL	TOP						
	01 FOOD&BEV. (RETAIL)	\$1,138,972	\$7,683,547	1.229		518	
	02 RESTAURANTS	2,673,197	14,802,556	0.990		902	
	03 STORES	1,323,621	6,341,612	0.762		237	
	04 VENDING & RENTAL	109,477	746,387	0.734		23	
	05 FOOD & BEV. DIST.	204,097	1,019,871	0.932		44	
	06 NON-FOOD&BEV.DIST	467,951	2,432,267	0.692		65	
	07 CLUBS,AMSMT&SPRTS	1,329,242	5,940,797	1.117		296	
	08 HEALTH CARE FACIL	174,473	936,618	0.789		25	
	09 HOTELS AND MOTELS	1,757,517	9,713,908	1.336		878	
	10 SCHLS & CHURCHES	1,967,864	9,613,702	1.021		573	
	11 APARTMENTS	1,457,587	7,316,196	1.013		255	
	12 BUILDINGS&OFFICES	5,544,889	29,382,523	0.829		1,108	
	13 MISC. PREMISES	430,501	2,816,558	1.006		135	
	16 GOVT SUBDIVISIONS	21,872	885,335	0.769		9	
	TOTAL *	\$18,601,260	\$99,631,877	0.976		5,068	

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

TENNESSEE
PRODUCTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	MULTISTATE COVERAGE IND. OF 0.963 OR - 3.7%					
TOP										
10	0.928	0.343	0.975	0.975						
34	1.065	0.357	1.023	1.023						
36	1.147	0.179	1.025	1.025						
37	1.002	0.474	1.001	1.001						
CLASS GROUP					(5) INDICATED MULTISTATE MONOLINE CHANGE		(6) INDICATED STATEWIDE MONOLINE CHANGE#*		(7) SELECTED STATEWIDE MONOLINE CHANGE	
3	1.020	0.456	1.009	1.013	-	4.9%	-	3.2%	-	3.2%
4	0.934	0.390	0.974	0.977	-	8.3%	-	6.3%	-	6.3%
5	1.299	0.127	1.034	1.037	-	2.6%	+	0.3%	+	0.3%
6	1.020	0.312	1.006	1.010	-	5.2%	-	3.4%	-	3.4%
7	0.986	0.168	0.998	1.001	-	6.0%	-	2.8%	-	2.8%
			OVERALL MONOLINE	INDICATION	-	6.1%	-	4.1%	-	4.1%
			-----				-----		-----	

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 indicated monoline change by class group.

MULTISTATE
PRODUCTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

		(1)	(2)	(3)	(4)	(5)	(6)
		CALENDAR A.Y.E. 12/31/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	CALENDAR A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
10 MONOLINE	03 MAN, DLR, DSTFD/DRG	\$13,750,935	\$66,100,554	0.988	0.977	1,263	0.987
	04 DLR, DST-NOTFD/DRG	8,477,615	41,310,448	0.911	0.900	460	0.952
	05 MAN.NTFD/DRG (LOW)	1,472,878	6,420,923	1.025	1.013	73	1.011
	06 MAN.NTFD/DRG (MED)	9,010,398	41,539,850	0.977	0.966	500	0.984
	07 MAN.NTFD/DRG (HGH)	2,241,335	11,290,085	0.650	0.643	59	0.976
	TOTAL *	\$34,953,161	\$166,661,860	0.947		2,355	
34 MULT MERCANTILE	03 MAN, DLR, DSTFD/DRG	\$4,329,151	\$22,382,753	1.183	1.169	619	1.036
	04 DLR, DST-NOTFD/DRG	27,418,064	130,792,947	0.993	0.982	1,940	1.000
	06 MAN.NTFD/DRG (MED)	8,530	45,329	0.000	0.000	0	1.033
	TOTAL *	\$31,755,745	\$153,221,029	1.019		2,559	
36 MULT SERVICES	04 DLR, DST-NOTFD/DRG	\$3,121,637	\$14,216,143	1.102	1.090	644	1.002
	06 MAN.NTFD/DRG (MED)	48,702	226,631	0.000	0.000	0	1.035
	TOTAL *	\$3,170,339	\$14,442,774	1.085		644	
37 MULT INDUST/PROC.	03 MAN, DLR, DSTFD/DRG	\$12,807,039	\$61,610,215	0.973	0.962	2,291	1.014
	05 MAN.NTFD/DRG (LOW)	3,340,860	17,802,968	1.402	1.386	250	1.039
	06 MAN.NTFD/DRG (MED)	26,492,844	125,759,189	1.030	1.018	1,448	1.011
	07 MAN.NTFD/DRG (HGH)	6,306,324	31,298,086	1.098	1.085	508	1.002
	TOTAL *	\$48,947,067	\$236,470,458	1.049		4,497	
TOTAL ALL TOP	03 MAN, DLR, DSTFD/DRG	\$30,887,125	\$150,093,522	1.009		4,173	
	04 DLR, DST-NOTFD/DRG	39,017,316	186,319,538	0.984		3,044	
	05 MAN.NTFD/DRG (LOW)	4,813,738	24,223,891	1.287		323	
	06 MAN.NTFD/DRG (MED)	35,560,474	167,570,999	1.015		1,948	
	07 MAN.NTFD/DRG (HGH)	8,547,659	42,588,171	0.980		567	
	TOTAL *	\$118,826,312	\$570,796,121	1.012		10,055	

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

TENNESSEE
LOCAL PRODUCTS/COMPLETED OPERATIONS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	MULTISTATE COVERAGE IND. OF 1.082 OR + 8.2%			
TOP								
10	1.013	0.781	1.010	1.009				
34	1.059	0.502	1.029	1.028				
36	0.919	0.535	0.956	0.955				
37	1.063	0.143	1.009	1.008				
38	0.996	0.991	0.996	0.995				
					(5) INDICATED MULTISTATE MONOLINE CHANGE	(6) INDICATED STATEWIDE MONOLINE CHANGE#*	(7) SELECTED STATEWIDE MONOLINE CHANGE	
CLASS GROUP								
1	0.808	0.501	0.899	0.894	- 3.4%	- 4.6%	- 4.4%	
2	0.989	0.512	0.994	0.989	+ 7.7%	+ 9.3%	+ 7.9%	
11	1.091	0.353	1.031	1.026	+ 12.1%	+ 10.9%	+ 11.3%	
12	1.018	1.000	1.018	1.012	+ 10.3%	+ 9.5%	+ 9.6%	
13	0.822	0.264	0.950	0.945	+ 2.7%	- 0.3%	- 0.3%	
			OVERALL MONOLINE INDICATION		+ 9.3%	+ 8.4%	+ 8.4%	

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 indicated 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 CHG.	(6) SELECTED MONOLINE CHG.
	1.280	0.407	1.106	1.105		
	1.227	0.480	1.103	1.103		
	1.218	0.458	1.094	1.094		
	1.437	0.240	1.091	1.091		
	1.303	0.278	1.076	1.076		
	1.118	0.581	1.067	1.067		
	1.360	0.161	1.051	1.050		
	1.190	0.265	1.047	1.047		
	1.208	0.202	1.039	1.039		
	1.077	0.482	1.036	1.036		
	1.362	0.116	1.036	1.036		
	1.171	0.145	1.023	1.023		
	1.102	0.196	1.019	1.019		
	1.048	0.380	1.018	1.018		
	1.052	0.299	1.015	1.015		
	1.047	0.330	1.015	1.015		
	1.077	0.174	1.013	1.013		
	1.035	0.362	1.012	1.012		
	1.048	0.250	1.012	1.011		
	1.031	0.324	1.010	1.009		
	1.049	0.135	1.006	1.006		
	1.010	0.415	1.004	1.004		
	1.020	0.177	1.004	1.003		
	1.007	0.567	1.004	1.003		
	1.020	0.155	1.003	1.003		
	1.025	0.098	1.002	1.002		
	0.992	0.454	0.997	0.996		
	0.990	0.469	0.995	0.995		
Tennessee	0.975	0.380	0.990	0.990	8.4%	8.4%
	0.935	0.230	0.985	0.984		
	0.888	0.133	0.984	0.984		
	0.926	0.238	0.982	0.982		
	0.971	0.595	0.983	0.982		
	0.895	0.190	0.979	0.979		
	0.684	0.055	0.979	0.979		
	0.931	0.383	0.973	0.972		
	0.812	0.165	0.966	0.966		
	0.867	0.237	0.967	0.966		
	0.734	0.160	0.952	0.951		
	0.859	0.336	0.950	0.950		
	0.896	0.470	0.950	0.949		
	0.876	0.406	0.948	0.947		
	0.918	0.645	0.946	0.946		
	0.887	0.489	0.943	0.943		
	0.776	0.230	0.943	0.943		
	0.822	0.300	0.943	0.943		
	0.796	0.267	0.941	0.941		
	0.088	0.035	0.919	0.918		
	0.800	0.387	0.917	0.917		
	0.644	0.196	0.917	0.917		
	0.757	0.314	0.916	0.916		
	0.619	0.293	0.869	0.869		

* 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)	(2)	(3)	(4)	(5)	(6)
		CALENDAR A.Y.E. 12/31/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	CALENDAR A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
10 MONOLINE	01 RET.STRS-FOOD/DRG	\$37,457	\$179,623	1.249	1.149	15	0.893
	02 RET.STRS-NTFD/DRG	54,669	195,897	0.488	0.449	5	0.988
	11 COMP. OPS. (LOW)	184,965	704,443	0.988	0.910	10	1.025
	12 COMP. OPS. (MED)	2,171,555	9,838,960	1.211	1.115	200	1.011
	13 COMP. OPS. (HGH)	193,259	782,056	0.131	0.120	6	0.944
	TOTAL *	\$2,641,905	\$11,700,979	1.102		236	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	\$175,146	\$811,603	1.691	1.556	123	0.910
	02 RET.STRS-NTFD/DRG	116,234	564,663	1.141	1.050	20	1.007
	12 COMP. OPS. (MED)	51,146	227,184	2.038	1.876	2	1.030
	TOTAL *	\$342,526	\$1,603,450	1.556		145	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	\$25,030	\$186,009	0.347	0.320	14	0.845
	02 RET.STRS-NTFD/DRG	217,771	973,912	0.764	0.703	45	0.935
	11 COMP. OPS. (LOW)	21,796	132,583	1.126	1.036	6	0.970
	12 COMP. OPS. (MED)	64,202	389,223	1.647	1.516	31	0.957
	13 COMP. OPS. (HGH)	9,226	49,340	0.545	0.502	1	0.893
	TOTAL *	\$338,025	\$1,731,067	0.918		97	
37 MULT INDUST/PROC.	11 COMP. OPS. (LOW)	\$281	\$1,248	0.000	0.000	0	1.023
	12 COMP. OPS. (MED)	46,465	269,364	0.896	0.825	5	1.010
	13 COMP. OPS. (HGH)	0	1	0.000	0.000	0	0.942
	TOTAL *	\$46,746	\$270,613	0.890		5	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$173,365	\$1,034,558	0.836	0.769	19	1.011
	12 COMP. OPS. (MED)	3,093,538	15,470,845	1.020	0.939	281	0.997
	13 COMP. OPS. (HGH)	277,335	1,426,678	0.853	0.785	12	0.931
	TOTAL *	\$3,544,238	\$17,932,081	0.998		312	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	\$237,633	\$1,177,235	1.480		152	
	02 RET.STRS-NTFD/DRG	388,674	1,734,472	0.838		70	
	11 COMP. OPS. (LOW)	380,407	1,872,832	0.926		35	
	12 COMP. OPS. (MED)	5,426,906	26,195,576	1.112		519	
	13 COMP. OPS. (HGH)	479,820	2,258,075	0.556		19	
	TOTAL *	\$6,913,440	\$33,238,190	1.061		795	

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

MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1)	(2)	(3)	(4)	(5)	(6)
		CALENDAR A.Y.E. 12/31/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	CALENDAR A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
10 MONOLINE	01 RET.STRS-FOOD/DRG	\$2,438,315	\$11,481,124	0.912		601	
	02 RET.STRS-NTFD/DRG	2,987,973	14,421,548	1.083		495	
	11 COMP. OPS. (LOW)	5,121,852	24,832,256	1.466		645	
	12 COMP. OPS. (MED)	99,545,324	453,611,463	1.119		7,145	
	13 COMP. OPS. (HGH)	7,985,186	36,362,548	0.800		270	
	TOTAL *	\$118,078,650	\$540,708,939	1.107		9,156	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	\$8,420,906	\$39,991,609	0.851		2,982	
	02 RET.STRS-NTFD/DRG	5,561,155	26,343,265	1.248		672	
	12 COMP. OPS. (MED)	2,449,900	11,651,099	1.126		132	
	TOTAL *	\$16,431,961	\$77,985,973	1.026		3,786	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	\$850,649	\$4,343,160	1.305		191	
	02 RET.STRS-NTFD/DRG	14,223,267	58,971,026	0.948		2,767	
	11 COMP. OPS. (LOW)	3,234,837	15,453,155	1.070		482	
	12 COMP. OPS. (MED)	4,907,590	24,453,606	1.095		800	
	13 COMP. OPS. (HGH)	1,071,672	5,500,146	0.778		63	
	TOTAL *	\$24,288,015	\$108,721,093	0.999		4,303	
37 MULT INDUST/PROC.	01 RET.STRS-FOOD/DRG	\$18,708	\$99,534	0.356		1	
	11 COMP. OPS. (LOW)	112,124	572,337	1.066		19	
	12 COMP. OPS. (MED)	3,755,205	19,337,637	1.171		289	
	13 COMP. OPS. (HGH)	42,569	250,290	0.000		0	
	TOTAL *	\$3,928,606	\$20,259,798	1.151		309	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$10,088,973	\$48,995,253	1.071		731	
	12 COMP. OPS. (MED)	164,618,861	819,998,075	1.102		13,301	
	13 COMP. OPS. (HGH)	14,387,568	69,459,681	0.947		720	
	TOTAL *	\$189,095,402	\$938,453,009	1.089		14,752	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	\$11,728,578	\$55,915,427	0.896		3,775	
	02 RET.STRS-NTFD/DRG	22,772,395	99,735,839	1.039		3,934	
	11 COMP. OPS. (LOW)	18,557,786	89,853,001	1.180		1,877	
	12 COMP. OPS. (MED)	275,276,880	1,329,051,880	1.109		21,667	
	13 COMP. OPS. (HGH)	23,486,995	111,572,665	0.887		1,053	
	TOTAL *	\$351,822,634	\$1,686,128,812	1.086		32,306	

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

SECTION E
SUPPORTING MATERIAL -- PREMISES/OPERATIONS
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TENNESSEE
MANUFACTURERS AND CONTRACTORS
CALCULATION OF AGGREGATE LOSS COSTS
AT CURRENT LEVEL
COMBINED SINGLE LIMIT

TYPE OF POLICY	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL	X	EXPOSURE DEVELOPMENT FACTOR+@	X	EXPOSURE TREND#	X	AVERAGE IPMF*	=	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL
MONOLINE	06/30/2017	\$5,682,831		1.000		1.160				\$6,592,084
	06/30/2018	6,295,301		1.000		1.127				7,094,804
	06/30/2019	6,501,846		1.000		1.093				7,106,518
	06/30/2020	6,920,735		0.999		1.076				7,439,264
MULTILINE	06/30/2017	\$11,305,862		1.000		1.155		0.892		\$11,647,977
	06/30/2018	11,751,511		1.000		1.121		0.894		11,777,059
	06/30/2019	11,962,826		1.000		1.093		0.891		11,650,154
	06/30/2020	11,979,859		0.999		1.077		0.890		11,471,571
TOTAL	06/30/2017									\$18,240,061
	06/30/2018									18,871,863
	06/30/2019									18,756,672
	06/30/2020									18,910,835

+ THE DERIVATION OF THE EXPOSURE DEVELOPMENT FACTOR IS SHOWN IN SECTION E - CALCULATION OF STATE EXPOSURE DEVELOPMENT FACTORS.

@ THE EXPOSURE DEVELOPMENT FACTOR FOR THE LATEST YEAR HAS BEEN ADJUSTED BY APPLYING A FACTOR OF 0.970 TO REFLECT THE REDUCED EXPECTED EXPOSURE FOR M&C DUE TO THE COVID-19 PANDEMIC AND THE ECONOMIC RECESSION IN 2020. THE DERIVATION OF THE ADJUSTMENT IS EXPLAINED IN SECTION H.

AGGREGATE LOSS COSTS AT CURRENT LEVEL HAVE BEEN TRENDED FROM AN AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 06/01/2022 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION E - AVERAGE ANNUAL EXPOSURE TRENDS.

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

TENNESSEE
MANUFACTURERS AND CONTRACTORS
OCCURRENCE
FULL COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000
			BASIC LIMIT LOSSES AND ALAE*										BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	06/30/2017	\$2,242,882		0.979		1.080		1.326		1.000		\$3,144,535
		06/30/2018	2,234,099		0.976		1.080		1.269		1.000		2,988,392
		06/30/2019	1,910,004		1.112		1.080		1.215		1.000		2,787,014
		06/30/2020	1,495,276		1.737		1.080		1.162		1.000		3,259,501
BI	ALAE	06/30/2017	\$1,677,067				1.080		1.326		1.000		\$2,401,694
		06/30/2018	1,782,313				1.080		1.269		1.000		2,442,696
		06/30/2019	1,620,185				1.080		1.215		1.000		2,126,007
		06/30/2020	2,189,066				1.080		1.162		1.000		2,747,190
PD	B/L INDEMNITY	06/30/2017	\$4,085,090		1.020		1.080		1.326		1.000		\$5,967,179
		06/30/2018	3,706,318		1.047		1.080		1.269		1.000		5,318,323
		06/30/2019	4,099,991		1.090		1.080		1.215		1.000		5,864,209
		06/30/2020	4,478,888		1.218		1.080		1.162		1.000		6,846,165
PD	ALAE	06/30/2017	\$1,717,274				1.080		1.326		1.000		\$2,459,274
		06/30/2018	1,683,126				1.080		1.269		1.000		2,306,758
		06/30/2019	2,244,834				1.080		1.215		1.000		2,945,671
		06/30/2020	2,969,503				1.080		1.162		1.000		3,726,608
MED PAY#	B/L INDEMNITY	06/30/2017	\$79,026				1.080		1.326		1.000		\$113,172
		06/30/2018	74,406				1.080		1.269		1.000		101,975
		06/30/2019	48,186				1.080		1.215		1.000		63,230
		06/30/2020	68,481				1.080		1.162		1.000		85,941
FRINGE	B/L INDEMNITY	06/30/2017	\$330,618		1.042		1.080		1.000		1.000		\$372,064
		06/30/2018	220,717		1.093		1.080		1.000		1.000		260,543
		06/30/2019	91,816		1.244		1.080		1.000		1.000		123,357
		06/30/2020	95,765		1.568		1.080		1.000		1.000		162,172
FRINGE	ALAE	06/30/2017	\$159,943				1.080		1.000		1.000		\$172,738
		06/30/2018	312,104				1.080		1.000		1.000		337,072
		06/30/2019	63,292				1.080		1.000		1.000		68,355
		06/30/2020	111,710				1.080		1.000		1.000		120,647
TOTAL FULL COVERAGE		06/30/2017											\$14,630,656
		06/30/2018											13,755,760
		06/30/2019											13,977,842
		06/30/2020											16,948,224

* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Section B.
No development is applied for Medical Payments losses. See Section B.

TENNESSEE
MANUFACTURERS AND CONTRACTORS
OCCURRENCE
DED COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	06/30/2017	\$616,172		1.024		1.080		1.326		1.000		\$903,585
		06/30/2018	233,252		1.162		1.080		1.269		1.000		371,464
		06/30/2019	147,819		1.592		1.080		1.215		1.000		308,797
		06/30/2020	11,002		2.662		1.080		1.162		1.000		36,754
BI	ALAE	06/30/2017	\$704,757				1.080		1.326		1.000		\$1,009,268
		06/30/2018	99,797				1.080		1.269		1.000		136,774
		06/30/2019	75,333				1.080		1.215		1.000		98,852
		06/30/2020	11,310				1.080		1.162		1.000		14,194
PD	B/L INDEMNITY	06/30/2017	\$1,445,636		1.031		1.080		1.326		1.000		\$2,134,445
		06/30/2018	993,740		1.044		1.080		1.269		1.000		1,421,866
		06/30/2019	921,887		1.099		1.080		1.215		1.000		1,329,460
		06/30/2020	388,002		1.226		1.080		1.162		1.000		596,972
PD	ALAE	06/30/2017	\$381,906				1.080		1.326		1.000		\$546,920
		06/30/2018	686,095				1.080		1.269		1.000		940,307
		06/30/2019	384,664				1.080		1.215		1.000		504,756
		06/30/2020	353,132				1.080		1.162		1.000		443,167
MED PAY#	B/L INDEMNITY	06/30/2017	\$350				1.080		1.326		1.000		\$501
		06/30/2018	302				1.080		1.269		1.000		414
		06/30/2019	7,869				1.080		1.215		1.000		10,326
		06/30/2020	0				1.080		1.162		1.000		0
	TOTAL DED COVERAGE	06/30/2017											\$4,594,720
		06/30/2018											2,870,825
		06/30/2019											2,252,191
		06/30/2020											1,091,087
	TOTAL	06/30/2017											\$19,225,376
		06/30/2018											16,626,584
		06/30/2019											16,230,034
		06/30/2020											18,039,311

* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Section B.
No development is applied for Medical Payments losses. See Section B.

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

TYPE OF POLICY	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL	X	EXPOSURE DEVELOPMENT FACTOR+	X	EXPOSURE TREND#	X	AVERAGE IPMF*	=	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL
-----	-----	-----		-----		-----		-----		-----
MONOLINE	06/30/2017	\$7,004,960		1.000		1.036				\$7,257,139
	06/30/2018	6,227,494		1.000		1.032				6,426,774
	06/30/2019	5,652,099		1.000		1.025				5,793,401
	06/30/2020	5,057,352		1.000		1.019				5,153,442
MULTILINE	06/30/2017	\$14,161,754		1.000		1.039		0.949		\$13,963,645
	06/30/2018	14,084,198		1.000		1.032		0.949		13,793,613
	06/30/2019	14,431,297		1.000		1.025		0.949		14,037,683
	06/30/2020	13,868,216		1.000		1.019		0.952		13,453,390
TOTAL	06/30/2017									\$21,220,784
	06/30/2018									20,220,387
	06/30/2019									19,831,084
	06/30/2020									18,606,832

+ THE DERIVATION OF THE EXPOSURE DEVELOPMENT FACTOR IS SHOWN IN SECTION E - 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 06/01/2022 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION E - AVERAGE ANNUAL EXPOSURE TRENDS.

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

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

			\$100,000 BASIC LIMIT LOSSES AND ALAE*	B/L INDEMNITY DEVELOPMENT FACTOR	UNALLOCATED LOSS ADJ FACTOR	SEVERITY TREND	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING		X	X	X	X		
BI	B/L INDEMNITY	06/30/2017	\$7,388,576	0.974	1.080	1.326	0.968		\$9,976,135
		06/30/2018	8,246,829	0.942	1.080	1.269	0.973		10,359,436
		06/30/2019	7,932,714	0.961	1.080	1.215	0.978		9,783,271
		06/30/2020	5,035,928	1.249	1.080	1.162	0.983		7,759,350
BI	ALAE	06/30/2017	\$3,767,103		1.080	1.326	0.968		\$5,222,160
		06/30/2018	2,734,137		1.080	1.269	0.973		3,646,015
		06/30/2019	3,412,353		1.080	1.215	0.978		4,379,180
		06/30/2020	2,808,325		1.080	1.162	0.983		3,464,422
PD	B/L INDEMNITY	06/30/2017	\$851,434	1.039	1.080	1.410	0.968		\$1,304,022
		06/30/2018	826,615	1.048	1.080	1.336	0.973		1,216,207
		06/30/2019	938,469	1.062	1.080	1.267	0.978		1,333,778
		06/30/2020	822,975	1.201	1.080	1.201	0.983		1,260,230
PD	ALAE	06/30/2017	\$219,704		1.080	1.410	0.968		\$323,859
		06/30/2018	358,926		1.080	1.336	0.973		503,904
		06/30/2019	270,683		1.080	1.267	0.978		362,243
		06/30/2020	276,889		1.080	1.201	0.983		353,042
MED PAY#	B/L INDEMNITY	06/30/2017	\$1,109,021		1.080	1.326	0.968		\$1,537,384
		06/30/2018	1,028,993		1.080	1.269	0.973		1,372,179
		06/30/2019	1,077,504		1.080	1.215	0.978		1,382,795
		06/30/2020	837,303		1.080	1.162	0.983		1,032,919
FRINGE	B/L INDEMNITY	06/30/2017	\$338,087	1.034	1.080	1.000	0.968		\$365,467
		06/30/2018	130,730	1.050	1.080	1.000	0.973		144,245
		06/30/2019	326,538	1.272	1.080	1.000	0.978		438,716
		06/30/2020	302,132	1.644	1.080	1.000	0.983		527,322
FRINGE	ALAE	06/30/2017	\$419,440		1.080	1.000	0.968		\$438,499
		06/30/2018	399,011		1.080	1.000	0.973		419,297
		06/30/2019	847,672		1.080	1.000	0.978		895,345
		06/30/2020	683,221		1.080	1.000	0.983		725,335
TOTAL FULL COVERAGE		06/30/2017							\$19,167,526
		06/30/2018							17,661,283
		06/30/2019							18,575,329
		06/30/2020							15,122,619

* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Section B.
No development is applied for Medical Payments losses. See Section B.

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

			\$100,000 BASIC LIMIT LOSSES AND ALAE*	B/L INDEMNITY DEVELOPMENT X FACTOR	X	UNALLOCATED LOSS ADJ X FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING										
BI	B/L INDEMNITY	06/30/2017	\$526,009	0.999		1.080		1.326		0.968		\$728,453
		06/30/2018	692,820	1.048		1.080		1.269		0.973		968,233
		06/30/2019	408,677	1.273		1.080		1.215		0.978		667,648
		06/30/2020	259,682	1.811		1.080		1.162		0.983		580,155
BI	ALAE	06/30/2017	\$142,607			1.080		1.326		0.968		\$197,689
		06/30/2018	203,709			1.080		1.269		0.973		271,649
		06/30/2019	174,619			1.080		1.215		0.978		224,094
		06/30/2020	110,027			1.080		1.162		0.983		135,732
PD	B/L INDEMNITY	06/30/2017	\$9,497	1.079		1.080		1.410		0.968		\$15,105
		06/30/2018	111,366	1.163		1.080		1.336		0.973		181,834
		06/30/2019	6,038	1.202		1.080		1.267		0.978		9,713
		06/30/2020	156,073	1.369		1.080		1.201		0.983		272,428
PD	ALAE	06/30/2017	\$3,430			1.080		1.410		0.968		\$5,056
		06/30/2018	30,835			1.080		1.336		0.973		43,290
		06/30/2019	9,918			1.080		1.267		0.978		13,273
		06/30/2020	71,064			1.080		1.201		0.983		90,609
MED PAY#	B/L INDEMNITY	06/30/2017	\$27,084			1.080		1.326		0.968		\$37,545
		06/30/2018	38,435			1.080		1.269		0.973		51,254
		06/30/2019	22,126			1.080		1.215		0.978		28,395
		06/30/2020	22,417			1.080		1.162		0.983		27,654
		TOTAL										
		DED COVERAGE	06/30/2017									\$983,849
			06/30/2018									1,516,260
			06/30/2019									943,122
			06/30/2020									1,106,577
		TOTAL	06/30/2017									\$20,151,375
			06/30/2018									19,177,543
			06/30/2019									19,518,451
			06/30/2020									16,229,197

* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Section B.
No development is applied for Medical Payments losses. See Section B.

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

Implicit Package Modification Factors (A) by Type of Policy

Type of Policy (B) -----	Description -----	Implicit Package Modification Factors -----
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 E - 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

Type of Policy (B) -----	Description -----	Implicit Package Modification Factors -----
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 E - 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 CONTRACTORS

FULL & DEDUCTIBLE COMBINED
TOTAL LIMITS PREMIUM

CALCULATION OF EXPOSURE DEVELOPMENT FACTORS

(1) Evaluation Period	(2) Multistate Ratio (a)	(3) State Ratio (b)	(4) <u>Credibility (c)</u>	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.019	1.033	0.7845	1.030	22,000,000
27 to 39 Months	1.000	1.000	0.5337	1.000	70,000,000
Accident Year Ending	Exposure Development From				
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		<u>Factor@</u>
6/30/2018			1.000		1.000
6/30/2019		1.000	1.000		1.000
6/30/2020	1.030	1.000	1.000		1.030

(a) See Section E - Multistate Premium Development.

(b) See Section E - 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 0.970 has been subsequently applied to the exposure development factor for the latest year to reflect the reduced expected exposure for M&C due to the COVID-19 pandemic and economic recession in 2020. The resulting exposure development factor is displayed on page E-2 and is reflected in the calculation of the ALCCL for the latest year. The derivation of this adjustment is explained in Section H

TENNESSEE

PREMISES/OPERATIONS
OWNERS LANDLORDS AND TENANTS

FULL & DEDUCTIBLE COMBINED
TOTAL LIMITS PREMIUM

CALCULATION OF EXPOSURE DEVELOPMENT FACTORS

(1) Evaluation Period	(2) Multistate Ratio (a)	(3) State Ratio (b)	(4) <u>Credibility (c)</u>	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.002	0.999	0.5956	1.000	69,000,000
27 to 39 Months	1.000	1.000	0.4059	1.000	150,000,000
Accident Year Ending	<u>27:15</u>	Exposure Development From		<u>39:27</u>	<u>ULT:39</u>
6/30/2018			1.000		Factor
6/30/2019		1.000	1.000		1.000
6/30/2020	1.000	1.000	1.000		1.000

(a) See Section E - Multistate Premium Development.

(b) See Section E - 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	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
6/30/2013	23,278,364	22,880,595	22,865,871	22,868,995	22,869,119	22,877,125	22,876,734	22,876,734
6/30/2014	24,531,591	25,189,229	25,173,425	25,181,142	25,245,535	25,243,304	25,243,304	
6/30/2015	24,528,480	25,259,889	25,258,056	25,272,739	25,271,614	25,271,614		
6/30/2016	24,557,332	25,479,258	25,490,824	25,494,949	25,496,262			
6/30/2017	25,826,145	26,861,058	26,996,746	26,996,793				
6/30/2018	26,984,238	27,783,705	27,764,988					
6/30/2019	27,292,689	28,153,420						
6/30/2020	29,961,686							

LINK RATIOS

Accident Year 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>
6/30/2013	0.983	0.999	1.000	1.000	1.000	1.000	1.000
6/30/2014	1.027	0.999	1.000	1.003	1.000	1.000	
6/30/2015	1.030	1.000	1.001	1.000	1.000		
6/30/2016	1.038	1.000	1.000	1.000			
6/30/2017	1.040	1.005	1.000				
6/30/2018	1.030	0.999					
6/30/2019	1.032						
6/30/2020							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.033	1.000

TENNESSEE
OWNERS LANDLORDS AND TENANTS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
6/30/2013	26,309,865	26,316,428	26,317,197	26,323,367	26,326,791	26,326,760	26,325,430	26,325,430
6/30/2014	29,107,272	29,112,235	29,147,416	29,180,120	29,172,825	29,171,650	29,171,650	
6/30/2015	31,331,660	31,516,893	31,498,201	31,501,964	31,522,764	31,522,764		
6/30/2016	33,649,202	33,311,097	33,335,228	33,337,678	33,337,719			
6/30/2017	34,673,766	35,274,218	35,186,987	35,186,551				
6/30/2018	33,962,054	33,888,262	33,878,630					
6/30/2019	32,989,070	32,800,449						
6/30/2020	32,225,296							

LINK RATIOS

Accident Year 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>
6/30/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2014	1.000	1.001	1.001	1.000	1.000	1.000	
6/30/2015	1.006	0.999	1.000	1.001	1.000		
6/30/2016	0.990	1.001	1.000	1.000			
6/30/2017	1.017	0.998	1.000				
6/30/2018	0.998	1.000					
6/30/2019	0.994						
6/30/2020							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
0.999	1.000

MULTISTATE
MANUFACTURERS AND CONTRACTORS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
6/30/2013	1,590,533,615	1,577,520,997	1,578,767,205	1,579,612,988	1,579,563,343	1,579,583,664	1,579,472,417	1,579,448,971
6/30/2014	1,643,691,847	1,692,607,333	1,695,065,797	1,695,363,278	1,695,541,202	1,695,312,946	1,695,305,940	
6/30/2015	1,731,751,417	1,774,576,471	1,774,763,237	1,774,951,635	1,774,454,775	1,774,452,830		
6/30/2016	1,732,712,034	1,771,145,340	1,767,102,924	1,767,692,472	1,767,893,617			
6/30/2017	1,780,321,021	1,814,992,902	1,816,618,761	1,816,535,561				
6/30/2018	1,842,172,938	1,870,836,872	1,868,841,059					
6/30/2019	1,919,199,210	1,947,280,265						
6/30/2020	1,983,596,484							

LINK RATIOS

Accident Year 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>
6/30/2013	0.992	1.001	1.001	1.000	1.000	1.000	1.000
6/30/2014	1.030	1.001	1.000	1.000	1.000	1.000	
6/30/2015	1.025	1.000	1.000	1.000	1.000		
6/30/2016	1.022	0.998	1.000	1.000			
6/30/2017	1.019	1.001	1.000				
6/30/2018	1.016	0.999					
6/30/2019	1.015						

Average Best 3 of 5
27:15 39:27
1.019 1.000

MULTISTATE
OWNERS LANDLORDS AND TENANTS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
6/30/2013	1,896,171,915	1,891,442,718	1,892,040,222	1,894,104,438	1,894,482,121	1,894,335,024	1,894,338,702	1,894,335,850
6/30/2014	2,034,489,590	2,062,064,208	2,061,721,056	2,062,682,125	2,062,385,461	2,062,275,196	2,062,272,236	
6/30/2015	2,203,847,305	2,209,844,351	2,209,872,814	2,208,919,113	2,209,139,747	2,209,109,683		
6/30/2016	2,309,398,385	2,313,226,703	2,312,337,640	2,313,052,940	2,313,128,545			
6/30/2017	2,310,452,668	2,324,637,016	2,324,397,140	2,324,239,838				
6/30/2018	2,338,070,201	2,341,531,649	2,339,917,608					
6/30/2019	2,378,300,026	2,383,536,958						
6/30/2020	2,357,061,822							

LINK RATIOS

Accident Year 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>
6/30/2013	0.998	1.000	1.001	1.000	1.000	1.000	1.000
6/30/2014	1.014	1.000	1.000	1.000	1.000	1.000	
6/30/2015	1.003	1.000	1.000	1.000	1.000		
6/30/2016	1.002	1.000	1.000	1.000			
6/30/2017	1.006	1.000	1.000				
6/30/2018	1.001	0.999					
6/30/2019	1.002						

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

LOSS DEVELOPMENT DATA TABLE OF CONTENTS

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TENNESSEE

Premises/Operations

Manufacturers & Contractors

Bodily Injury

Full Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.624	1.535	0.6995	1.562	1,500,000
27 to 39 Months	1.340	1.062	0.7244	1.139	1,800,000
39 to 51 Months	1.084	0.964	0.7214	0.997	2,100,000
51 to 63 Months	1.009	0.977	0.6852	0.987	2,500,000
63 to 75 Months	0.999	1.002	0.6697	1.001	2,900,000
75 to 87 Months	0.998	0.984	0.5750	0.990	3,500,000
87 to 99 Months	0.999	1.001	0.5773	1.000	4,000,000
99 to 111 Months	0.999	1.000	0.5478	1.000	4,800,000
111 to 123 Months	0.998	1.000	0.5025	0.999	5,700,000
123 to 135 Months	1.001	1.001	0.4354	1.001	6,700,000
135 to 147 Months	1.000	0.999	0.3802	1.000	7,900,000
147 to 159 Months	1.001	1.000	0.3001	1.001	9,300,000
159 to 171 Months	1.000	1.000	0.2083	1.000	11,100,000
171 to 183 Months	1.000	1.000	0.1749	1.000	13,100,000
183 to 195 Months	1.000	1.000	0.1757	1.000	15,500,000
195 to 207 Months	1.000	1.000	0.1628	1.000	18,300,000
207 to 219 Months	1.000	1.000	0.1535	1.000	21,600,000
219 to 231 Months	1.000	1.000	0.0931	1.000	25,600,000
231 to 243 Months	1.000	1.000	0.0507	1.000	30,200,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	Loss Development From					75:63	87:75	99:87	111:99	123:111	135:123	147:135
		39:27	51:39	63:51									
6/30/2018			0.997	0.987	1.001	0.990	1.000	1.000	0.999	1.001	1.000		
6/30/2019		1.139	0.997	0.987	1.001	0.990	1.000	1.000	0.999	1.001	1.000		
6/30/2020	1.562	1.139	0.997	0.987	1.001	0.990	1.000	1.000	0.999	1.001	1.000		
		159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243			Factor
6/30/2018	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			0.976
6/30/2019	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			1.112
6/30/2020	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			1.737

(A) See Section E - Multistate Loss Development.

(B) See Section E - 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) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K _i)
15 to 27 Months	0.0664	0.1006	0.6995	0.0903	1,500,000
27 to 39 Months	0.0988	0.0843	0.7244	0.0883	1,800,000
39 to 51 Months	0.0835	0.1133	0.7214	0.1050	2,100,000
51 to 63 Months	0.0464	0.0831	0.6852	0.0716	2,500,000
63 to 75 Months	0.0246	0.0057	0.6697	0.0119	2,900,000
75 to 87 Months	0.0099	0.0326	0.5750	0.0229	3,500,000
87 to 99 Months	0.0051	0.0009	0.5773	0.0026	4,000,000
99 to 111 Months	0.0034	0.0028	0.5478	0.0030	4,800,000
111 to 123 Months	0.0019	0.0015	0.5025	0.0017	5,700,000
123 to 135 Months	0.0015	0.0000	0.4354	0.0008	6,700,000
135 to 147 Months	0.0004	0.0002	0.3802	0.0003	7,900,000
147 to 159 Months	0.0014	0.0000	0.3001	0.0010	9,300,000
159 to 171 Months	0.0006	0.0000	0.2083	0.0004	11,100,000
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>
	0.400	0.310	0.221	0.116	0.045	0.033	0.010
<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>
	0.007	0.004	0.003	0.002	0.001	0.000	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2018	856,727	4,188,164	0.221	925,586	1,782,313
6/30/2019	561,845	3,413,999	0.310	1,058,340	1,620,185
6/30/2020	256,970	4,830,243	0.400	1,932,096	2,189,066

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2018	45,155	247,246	0.221	54,642	99,797
6/30/2019	13,837	198,373	0.310	61,496	75,333
6/30/2020	700	26,526	0.400	10,610	11,310

(A) See Section E - Multistate Loss Development.

(B) See Section E - Statewide Loss Development.

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

(D) {(3) x (4)} + {(2) x {1.000-(4)}}

TENNESSEE

Premises/Operations

Manufacturers & Contractors

Property Damage

Full Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.129	1.115	0.7811	1.118	2,400,000
27 to 39 Months	1.050	1.039	0.7745	1.041	2,500,000
39 to 51 Months	1.021	1.027	0.7574	1.026	2,600,000
51 to 63 Months	1.010	1.004	0.7411	1.006	2,800,000
63 to 75 Months	1.008	0.998	0.7249	1.001	3,000,000
75 to 87 Months	1.007	0.998	0.7170	1.001	3,100,000
87 to 99 Months	1.005	1.002	0.6995	1.003	3,300,000
99 to 111 Months	1.005	0.997	0.6846	1.000	3,500,000
111 to 123 Months	1.002	1.000	0.6764	1.001	3,700,000
123 to 135 Months	1.002	1.000	0.6417	1.001	4,000,000
135 to 147 Months	1.002	1.000	0.6404	1.001	4,100,000
147 to 159 Months	1.001	1.000	0.5973	1.000	4,400,000
159 to 171 Months	1.001	1.000	0.5665	1.000	4,700,000
171 to 183 Months	1.001	1.000	0.5723	1.000	4,900,000
183 to 195 Months	1.001	1.000	0.5875	1.000	5,200,000
195 to 207 Months	1.001	1.000	0.6057	1.000	5,500,000
207 to 219 Months	1.001	1.000	0.5947	1.000	5,900,000
219 to 231 Months	1.001	1.000	0.4858	1.001	6,300,000
231 to 243 Months	1.001	1.000	0.3091	1.001	6,600,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	Loss Development From					75:63	87:75	99:87	111:99	123:111	135:123	147:135
		39:27	51:39	63:51									
6/30/2018			1.026	1.006	1.001	1.001	1.001	1.003	1.000	1.001	1.001	1.001	1.001
6/30/2019		1.041	1.026	1.006	1.001	1.001	1.001	1.003	1.000	1.001	1.001	1.001	1.001
6/30/2020	1.118	1.041	1.026	1.006	1.001	1.001	1.001	1.003	1.000	1.001	1.001	1.001	1.001
		159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243			Factor
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.001	1.004			1.047
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.001	1.004			1.090
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.001	1.004			1.218

(A) See Section E - Multistate Loss Development.

(B) See Section E - 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) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K _i)
15 to 27 Months	0.0404	0.0260	0.7811	0.0292	2,400,000
27 to 39 Months	0.0439	0.0454	0.7745	0.0450	2,500,000
39 to 51 Months	0.0405	0.1017	0.7574	0.0869	2,600,000
51 to 63 Months	0.0375	0.1068	0.7411	0.0888	2,800,000
63 to 75 Months	0.0199	0.0301	0.7249	0.0273	3,000,000
75 to 87 Months	0.0121	0.0090	0.7170	0.0099	3,100,000
87 to 99 Months	0.0091	0.0026	0.6995	0.0045	3,300,000
99 to 111 Months	0.0096	0.0018	0.6846	0.0043	3,500,000
111 to 123 Months	0.0049	0.0001	0.6764	0.0016	3,700,000
123 to 135 Months	0.0059	0.0000	0.6417	0.0021	4,000,000
135 to 147 Months	0.0039	0.0003	0.6404	0.0016	4,100,000
147 to 159 Months	0.0039	0.0008	0.5973	0.0021	4,400,000
159 to 171 Months	0.0027	0.0000	0.5665	0.0012	4,700,000
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>
	0.305	0.275	0.230	0.143	0.055	0.027	0.017
<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>
	0.013	0.009	0.007	0.005	0.003	0.001	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2018	581,585	4,789,314	0.230	1,101,541	1,683,126
6/30/2019	592,938	6,006,866	0.275	1,651,896	2,244,834
6/30/2020	607,251	7,745,087	0.305	2,362,252	2,969,503

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2018	322,501	1,580,839	0.230	363,594	686,095
6/30/2019	27,286	1,299,554	0.275	357,378	384,664
6/30/2020	34,681	1,044,103	0.305	318,451	353,132

(A) See Section E - Multistate Loss Development.

(B) See Section E - Statewide Loss Development.

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

(D) {(3) x (4)} + {(2) x {1.000-(4)}}

TENNESSEE

Premises/Operations

Manufacturers & Contractors

Fringe

Full Coverage

ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.1178
27 to 39 Months	0.1187
39 to 51 Months	0.1366
51 to 63 Months	0.0557
63 to 75 Months	0.0230
75 to 87 Months	0.0483
87 to 99 Months	0.0024
99 to 111 Months	0.0119
111 to 123 Months	0.0017
123 to 135 Months	-0.0004
135 to 147 Months	0.0005
147 to 159 Months	0.0010
159 to 171 Months	0.0001
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>
	0.517	0.399	0.281	0.144	0.088	0.065	0.017
<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>
	0.015	0.003	0.001	0.002	0.001	0.000	0.000

A.Y.E.	Reported ALAE as of 9/30/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2018	83,435	813,760	0.281	228,669	312,104
6/30/2019	5,410	145,070	0.399	57,882	63,292
6/30/2020	5,807	204,843	0.517	105,903	111,710

(A) See Section E - Multistate Loss Development.

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

TENNESSEE

Premises/Operations

Owners, Landlords & Tenants

Bodily Injury

Full Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.424	1.287	0.9028	1.300	1,700,000
27 to 39 Months	1.198	1.002	0.9066	1.020	2,100,000
39 to 51 Months	1.065	0.953	0.8782	0.967	2,700,000
51 to 63 Months	1.004	0.986	0.8447	0.989	3,300,000
63 to 75 Months	0.995	1.005	0.8033	1.003	4,200,000
75 to 87 Months	0.994	0.995	0.7553	0.995	5,300,000
87 to 99 Months	0.996	0.987	0.7396	0.989	6,600,000
99 to 111 Months	0.999	0.998	0.6995	0.998	8,300,000
111 to 123 Months	0.999	1.000	0.6586	1.000	10,500,000
123 to 135 Months	1.000	1.000	0.5847	1.000	13,200,000
135 to 147 Months	1.000	0.999	0.5105	0.999	16,600,000
147 to 159 Months	1.000	1.000	0.4124	1.000	20,900,000
159 to 171 Months	1.001	1.000	0.3401	1.001	26,300,000
171 to 183 Months	1.000	1.000	0.2847	1.000	33,100,000
183 to 195 Months	1.000	1.000	0.2498	1.000	41,800,000
195 to 207 Months	1.000	1.000	0.2032	1.000	52,700,000
207 to 219 Months	1.000	1.000	0.1642	1.000	66,500,000
219 to 231 Months	1.000	1.000	0.0934	1.000	84,000,000
231 to 243 Months	1.000	1.000	0.0381	1.000	106,200,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	Loss Development From			75:63	87:75	99:87	111:99	123:111	135:123	147:135
		39:27	51:39	63:51							
6/30/2018			0.967	0.989	1.003	0.995	0.989	0.998	1.000	1.000	0.999
6/30/2019		1.020	0.967	0.989	1.003	0.995	0.989	0.998	1.000	1.000	0.999
6/30/2020	1.300	1.020	0.967	0.989	1.003	0.995	0.989	0.998	1.000	1.000	0.999
		159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor
6/30/2018	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.942
6/30/2019	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.961
6/30/2020	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.249

(A) See Section E - Multistate Loss Development.

(B) See Section E - 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 & Tenants
Bodily Injury
Full and Deductible Coverage
ALAE

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K _i)
15 to 27 Months	0.0636	0.1051	0.9028	0.1010	1,700,000
27 to 39 Months	0.0806	0.0906	0.9066	0.0897	2,100,000
39 to 51 Months	0.0584	0.0380	0.8782	0.0404	2,700,000
51 to 63 Months	0.0293	0.0082	0.8447	0.0114	3,300,000
63 to 75 Months	0.0125	0.0041	0.8033	0.0058	4,200,000
75 to 87 Months	0.0060	0.0045	0.7553	0.0049	5,300,000
87 to 99 Months	0.0027	0.0009	0.7396	0.0014	6,600,000
99 to 111 Months	0.0018	0.0023	0.6995	0.0021	8,300,000
111 to 123 Months	0.0013	0.0000	0.6586	0.0005	10,500,000
123 to 135 Months	0.0013	0.0000	0.5847	0.0005	13,200,000
135 to 147 Months	0.0004	0.0000	0.5105	0.0002	16,600,000
147 to 159 Months	0.0008	0.0000	0.4124	0.0005	20,900,000
159 to 171 Months	0.0008	0.0000	0.3401	0.0005	26,300,000
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>
	0.259	0.158	0.068	0.028	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	0.001	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2018	1,996,767	10,843,658	0.068	737,370	2,734,137
6/30/2019	1,472,106	12,280,052	0.158	1,940,247	3,412,353
6/30/2020	321,951	9,599,899	0.259	2,486,374	2,808,325

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2018	142,513	899,930	0.068	61,196	203,709
6/30/2019	97,013	491,163	0.158	77,606	174,619
6/30/2020	2,550	414,972	0.259	107,477	110,027

(A) See Section E - Multistate Loss Development.

(B) See Section E - Statewide Loss Development.

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

(D) {(3) x (4)} + {(2) x {1.000-(4)}}

TENNESSEE

Premises/Operations

Owners, Landlords & Tenants

Property Damage

Full Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.153	1.120	0.6553	1.131	900,000
27 to 39 Months	1.070	0.983	0.6582	1.013	1,000,000
39 to 51 Months	1.043	0.989	0.6231	1.009	1,200,000
51 to 63 Months	1.016	1.010	0.5509	1.013	1,400,000
63 to 75 Months	1.005	0.998	0.5244	1.001	1,600,000
75 to 87 Months	1.008	1.000	0.4717	1.004	1,800,000
87 to 99 Months	1.001	1.000	0.4886	1.001	2,100,000
99 to 111 Months	1.003	1.000	0.4581	1.002	2,400,000
111 to 123 Months	1.004	1.000	0.4040	1.002	2,700,000
123 to 135 Months	1.002	1.000	0.3168	1.001	3,100,000
135 to 147 Months	1.000	1.000	0.2526	1.000	3,600,000
147 to 159 Months	1.000	1.000	0.2226	1.000	4,100,000
159 to 171 Months	1.001	1.000	0.2154	1.001	4,700,000
171 to 183 Months	1.002	1.000	0.2297	1.002	5,400,000
183 to 195 Months	1.002	1.000	0.2179	1.002	6,100,000
195 to 207 Months	1.003	1.000	0.2078	1.002	7,000,000
207 to 219 Months	1.001	1.000	0.1754	1.001	8,100,000
219 to 231 Months	1.001	1.000	0.1218	1.001	9,300,000
231 to 243 Months	1.001	1.000	0.0554	1.001	10,600,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	Loss Development From					75:63	87:75	99:87	111:99	123:111	135:123	147:135
		39:27	51:39	63:51									
6/30/2018			1.009	1.013	1.001	1.004	1.001	1.002	1.002	1.002	1.001	1.000	
6/30/2019		1.013	1.009	1.013	1.001	1.004	1.001	1.002	1.002	1.002	1.001	1.000	
6/30/2020	1.131	1.013	1.009	1.013	1.001	1.004	1.001	1.002	1.002	1.002	1.001	1.000	
		159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243			Factor
6/30/2018	1.000	1.001	1.002	1.002	1.002	1.001	1.001	1.001	1.001	1.004			1.048
6/30/2019	1.000	1.001	1.002	1.002	1.002	1.001	1.001	1.001	1.001	1.004			1.062
6/30/2020	1.000	1.001	1.002	1.002	1.002	1.001	1.001	1.001	1.001	1.004			1.201

(A) See Section E - Multistate Loss Development.

(B) See Section E - 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 & 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 (K _i)
15 to 27 Months	0.0768	0.0466	0.6553	0.0570	900,000
27 to 39 Months	0.0853	0.0167	0.6582	0.0402	1,000,000
39 to 51 Months	0.0694	0.0103	0.6231	0.0326	1,200,000
51 to 63 Months	0.0400	-0.0002	0.5509	0.0179	1,400,000
63 to 75 Months	0.0308	0.0113	0.5244	0.0206	1,600,000
75 to 87 Months	0.0151	-0.0018	0.4717	0.0071	1,800,000
87 to 99 Months	0.0196	0.0000	0.4886	0.0100	2,100,000
99 to 111 Months	0.0171	0.0000	0.4581	0.0093	2,400,000
111 to 123 Months	0.0108	0.0000	0.4040	0.0064	2,700,000
123 to 135 Months	0.0119	0.0000	0.3168	0.0081	3,100,000
135 to 147 Months	0.0031	0.0021	0.2526	0.0029	3,600,000
147 to 159 Months	0.0021	0.0079	0.2226	0.0034	4,100,000
159 to 171 Months	0.0019	0.0000	0.2154	0.0015	4,700,000
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>
	0.217	0.160	0.120	0.087	0.069	0.049	0.042
<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>
	0.032	0.022	0.016	0.008	0.005	0.001	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2018	252,391	887,785	0.120	106,535	358,926
6/30/2019	104,761	1,037,011	0.160	165,922	270,683
6/30/2020	49,549	1,047,656	0.217	227,340	276,889

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2018	16,482	119,607	0.120	14,353	30,835
6/30/2019	8,851	6,672	0.160	1,067	9,918
6/30/2020	27,950	198,681	0.217	43,114	71,064

(A) See Section E - Multistate Loss Development.

(B) See Section E - Statewide Loss Development.

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

(D) {(3) x (4)} + {(2) x {1.000-(4)}}

TENNESSEE

Premises/Operations

Owners, Landlords & Tenants

Fringe

Full Coverage

ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.2089
27 to 39 Months	0.2019
39 to 51 Months	0.1545
51 to 63 Months	0.1050
63 to 75 Months	0.1240
75 to 87 Months	0.0918
87 to 99 Months	0.0300
99 to 111 Months	0.0102
111 to 123 Months	0.0122
123 to 135 Months	0.0052
135 to 147 Months	0.0062
147 to 159 Months	0.0062
159 to 171 Months	0.0026
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>
	0.959	0.750	0.548	0.393	0.288	0.164	0.073

<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>
	0.043	0.032	0.020	0.015	0.009	0.003	0.000

A.Y.E.	Reported ALAE as of 9/30/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2018	309,459	163,414	0.548	89,552	399,011
6/30/2019	459,744	517,236	0.750	387,928	847,672
6/30/2020	40,278	670,430	0.959	642,943	683,221

(A) See Section E - 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:

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
6/30/2001	779,858	1,576,217	1,676,695	1,535,662	1,558,576	1,616,901	1,612,251	1,612,251	1,612,251	1,612,251	1,612,251
6/30/2002	483,474	817,111	1,023,763	1,131,457	1,087,637	1,137,126	1,047,907	1,056,676	1,016,676	1,016,676	1,016,676
6/30/2003	722,667	1,261,987	1,484,127	1,352,467	1,366,889	1,281,889	1,286,889	1,286,889	1,286,889	1,286,889	1,286,889
6/30/2004	1,166,294	1,741,322	1,836,559	1,463,595	1,386,698	1,355,901	1,255,701	1,255,701	1,255,701	1,255,701	1,255,701
6/30/2005	1,070,621	1,111,815	749,521	908,454	758,988	725,058	719,663	771,503	796,503	785,834	785,834
6/30/2006	753,504	967,414	813,019	891,585	864,085	759,702	759,702	759,702	759,702	759,702	759,702
6/30/2007	1,383,856	1,488,932	1,494,597	1,581,242	1,407,681	1,399,181	1,399,181	1,399,181	1,399,181	1,399,181	1,402,181
6/30/2008	1,265,550	2,295,953	2,370,998	2,183,758	1,844,701	1,871,417	1,871,417	1,826,417	1,826,417	1,826,417	1,829,604
6/30/2009	1,304,235	2,012,718	1,887,279	1,848,760	1,667,739	1,605,821	1,605,821	1,609,521	1,609,521	1,613,521	1,613,521
6/30/2010	1,076,523	1,586,171	1,519,681	1,303,799	1,518,386	1,605,336	1,668,964	1,725,914	1,725,914	1,725,914	1,695,814
6/30/2011	1,240,123	2,346,960	2,429,528	2,565,835	2,437,968	2,524,138	2,420,826	2,420,825	2,420,825	2,290,725	
6/30/2012	1,387,381	2,090,684	1,952,898	1,767,027	1,558,177	1,667,906	1,667,906	1,667,906	1,667,411		
6/30/2013	810,255	1,199,022	1,253,055	1,240,680	1,441,071	1,450,202	1,375,202	1,347,592			
6/30/2014	1,253,544	1,940,462	2,080,774	1,776,392	1,674,183	1,616,683	1,606,683				
6/30/2015	1,126,818	2,262,267	2,459,281	2,578,046	2,765,235	2,501,916					
6/30/2016	1,040,232	1,326,454	1,367,441	1,085,853	994,700						
6/30/2017	687,535	1,487,691	1,610,711	1,746,205							
6/30/2018	1,487,986	1,916,215	1,756,110								
6/30/2019	1,316,386	1,722,634									
6/30/2020	1,392,274										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2001	1,612,251	1,612,251	1,612,251	1,612,251	1,612,251	1,612,251	1,612,251	1,612,251	1,612,251
6/30/2002	1,016,676	1,016,676	1,016,676	1,016,676	1,016,676	1,016,676	1,016,676	1,016,676	
6/30/2003	1,286,889	1,286,889	1,286,889	1,286,889	1,286,889	1,286,889	1,286,889		
6/30/2004	1,255,701	1,255,701	1,255,701	1,255,701	1,255,701	1,255,701			
6/30/2005	760,834	760,834	760,834	760,834	760,834				
6/30/2006	759,702	759,702	759,702	759,702					
6/30/2007	1,399,181	1,399,181	1,399,181						
6/30/2008	1,829,604	1,829,604							
6/30/2009	1,613,521								

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

<u>A.Y.E.</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2001	2.021	1.064	0.916	1.015	1.037	0.997	1.000	1.000	1.000	1.000	1.000
6/30/2002	1.690	1.253	1.105	0.961	1.046	0.922	1.008	0.962	1.000	1.000	1.000
6/30/2003	1.746	1.176	0.911	1.011	0.938	1.004	1.000	1.000	1.000	1.000	1.000
6/30/2004	1.493	1.055	0.797	0.947	0.978	0.926	1.000	1.000	1.000	1.000	1.000
6/30/2005	1.038	0.674	1.212	0.835	0.955	0.993	1.072	1.032	0.987	1.000	0.968
6/30/2006	1.284	0.840	1.097	0.969	0.879	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2007	1.076	1.004	1.058	0.890	0.994	1.000	1.000	1.000	1.000	1.002	0.998
6/30/2008	1.814	1.033	0.921	0.845	1.014	1.000	0.976	1.000	1.000	1.002	1.000
6/30/2009	1.543	0.938	0.980	0.902	0.963	1.000	1.002	1.000	1.002	1.000	1.000
6/30/2010	1.473	0.958	0.858	1.165	1.057	1.040	1.034	1.000	1.000	0.983	
6/30/2011	1.893	1.035	1.056	0.950	1.035	0.959	1.000	1.000	0.946		
6/30/2012	1.507	0.934	0.905	0.882	1.070	1.000	1.000	1.000			
6/30/2013	1.480	1.045	0.990	1.162	1.006	0.948	0.980				
6/30/2014	1.548	1.072	0.854	0.942	0.966	0.994					
6/30/2015	2.008	1.087	1.048	1.073	0.905						
6/30/2016	1.275	1.031	0.794	0.916							
6/30/2017	2.164	1.083	1.084								
6/30/2018	1.288	0.916									
6/30/2019	1.309										
3 Yr Mean	1.587	1.010	0.975	0.977	0.959	0.981	0.993	1.000	0.983	0.995	0.999
Best 3/5	1.535	1.062	0.964	0.977	1.002	0.984	1.001	1.000	1.000	1.001	0.999

<u>A.Y.E.</u>	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>
6/30/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
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					
6/30/2007	1.000	1.000						
6/30/2008	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>
6/30/2016					1.002	0.984	1.001	1.000	1.000	1.001	0.999
6/30/2017				0.977	1.002	0.984	1.001	1.000	1.000	1.001	0.999
6/30/2018			0.964	0.977	1.002	0.984	1.001	1.000	1.000	1.001	0.999
6/30/2019		1.062	0.964	0.977	1.002	0.984	1.001	1.000	1.000	1.001	0.999
6/30/2020	1.535	1.062	0.964	0.977	1.002	0.984	1.001	1.000	1.000	1.001	0.999

<u>A.Y.E.</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.987
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.964
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.930
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.987
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.515

* Calculated Using Modified Bondy Method

@ 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>
6/30/2001	168,115	318,749	545,431	592,139	926,785	964,936	969,850	969,850	1,045,274	1,045,274	1,045,274
6/30/2002	73,622	283,565	588,412	563,664	683,970	774,595	804,830	825,717	812,825	812,825	812,825
6/30/2003	93,011	373,251	833,576	845,737	909,722	935,014	943,553	941,144	941,183	983,771	983,771
6/30/2004	286,437	487,388	678,399	763,796	835,096	834,992	840,540	840,540	840,540	840,540	840,540
6/30/2005	124,798	371,622	328,240	442,232	481,497	499,987	541,172	541,390	562,271	562,456	548,924
6/30/2006	38,783	172,605	257,073	333,126	549,138	543,475	543,475	543,475	543,475	543,475	543,475
6/30/2007	207,086	338,142	420,772	576,255	597,935	619,892	619,892	619,892	619,892	619,892	619,892
6/30/2008	115,328	327,667	796,022	982,393	1,191,213	1,238,590	1,285,461	1,291,270	1,323,629	1,374,114	1,383,512
6/30/2009	92,770	323,291	477,235	618,569	637,894	643,044	643,044	643,044	643,044	643,044	643,044
6/30/2010	129,032	479,199	920,613	1,269,648	1,518,642	1,620,185	1,813,916	1,822,132	1,822,132	1,822,132	1,814,687
6/30/2011	122,884	423,801	686,911	992,052	1,325,196	2,023,515	2,355,755	2,039,340	2,074,318	2,093,977	
6/30/2012	1,138,949	2,779,738	4,727,907	5,241,861	5,588,464	5,664,727	5,676,397	5,676,891	5,677,386		
6/30/2013	130,352	277,959	879,677	1,290,985	1,229,351	1,185,805	1,204,764	1,222,997			
6/30/2014	175,142	453,017	656,512	996,236	1,721,055	1,700,831	1,792,630				
6/30/2015	188,990	489,074	951,182	1,372,067	1,619,577	1,617,846					
6/30/2016	101,738	282,469	519,577	746,080	894,474						
6/30/2017	180,566	509,210	814,906	1,085,915							
6/30/2018	260,214	562,294	698,867								
6/30/2019	230,287	599,913									
6/30/2020	256,228										

<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>
6/30/2001	1,045,274	1,045,274	1,045,274	1,045,274	1,045,274	1,045,274	1,045,274	1,045,274	1,045,274
6/30/2002	812,825	812,825	812,825	812,825	812,825	812,825	812,825	812,825	
6/30/2003	983,771	983,771	983,771	983,771	983,771	983,771	983,771		
6/30/2004	840,540	840,540	840,540	840,540	840,540	840,540			
6/30/2005	548,924	548,924	548,924	548,924	548,924				
6/30/2006	543,475	543,475	543,475	543,475					
6/30/2007	621,108	621,199	621,199						
6/30/2008	1,385,860	1,385,860							
6/30/2009	643,044								

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
6/30/2001	150,634	226,682	46,708	334,646	38,151	4,914	0	75,424	0	0	0	0	0
6/30/2002	209,943	304,847	-24,748	120,306	90,625	30,235	20,887	-12,892	0	0	0	0	0
6/30/2003	280,240	460,325	12,161	63,985	25,292	8,539	-2,409	39	42,588	0	0	0	0
6/30/2004	200,951	191,011	85,397	71,300	-104	5,548	0	0	0	0	0	0	0
6/30/2005	246,824	-43,382	113,992	39,265	18,490	41,185	218	20,881	185	-13,532	0	0	0
6/30/2006	133,822	84,468	76,053	216,012	-5,663	0	0	0	0	0	0	0	0
6/30/2007	131,056	82,630	155,483	21,680	21,957	0	0	0	0	0	1,216	91	0
6/30/2008	212,339	468,355	186,371	208,820	47,377	46,871	5,809	32,359	50,485	9,398	2,348	0	0
6/30/2009	230,521	153,944	141,334	19,325	5,150	0	0	0	0	0	0	0	0
6/30/2010	350,167	441,414	349,035	248,994	101,543	193,731	8,216	0	0	-7,445	0	0	0
6/30/2011	300,917	263,110	305,141	333,144	698,319	332,240	-316,415	34,978	19,659	0	0	0	0
6/30/2012	1,640,789	1,948,169	513,954	346,603	76,263	11,670	494	495	0	0	0	0	0
6/30/2013	147,607	601,718	411,308	-61,634	-43,546	18,959	18,233	0	0	0	0	0	0
6/30/2014	277,875	203,495	339,724	724,819	-20,224	91,799	0	0	0	0	0	0	0
6/30/2015	300,084	462,108	420,885	247,510	-1,731	0	0	0	0	0	0	0	0
6/30/2016	180,731	237,108	226,503	148,394	0	0	0	0	0	0	0	0	0
6/30/2017	328,644	305,696	271,009	0	0	0	0	0	0	0	0	0	0
6/30/2018	302,080	136,573	0	0	0	0	0	0	0	0	0	0	0
6/30/2019	369,626	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
6/30/2001	0.0559	0.0841	0.0173	0.1242	0.0142	0.0018	0.0000	0.0280	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.1267	0.1840	-0.0149	0.0726	0.0547	0.0183	0.0126	-0.0078	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.1183	0.1944	0.0051	0.0270	0.0107	0.0036	-0.0010	0.0000	0.0180	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.0918	0.0873	0.0390	0.0326	0.0000	0.0025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.2940	-0.0517	0.1358	0.0468	0.0220	0.0491	0.0003	0.0249	0.0002	-0.0161	0.0000	0.0000	0.0000
6/30/2006	0.0879	0.0555	0.0500	0.1420	-0.0037	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2007	0.0527	0.0332	0.0625	0.0087	0.0088	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000	0.0000
6/30/2008	0.0703	0.1550	0.0617	0.0691	0.0157	0.0155	0.0019	0.0107	0.0167	0.0031	0.0008	0.0000	0.0000
6/30/2009	0.0826	0.0552	0.0507	0.0069	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2010	0.1026	0.1294	0.1023	0.0730	0.0298	0.0568	0.0024	0.0000	0.0000	-0.0022	0.0000	0.0000	0.0000
6/30/2011	0.0699	0.0611	0.0708	0.0773	0.1621	0.0771	-0.0735	0.0081	0.0046	0.0000	0.0000	0.0000	0.0000
6/30/2012	0.5259	0.6244	0.1647	0.1111	0.0244	0.0037	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2013	0.0723	0.2947	0.2015	-0.0302	-0.0213	0.0093	0.0089	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2014	0.0956	0.0700	0.1169	0.2495	-0.0070	0.0316	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2015	0.0572	0.0881	0.0803	0.0472	-0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2016	0.1110	0.1456	0.1391	0.0911	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2017	0.1018	0.0947	0.0840	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2018	0.0890	0.0402	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2019	0.1303	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	0.1006	0.0843	0.1133	0.0831	0.0057	0.0326	0.0009	0.0028	0.0015	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.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2001	2,051,482	2,459,994	3,009,062	2,954,517	2,988,630	2,965,129	3,006,379	2,953,380	2,953,379	2,953,379	2,953,379
6/30/2002	2,138,126	2,450,174	2,545,967	2,590,166	2,704,383	2,873,645	2,853,645	2,877,428	2,821,728	2,821,803	2,921,803
6/30/2003	2,120,923	2,590,710	2,480,135	2,766,054	2,810,789	2,797,402	2,790,626	2,704,958	2,704,486	2,728,303	2,728,303
6/30/2004	2,768,676	2,972,386	3,069,893	2,954,099	2,921,292	2,757,211	2,764,861	2,746,212	2,746,212	2,746,212	2,746,212
6/30/2005	1,820,534	1,857,398	1,996,077	1,783,921	1,994,771	1,939,999	1,940,999	1,950,568	1,955,570	1,955,569	1,955,611
6/30/2006	2,043,096	2,042,165	1,902,166	1,822,369	1,832,379	1,832,379	1,836,664	1,834,166	1,834,165	1,834,165	1,834,165
6/30/2007	2,467,377	2,369,329	2,345,291	2,237,849	2,262,549	2,236,784	2,324,279	2,331,160	2,331,060	2,331,060	2,331,063
6/30/2008	2,421,488	2,449,679	2,527,147	2,362,819	2,344,348	2,374,751	2,391,091	2,360,232	2,361,244	2,361,246	2,361,244
6/30/2009	2,476,614	2,579,781	2,516,688	2,549,393	2,602,790	2,641,132	2,654,532	2,654,021	2,632,360	2,610,380	2,610,379
6/30/2010	2,290,209	2,248,171	2,104,004	2,073,799	2,184,549	2,191,199	2,206,722	2,230,928	2,193,130	2,191,771	2,191,771
6/30/2011	2,591,203	2,620,540	2,739,774	2,814,680	2,805,605	2,833,252	2,833,252	2,848,252	2,907,752	2,907,252	
6/30/2012	2,448,915	2,555,430	2,496,211	2,508,487	2,553,369	2,517,835	2,516,502	2,516,502	2,516,502		
6/30/2013	2,305,529	2,387,248	2,381,801	2,448,130	2,474,030	2,345,129	2,332,629	2,325,129			
6/30/2014	2,342,862	2,658,938	2,792,116	2,954,567	2,899,675	2,989,675	2,894,675				
6/30/2015	1,847,862	2,349,404	2,365,242	2,489,997	2,531,066	2,528,217					
6/30/2016	2,336,560	2,452,085	2,618,148	2,570,090	2,533,920						
6/30/2017	2,813,786	3,029,921	3,135,643	3,137,921							
6/30/2018	2,546,431	3,105,547	3,206,433								
6/30/2019	3,205,625	3,326,635									
6/30/2020	3,701,118										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2001	2,953,379	2,953,379	2,953,379	2,953,379	2,953,379	2,953,379	2,953,379	2,953,379	2,953,379
6/30/2002	2,956,803	2,999,585	2,999,585	2,999,585	2,999,585	2,999,585	2,999,585	2,999,585	
6/30/2003	2,728,303	2,728,303	2,703,303	2,703,303	2,703,303	2,703,303	2,703,303		
6/30/2004	2,746,212	2,746,212	2,746,212	2,746,212	2,746,212	2,746,212			
6/30/2005	1,975,611	1,975,611	1,975,611	1,955,611	1,955,611				
6/30/2006	1,834,165	1,834,165	1,834,165	1,834,165					
6/30/2007	2,331,060	2,331,060	2,331,060						
6/30/2008	2,361,244	2,361,244							
6/30/2009	2,610,379								

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

<u>A.Y.E.</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2001	1.199	1.223	0.982	1.012	0.992	1.014	0.982	1.000	1.000	1.000	1.000
6/30/2002	1.146	1.039	1.017	1.044	1.063	0.993	1.008	0.981	1.000	1.035	1.012
6/30/2003	1.222	0.957	1.115	1.016	0.995	0.998	0.969	1.000	1.009	1.000	1.000
6/30/2004	1.074	1.033	0.962	0.989	0.944	1.003	0.993	1.000	1.000	1.000	1.000
6/30/2005	1.020	1.075	0.894	1.118	0.973	1.001	1.005	1.003	1.000	1.000	1.010
6/30/2006	1.000	0.931	0.958	1.005	1.000	1.002	1.000	1.000	1.000	1.000	1.000
6/30/2007	0.960	0.990	0.954	1.011	0.989	1.039	1.003	1.000	1.000	1.000	1.000
6/30/2008	1.012	1.032	0.935	0.992	1.013	1.007	0.987	1.000	1.000	1.000	1.000
6/30/2009	1.042	0.976	1.013	1.021	1.015	1.005	1.000	0.992	0.992	1.000	1.000
6/30/2010	0.982	0.936	0.986	1.053	1.003	1.007	1.011	0.983	0.999	1.000	
6/30/2011	1.011	1.045	1.027	0.997	1.010	1.000	1.005	1.021	1.000		
6/30/2012	1.043	0.977	1.005	1.018	0.986	0.999	1.000	1.000			
6/30/2013	1.035	0.998	1.028	1.011	0.948	0.995	0.997				
6/30/2014	1.135	1.050	1.058	0.981	1.031	0.968					
6/30/2015	1.271	1.007	1.053	1.016	0.999						
6/30/2016	1.049	1.068	0.982	0.986							
6/30/2017	1.077	1.035	1.001								
6/30/2018	1.220	1.032									
6/30/2019	1.038										
3 Yr Mean	1.112	1.045	1.012	0.994	0.993	0.987	1.001	1.001	0.997	1.000	1.000
Best 3/5	1.115	1.039	1.027	1.004	0.998	0.998	1.002	0.997	1.000	1.000	1.000

<u>A.Y.E.</u>	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
6/30/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2002	1.014	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *			
6/30/2003	1.000	0.991	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	0.990	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
6/30/2006	1.000	1.000	1.000								
6/30/2007	1.000	1.000									
6/30/2008	1.000										
3 Yr Mean	1.000	1.000	0.997	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<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>
6/30/2016					0.998	0.998	1.002	0.997	1.000	1.000	1.000
6/30/2017				1.004	0.998	0.998	1.002	0.997	1.000	1.000	1.000
6/30/2018			1.027	1.004	0.998	0.998	1.002	0.997	1.000	1.000	1.000
6/30/2019		1.039	1.027	1.004	0.998	0.998	1.002	0.997	1.000	1.000	1.000
6/30/2020	1.115	1.039	1.027	1.004	0.998	0.998	1.002	0.997	1.000	1.000	1.000

<u>A.Y.E.</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.995
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.999
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.026
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.066
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.189

* Calculated Using Modified Bondy Method

@ 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

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>
6/30/2001	75,284	197,386	449,278	790,963	1,113,730	1,048,512	1,071,846	1,057,621	1,051,553	1,051,553	1,051,553
6/30/2002	263,871	323,240	383,068	508,918	588,811	705,050	853,178	867,858	926,959	947,388	1,036,726
6/30/2003	170,754	276,596	420,691	599,421	1,135,299	1,138,073	1,141,050	1,152,159	1,153,906	1,154,028	1,167,824
6/30/2004	186,034	327,425	449,330	482,695	517,093	552,577	558,675	570,158	572,710	573,898	573,898
6/30/2005	182,165	250,928	332,121	479,544	546,196	560,047	552,546	565,934	568,184	567,313	567,313
6/30/2006	139,346	237,293	310,478	341,673	344,515	348,440	357,701	357,701	354,875	354,875	354,875
6/30/2007	102,850	157,236	225,931	306,229	402,879	438,208	440,267	471,516	470,482	470,482	470,440
6/30/2008	316,063	681,813	875,489	777,343	896,551	916,966	972,891	975,622	981,785	985,013	1,002,467
6/30/2009	106,773	216,992	280,728	385,191	620,638	637,230	630,356	632,158	635,529	635,529	635,529
6/30/2010	142,540	207,159	282,224	305,954	328,545	358,245	392,713	414,890	469,806	470,641	470,641
6/30/2011	115,640	318,028	347,058	427,626	429,190	453,240	460,781	460,781	469,743	469,643	
6/30/2012	186,753	302,650	562,842	659,052	706,135	737,202	737,134	737,134	737,134		
6/30/2013	239,081	417,208	493,872	1,208,273	1,885,391	2,062,273	2,095,466	2,140,124			
6/30/2014	163,675	281,614	387,500	1,086,978	2,620,596	3,717,239	4,310,464				
6/30/2015	133,465	229,936	557,950	704,544	793,992	748,905					
6/30/2016	1,316,076	242,267	371,177	391,088	411,914						
6/30/2017	196,759	568,359	744,975	963,955							
6/30/2018	209,988	297,807	500,762								
6/30/2019	409,051	537,317									
6/30/2020	555,956										

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>
6/30/2001	1,051,553	1,051,553	1,051,553	1,051,553	1,051,553	1,051,553	1,051,553	1,051,553	1,051,553
6/30/2002	1,056,879	1,061,641	1,073,861	1,090,929	1,096,727	1,110,757	1,132,368	1,156,570	
6/30/2003	1,168,865	1,169,303	1,169,414	1,169,414	1,169,414	1,169,414	1,169,414		
6/30/2004	573,898	573,898	573,898	573,898	573,898	573,898			
6/30/2005	647,964	723,783	938,608	759,321	759,321				
6/30/2006	354,875	354,875	354,875	354,875					
6/30/2007	470,440	470,440	470,440						
6/30/2008	1,005,911	1,014,614							
6/30/2009	635,529								

PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
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>
6/30/2001	122,102	251,892	341,685	322,767	-65,218	23,334	-14,225	-6,068	0	0	0	0	0
6/30/2002	59,369	59,828	125,850	79,893	116,239	148,128	14,680	59,101	20,429	89,338	20,153	4,762	12,220
6/30/2003	105,842	144,095	178,730	535,878	2,774	2,977	11,109	1,747	122	13,796	1,041	438	111
6/30/2004	141,391	121,905	33,365	34,398	35,484	6,098	11,483	2,552	1,188	0	0	0	0
6/30/2005	68,763	81,193	147,423	66,652	13,851	-7,501	13,388	2,250	-871	0	80,651	75,819	214,825
6/30/2006	97,947	73,185	31,195	2,842	3,925	9,261	0	-2,826	0	0	0	0	0
6/30/2007	54,386	68,695	80,298	96,650	35,329	2,059	31,249	-1,034	0	-42	0	0	0
6/30/2008	365,750	193,676	-98,146	119,208	20,415	55,925	2,731	6,163	3,228	17,454	3,444	8,703	
6/30/2009	110,219	63,736	104,463	235,447	16,592	-6,874	1,802	3,371	0	0	0		
6/30/2010	64,619	75,065	23,730	22,591	29,700	34,468	22,177	54,916	835	0			
6/30/2011	202,388	29,030	80,568	1,564	24,050	7,541	0	8,962	-100				
6/30/2012	115,897	260,192	96,210	47,083	31,067	-68	0	0					
6/30/2013	178,127	76,664	714,401	677,118	176,882	33,193	44,658						
6/30/2014	117,939	105,886	699,478	1,533,618	1,096,643	593,225							
6/30/2015	96,471	328,014	146,594	89,448	-45,087								
6/30/2016	-1,073,809	128,910	19,911	20,826									
6/30/2017	371,600	176,616	218,980										
6/30/2018	87,819	202,955											
6/30/2019	128,266												

	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>
6/30/2001	0.0362	0.0746	0.1012	0.0956	-0.0193	0.0069	-0.0042	-0.0018	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.0145	0.0146	0.0307	0.0195	0.0284	0.0361	0.0036	0.0144	0.0050	0.0218	0.0049	0.0012	0.0030
6/30/2003	0.0290	0.0395	0.0490	0.1470	0.0008	0.0008	0.0030	0.0005	0.0000	0.0038	0.0003	0.0001	0.0000
6/30/2004	0.0450	0.0388	0.0106	0.0109	0.0113	0.0019	0.0037	0.0008	0.0004	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0290	0.0343	0.0622	0.0281	0.0058	-0.0032	0.0056	0.0009	-0.0004	0.0000	0.0340	0.0320	0.0907
6/30/2006	0.0498	0.0372	0.0159	0.0014	0.0020	0.0047	0.0000	-0.0014	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2007	0.0172	0.0218	0.0254	0.0306	0.0112	0.0007	0.0099	-0.0003	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2008	0.1032	0.0546	-0.0277	0.0336	0.0058	0.0158	0.0008	0.0017	0.0009	0.0049	0.0010	0.0025	
6/30/2009	0.0352	0.0204	0.0334	0.0752	0.0053	-0.0022	0.0006	0.0011	0.0000	0.0000	0.0000		
6/30/2010	0.0208	0.0242	0.0076	0.0073	0.0096	0.0111	0.0071	0.0177	0.0003	0.0000			
6/30/2011	0.0607	0.0087	0.0242	0.0005	0.0072	0.0023	0.0000	0.0027	0.0000				
6/30/2012	0.0410	0.0921	0.0341	0.0167	0.0110	0.0000	0.0000	0.0000					
6/30/2013	0.0727	0.0313	0.2915	0.2763	0.0722	0.0135	0.0182						
6/30/2014	0.0357	0.0321	0.2118	0.4644	0.3321	0.1796							
6/30/2015	0.0295	0.1004	0.0449	0.0274	-0.0138								
6/30/2016	-0.3992	0.0479	0.0074	0.0077									
6/30/2017	0.0824	0.0392	0.0486										
6/30/2018	0.0212	0.0490											
6/30/2019	0.0274												

Best 3/5	0.0260	0.0454	0.1017	0.1068	0.0301	0.0090	0.0026	0.0018	0.0001	0.0000	0.0003	0.0008	0.0000
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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:

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
6/30/2001	3,591,404	3,730,062	4,347,714	4,047,031	4,280,988	4,212,467	4,240,213	4,212,467	4,212,467	4,212,467	4,212,054
6/30/2002	3,098,102	4,094,777	4,656,732	4,592,298	4,583,042	4,487,362	4,388,359	4,424,859	4,448,447	4,443,500	4,443,500
6/30/2003	3,742,525	4,224,404	4,986,608	4,993,367	4,816,386	4,739,016	4,502,964	4,442,873	4,467,508	4,406,341	4,406,341
6/30/2004	4,209,344	4,901,388	5,013,045	4,704,851	4,668,816	4,594,050	4,577,070	4,585,277	4,587,277	4,587,277	4,587,277
6/30/2005	4,850,534	5,554,825	5,631,033	5,245,556	5,054,136	5,016,422	4,976,422	4,976,423	4,976,422	4,956,422	4,941,422
6/30/2006	3,930,730	4,505,744	4,187,979	4,099,904	3,789,917	3,754,667	3,658,144	3,655,791	3,655,791	3,655,791	3,710,791
6/30/2007	5,230,316	5,556,493	5,371,338	5,152,577	5,134,038	5,137,122	5,106,672	4,997,672	4,947,672	4,971,092	4,971,092
6/30/2008	5,486,801	6,395,599	6,981,634	6,822,285	6,275,012	6,048,872	6,051,602	6,036,947	6,036,947	6,036,947	6,036,947
6/30/2009	5,981,723	7,264,383	6,945,133	6,735,821	6,447,785	6,514,071	6,439,571	6,348,571	6,301,071	6,301,071	6,301,071
6/30/2010	6,809,624	7,473,566	7,130,362	6,941,098	6,768,381	6,497,435	6,487,272	6,376,522	6,353,765	6,242,765	6,242,074
6/30/2011	6,191,326	8,443,018	7,994,366	7,971,132	7,673,955	7,750,394	7,744,113	7,618,384	7,597,678	7,597,678	
6/30/2012	5,561,162	6,787,547	5,948,937	5,274,560	5,254,112	5,245,551	5,323,779	5,323,779	5,323,779		
6/30/2013	4,826,493	6,033,699	6,025,351	5,745,187	5,676,625	5,744,585	5,674,498	5,625,121			
6/30/2014	4,972,845	5,746,997	5,920,020	5,467,523	5,330,728	5,367,546	5,297,589				
6/30/2015	4,743,169	6,062,853	6,539,148	5,990,850	6,143,208	6,111,129					
6/30/2016	5,021,393	6,805,442	6,608,245	6,489,664	6,138,021						
6/30/2017	5,269,015	6,586,200	6,312,900	6,321,543							
6/30/2018	5,252,511	6,995,963	7,037,755								
6/30/2019	5,266,488	6,422,126									
6/30/2020	4,009,901										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2001	4,212,054	4,212,054	4,212,054	4,212,054	4,212,054	4,212,054	4,212,054	4,212,054	4,212,054
6/30/2002	4,443,500	4,443,500	4,443,500	4,443,500	4,443,500	4,443,500	4,443,500	4,443,500	
6/30/2003	4,406,341	4,406,341	4,406,341	4,406,341	4,406,341	4,406,341	4,406,341		
6/30/2004	4,587,277	4,587,277	4,587,277	4,587,277	4,587,277	4,606,277			
6/30/2005	4,921,423	4,921,422	4,921,422	4,921,422	4,921,422				
6/30/2006	3,662,791	3,662,791	3,662,791	3,662,791					
6/30/2007	4,971,092	4,971,092	4,971,092						
6/30/2008	6,036,947	6,036,947							
6/30/2009	6,301,071								

PREMISES/OPERATIONS (Subline Code 334)

OWNERS, LANDLORDS AND TENANTS

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>
6/30/2001	1.039	1.166	0.931	1.058	0.984	1.007	0.993	1.000	1.000	1.000	1.000
6/30/2002	1.322	1.137	0.986	0.998	0.979	0.978	1.008	1.005	0.999	1.000	1.000
6/30/2003	1.129	1.180	1.001	0.965	0.984	0.950	0.987	1.006	0.986	1.000	1.000
6/30/2004	1.164	1.023	0.939	0.992	0.984	0.996	1.002	1.000	1.000	1.000	1.000
6/30/2005	1.145	1.014	0.932	0.964	0.993	0.992	1.000	1.000	0.996	0.997	0.996
6/30/2006	1.146	0.929	0.979	0.924	0.991	0.974	0.999	1.000	1.000	1.015	0.987
6/30/2007	1.062	0.967	0.959	0.996	1.001	0.994	0.979	0.990	1.005	1.000	1.000
6/30/2008	1.166	1.092	0.977	0.920	0.964	1.000	0.998	1.000	1.000	1.000	1.000
6/30/2009	1.214	0.956	0.970	0.957	1.010	0.989	0.986	0.993	1.000	1.000	1.000
6/30/2010	1.098	0.954	0.973	0.975	0.960	0.998	0.983	0.996	0.983	1.000	
6/30/2011	1.364	0.947	0.997	0.963	1.010	0.999	0.984	0.997	1.000		
6/30/2012	1.221	0.876	0.887	0.996	0.998	1.015	1.000	1.000			
6/30/2013	1.250	0.999	0.954	0.988	1.012	0.988	0.991				
6/30/2014	1.156	1.030	0.924	0.975	1.007	0.987					
6/30/2015	1.278	1.079	0.916	1.025	0.995						
6/30/2016	1.355	0.971	0.982	0.946							
6/30/2017	1.250	0.959	1.001								
6/30/2018	1.332	1.006									
6/30/2019	1.219										
3 Yr Mean	1.267	0.979	0.966	0.982	1.005	0.997	0.992	0.998	0.994	1.000	1.000
Best 3/5	1.287	1.002	0.953	0.986	1.005	0.995	0.987	0.998	1.000	1.000	0.999

<u>A.Y.E.</u>	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>
6/30/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
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	1.004	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					
6/30/2007	1.000	1.000						
6/30/2008	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	1.000 *	1.000 *	1.000 *	1.000 *

Development From

<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2016					1.005	0.995	0.987	0.998	1.000	1.000	0.999
6/30/2017				0.986	1.005	0.995	0.987	0.998	1.000	1.000	0.999
6/30/2018			0.953	0.986	1.005	0.995	0.987	0.998	1.000	1.000	0.999
6/30/2019		1.002	0.953	0.986	1.005	0.995	0.987	0.998	1.000	1.000	0.999
6/30/2020	1.287	1.002	0.953	0.986	1.005	0.995	0.987	0.998	1.000	1.000	0.999

<u>A.Y.E.</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.984
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.970
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.925
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.926
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.192

* Calculated Using Modified Bondy Method

@ 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>
6/30/2001	367,859	686,339	1,187,160	1,464,514	1,453,663	1,496,820	1,515,255	1,531,024	1,531,820	1,532,140	1,532,140
6/30/2002	334,393	971,022	1,219,369	1,272,034	1,535,315	1,605,365	1,552,770	1,492,484	1,508,049	1,486,835	1,486,835
6/30/2003	379,250	1,184,809	1,526,722	2,308,439	2,758,094	2,798,900	2,449,481	2,469,721	2,459,633	2,471,353	2,471,353
6/30/2004	435,663	790,839	1,371,998	1,404,679	1,562,865	1,559,532	1,569,935	1,619,327	1,624,571	1,627,539	1,627,539
6/30/2005	308,128	1,030,431	1,640,394	1,992,592	2,340,008	2,647,382	2,748,224	2,750,484	2,750,484	2,770,490	2,769,902
6/30/2006	259,188	883,269	1,109,155	1,177,479	1,163,965	1,195,929	1,369,633	1,341,250	1,341,250	1,341,250	1,341,250
6/30/2007	153,248	736,430	1,061,323	1,198,064	1,264,941	1,331,126	1,337,891	1,440,195	1,494,984	1,474,744	1,474,816
6/30/2008	316,587	1,057,577	2,056,789	3,110,871	3,175,184	3,183,473	3,203,309	3,220,799	3,220,818	3,220,818	3,220,818
6/30/2009	406,691	1,661,024	2,247,896	2,636,140	2,828,711	2,850,758	3,008,097	3,013,709	3,039,711	3,040,690	3,040,690
6/30/2010	897,655	1,754,305	3,292,867	4,105,571	3,854,095	4,015,147	3,867,845	4,043,638	4,102,244	4,115,658	4,116,057
6/30/2011	659,067	1,689,438	2,076,636	2,312,064	2,403,037	2,442,412	2,512,437	2,504,898	2,504,968	2,504,968	
6/30/2012	694,489	1,873,474	1,932,656	2,079,368	2,103,845	2,157,325	2,190,563	2,208,436	2,233,433		
6/30/2013	1,351,874	2,230,232	2,742,147	3,173,284	3,308,491	3,516,136	3,614,997	3,607,822			
6/30/2014	599,517	1,529,868	2,048,050	2,374,682	2,452,559	2,429,386	2,442,718				
6/30/2015	548,348	1,555,725	2,231,050	2,503,809	2,535,817	2,538,800					
6/30/2016	349,871	1,358,184	2,600,368	3,172,839	3,284,769						
6/30/2017	794,106	1,987,070	3,545,611	3,679,843							
6/30/2018	393,573	1,266,027	1,848,944								
6/30/2019	537,059	1,349,120									
6/30/2020	305,597										

<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>
6/30/2001	1,532,140	1,532,140	1,532,140	1,532,140	1,532,140	1,532,140	1,532,140	1,532,140	1,532,140
6/30/2002	1,486,835	1,486,835	1,486,835	1,486,835	1,486,835	1,486,835	1,486,835	1,486,835	
6/30/2003	2,471,353	2,471,601	2,471,601	2,471,601	2,471,601	2,471,601	2,471,601		
6/30/2004	1,627,539	1,627,539	1,627,539	1,627,539	1,627,539	1,612,481			
6/30/2005	2,770,747	2,760,126	2,760,126	2,760,126	2,760,126				
6/30/2006	1,341,250	1,341,250	1,341,250	1,341,250					
6/30/2007	1,475,676	1,475,324	1,475,324						
6/30/2008	3,220,818	3,220,818							
6/30/2009	3,040,690								

PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
TENNESSEE
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>
6/30/2001	318,480	500,821	277,354	-10,851	43,157	18,435	15,769	796	320	0	0	0	0
6/30/2002	636,629	248,347	52,665	263,281	70,050	-52,595	-60,286	15,565	-21,214	0	0	0	0
6/30/2003	805,559	341,913	781,717	449,655	40,806	-349,419	20,240	-10,088	11,720	0	0	248	0
6/30/2004	355,176	581,159	32,681	158,186	-3,333	10,403	49,392	5,244	2,968	0	0	0	0
6/30/2005	722,303	609,963	352,198	347,416	307,374	100,842	2,260	0	20,006	-588	845	-10,621	0
6/30/2006	624,081	225,886	68,324	-13,514	31,964	173,704	-28,383	0	0	0	0	0	0
6/30/2007	583,182	324,893	136,741	66,877	66,185	6,765	102,304	54,789	-20,240	72	860	-352	0
6/30/2008	740,990	999,212	1,054,082	64,313	8,289	19,836	17,490	19	0	0	0	0	0
6/30/2009	1,254,333	586,872	388,244	192,571	22,047	157,339	5,612	26,002	979	0	0	0	0
6/30/2010	856,650	1,538,562	812,704	-251,476	161,052	-147,302	175,793	58,606	13,414	399	0	0	0
6/30/2011	1,030,371	387,198	235,428	90,973	39,375	70,025	-7,539	70	0	0	0	0	0
6/30/2012	1,178,985	59,182	146,712	24,477	53,480	33,238	17,873	24,997	0	0	0	0	0
6/30/2013	878,358	511,915	431,137	135,207	207,645	98,861	-7,175	0	0	0	0	0	0
6/30/2014	930,351	518,182	326,632	77,877	-23,173	13,332	0	0	0	0	0	0	0
6/30/2015	1,007,377	675,325	272,759	32,008	2,983	0	0	0	0	0	0	0	0
6/30/2016	1,008,313	1,242,184	572,471	111,930	0	0	0	0	0	0	0	0	0
6/30/2017	1,192,964	1,558,541	134,232	0	0	0	0	0	0	0	0	0	0
6/30/2018	872,454	582,917	0	0	0	0	0	0	0	0	0	0	0
6/30/2019	812,061	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>
6/30/2001	0.0542	0.0852	0.0472	-0.0018	0.0073	0.0031	0.0027	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.0911	0.0355	0.0075	0.0377	0.0100	-0.0075	-0.0086	0.0022	-0.0030	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.1436	0.0609	0.1393	0.0801	0.0073	-0.0623	0.0036	-0.0018	0.0021	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.0536	0.0877	0.0049	0.0239	-0.0005	0.0016	0.0075	0.0008	0.0004	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.1039	0.0878	0.0507	0.0500	0.0442	0.0145	0.0003	0.0000	0.0029	-0.0001	0.0001	-0.0015	0.0000
6/30/2006	0.1375	0.0498	0.0151	-0.0030	0.0070	0.0383	-0.0063	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2007	0.0904	0.0504	0.0212	0.0104	0.0103	0.0010	0.0159	0.0085	-0.0031	0.0000	0.0001	-0.0001	0.0000
6/30/2008	0.0887	0.1197	0.1262	0.0077	0.0010	0.0024	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2009	0.1454	0.0680	0.0450	0.0223	0.0026	0.0182	0.0007	0.0030	0.0001	0.0000	0.0000	0.0000	0.0000
6/30/2010	0.0922	0.1656	0.0874	-0.0271	0.0173	-0.0159	0.0189	0.0063	0.0014	0.0000	0.0000	0.0000	0.0000
6/30/2011	0.1049	0.0394	0.0240	0.0093	0.0040	0.0071	-0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2012	0.1780	0.0089	0.0221	0.0037	0.0081	0.0050	0.0027	0.0038	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2013	0.0949	0.0553	0.0466	0.0146	0.0224	0.0107	-0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2014	0.1050	0.0585	0.0369	0.0088	-0.0026	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2015	0.1125	0.0754	0.0304	0.0036	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2016	0.1081	0.1332	0.0614	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2017	0.1214	0.1586	0.0137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2018	0.0946	0.0632	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2019	0.0868	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	0.1051	0.0906	0.0380	0.0082	0.0041	0.0045	0.0009	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
TENNESSEE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2001	633,339	566,581	517,368	572,967	696,792	618,642	618,642	618,642	618,642	606,642	631,642
6/30/2002	551,475	680,185	664,685	647,421	695,417	694,839	670,984	670,984	670,984	668,120	668,120
6/30/2003	479,668	503,935	414,435	443,314	433,239	433,239	433,239	435,739	433,239	433,239	433,239
6/30/2004	461,888	569,848	722,487	759,403	689,403	734,403	734,403	734,403	734,403	734,403	734,403
6/30/2005	438,969	502,949	512,799	551,995	496,571	535,454	456,403	458,903	456,403	457,349	457,349
6/30/2006	293,099	306,453	246,617	254,117	245,586	318,086	318,086	343,086	343,086	343,086	343,086
6/30/2007	428,975	411,877	415,464	425,053	425,095	425,095	415,095	415,095	414,945	414,945	414,945
6/30/2008	444,831	407,941	367,941	370,764	415,764	415,764	440,764	415,764	415,764	415,764	415,764
6/30/2009	510,306	377,482	369,506	367,111	409,411	386,111	386,111	386,111	386,111	386,111	386,111
6/30/2010	652,967	807,513	724,503	674,504	635,503	635,503	635,503	635,503	635,503	635,503	635,503
6/30/2011	761,364	704,668	731,295	625,373	729,470	804,470	806,970	806,970	808,870	808,870	
6/30/2012	690,757	577,511	636,639	678,686	681,086	591,086	586,086	586,086	586,086		
6/30/2013	656,643	637,510	626,384	589,284	613,647	613,647	613,647	613,647			
6/30/2014	495,418	563,552	406,780	402,280	402,280	402,280	402,280				
6/30/2015	712,214	669,616	744,029	729,930	748,055	744,131					
6/30/2016	540,931	638,340	586,944	584,994	512,996						
6/30/2017	667,776	711,808	653,254	677,626							
6/30/2018	498,638	575,950	670,749								
6/30/2019	544,891	620,974									
6/30/2020	525,603										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2001	621,642	621,642	621,642	621,642	621,642	621,642	621,642	621,642	621,642
6/30/2002	668,120	668,120	668,120	668,120	668,120	668,120	668,120	668,120	
6/30/2003	433,239	433,239	433,239	433,239	433,239	433,239	433,239		
6/30/2004	734,403	734,403	734,403	734,403	734,403	734,403			
6/30/2005	532,349	532,349	532,349	532,349	532,349				
6/30/2006	343,086	343,086	343,086	343,086					
6/30/2007	414,945	414,945	414,945						
6/30/2008	415,764	461,014							
6/30/2009	386,111								

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

<u>A.Y.E.</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2001	0.895	0.913	1.107	1.216	0.888	1.000	1.000	1.000	0.981	1.041	0.984
6/30/2002	1.233	0.977	0.974	1.074	0.999	0.966	1.000	1.000	0.996	1.000	1.000
6/30/2003	1.051	0.822	1.070	0.977	1.000	1.000	1.006	0.994	1.000	1.000	1.000
6/30/2004	1.234	1.268	1.051	0.908	1.065	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2005	1.146	1.020	1.076	0.900	1.078	0.852	1.005	0.995	1.002	1.000	1.164
6/30/2006	1.046	0.805	1.030	0.966	1.295	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2007	0.960	1.009	1.023	1.000	1.000	0.976	1.000	1.000	1.000	1.000	1.000
6/30/2008	0.917	0.902	1.008	1.121	1.000	1.060	0.943	1.000	1.000	1.000	1.000
6/30/2009	0.740	0.979	0.994	1.115	0.943	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2010	1.237	0.897	0.931	0.942	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2011	0.926	1.038	0.855	1.166	1.103	1.003	1.000	1.002	1.000		
6/30/2012	0.836	1.102	1.066	1.004	0.868	0.992	1.000	1.000			
6/30/2013	0.971	0.983	0.941	1.041	1.000	1.000	1.000				
6/30/2014	1.138	0.722	0.989	1.000	1.000	1.000					
6/30/2015	0.940	1.111	0.981	1.025	0.995						
6/30/2016	1.180	0.919	0.997	0.877							
6/30/2017	1.066	0.918	1.037								
6/30/2018	1.155	1.165									
6/30/2019	1.140										
3 Yr Mean	1.120	1.001	1.005	0.967	0.998	0.997	1.000	1.001	1.000	1.000	1.000
Best 3/5	1.120	0.983	0.989	1.010	0.998	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>			
6/30/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
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								
6/30/2007	1.000	1.000									
6/30/2008	1.109										
3 Yr Mean	1.036	1.000	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2016					0.998	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2017				1.010	0.998	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2018			0.989	1.010	0.998	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2019		0.983	0.989	1.010	0.998	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2020	1.120	0.983	0.989	1.010	0.998	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>
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.998
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.008
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.997
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.980
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.098

* Calculated Using Modified Bondy Method

@ 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

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>
6/30/2001	43,886	59,920	101,875	146,531	203,768	209,079	211,205	289,083	291,262	293,126	310,394
6/30/2002	42,413	127,506	156,474	240,527	252,237	255,725	264,290	261,495	261,614	261,614	261,614
6/30/2003	41,772	61,577	73,456	87,042	102,482	102,482	102,482	117,482	102,482	102,482	102,482
6/30/2004	71,753	251,343	188,906	199,682	191,015	174,621	174,621	174,621	174,621	174,621	174,621
6/30/2005	32,975	53,425	106,386	223,418	216,501	280,663	312,080	361,683	359,312	363,025	397,229
6/30/2006	90,669	35,677	45,599	62,704	54,787	57,099	58,745	75,551	75,789	75,789	75,789
6/30/2007	80,703	340,292	434,675	483,364	486,208	502,795	524,107	524,442	524,442	524,442	524,442
6/30/2008	29,262	47,639	51,562	69,547	117,315	136,853	172,191	208,557	244,260	248,497	252,639
6/30/2009	66,531	72,732	86,112	86,931	136,931	164,839	164,839	164,839	164,839	164,839	164,839
6/30/2010	50,562	186,652	359,943	403,075	396,781	397,631	397,631	397,631	397,631	397,631	397,631
6/30/2011	23,328	119,831	101,454	126,085	218,737	257,445	231,309	211,715	211,715	211,715	
6/30/2012	101,368	86,605	105,039	143,440	145,380	162,035	158,382	161,381	161,381		
6/30/2013	51,384	69,610	84,731	73,969	71,059	71,059	71,059	71,059			
6/30/2014	54,412	246,502	179,850	175,080	175,080	179,155	179,943				
6/30/2015	13,586	56,850	93,705	114,419	146,813	130,595					
6/30/2016	80,782	281,304	266,534	337,019	287,430						
6/30/2017	37,475	60,924	83,036	94,604							
6/30/2018	73,674	110,915	234,100								
6/30/2019	62,014	69,770									
6/30/2020	48,150										

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>
6/30/2001	296,789	296,789	296,789	296,789	296,789	296,789	296,789	296,789	296,789
6/30/2002	261,614	261,614	261,614	261,614	261,614	261,614	261,614	261,614	
6/30/2003	102,482	102,482	102,482	102,482	102,482	102,482	102,482		
6/30/2004	174,621	174,621	174,621	174,621	174,621	174,621			
6/30/2005	409,583	432,643	432,643	432,643	432,643				
6/30/2006	75,789	75,789	75,789	75,789					
6/30/2007	524,442	524,477	524,477						
6/30/2008	255,558	266,619							
6/30/2009	164,839								

PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
TENNESSEE
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>
6/30/2001	16,034	41,955	44,656	57,237	5,311	2,126	77,878	2,179	1,864	17,268	-13,605	0	0
6/30/2002	85,093	28,968	84,053	11,710	3,488	8,565	-2,795	119	0	0	0	0	0
6/30/2003	19,805	11,879	13,586	15,440	0	0	15,000	-15,000	0	0	0	0	0
6/30/2004	179,590	-62,437	10,776	-8,667	-16,394	0	0	0	0	0	0	0	0
6/30/2005	20,450	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	259,589	94,383	48,689	2,844	16,587	21,312	335	0	0	0	0	35	0
6/30/2008	18,377	3,923	17,985	47,768	19,538	35,338	36,366	35,703	4,237	4,142	2,919	11,061	
6/30/2009	6,201	13,380	819	50,000	27,908	0	0	0	0	0	0		
6/30/2010	136,090	173,291	43,132	-6,294	850	0	0	0	0	0			
6/30/2011	96,503	-18,377	24,631	92,652	38,708	-26,136	-19,594	0	0				
6/30/2012	-14,763	18,434	38,401	1,940	16,655	-3,653	2,999	0					
6/30/2013	18,226	15,121	-10,762	-2,910	0	0	0						
6/30/2014	192,090	-66,652	-4,770	0	4,075	788							
6/30/2015	43,264	36,855	20,714	32,394	-16,218								
6/30/2016	200,522	-14,770	70,485	-49,589									
6/30/2017	23,449	22,112	11,568										
6/30/2018	37,241	123,185											
6/30/2019	7,756												

	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>
6/30/2001	0.0258	0.0675	0.0718	0.0921	0.0085	0.0034	0.1253	0.0035	0.0030	0.0278	-0.0219	0.0000	0.0000
6/30/2002	0.0865	0.0295	0.0855	0.0119	0.0035	0.0087	-0.0028	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.0431	0.0259	0.0296	0.0336	0.0000	0.0000	0.0327	-0.0327	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.2151	-0.0748	0.0129	-0.0104	-0.0196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0279	0.0722	0.1596	-0.0094	0.0875	0.0428	0.0676	-0.0032	0.0051	0.0466	0.0168	0.0314	0.0000
6/30/2006	-0.1407	0.0254	0.0438	-0.0203	0.0059	0.0042	0.0430	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2007	0.3160	0.1149	0.0593	0.0035	0.0202	0.0259	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2008	0.0395	0.0084	0.0387	0.1028	0.0420	0.0760	0.0783	0.0768	0.0091	0.0089	0.0063	0.0238	
6/30/2009	0.0159	0.0343	0.0021	0.1283	0.0716	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
6/30/2010	0.2092	0.2663	0.0663	-0.0097	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000			
6/30/2011	0.0768	-0.0146	0.0196	0.0737	0.0308	-0.0208	-0.0156	0.0000	0.0000				
6/30/2012	-0.0213	0.0266	0.0555	0.0028	0.0241	-0.0053	0.0043	0.0000					
6/30/2013	0.0221	0.0183	-0.0130	-0.0035	0.0000	0.0000	0.0000						
6/30/2014	0.4677	-0.1623	-0.0116	0.0000	0.0099	0.0019							
6/30/2015	0.0565	0.0481	0.0271	0.0423	-0.0212								
6/30/2016	0.3766	-0.0277	0.1324	-0.0931									
6/30/2017	0.0316	0.0298	0.0156										
6/30/2018	0.0517	0.1710											
6/30/2019	0.0113												

Best 3/5	0.0466	0.0167	0.0103	-0.0002	0.0113	-0.0018	0.0000	0.0000	0.0000	0.0000	0.0021	0.0079	0.0000
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PREMISES/OPERATIONS (Subline Code 334)
 MANUFACTURERS AND CONTRACTORS
 FULL COVERAGE
 MULTISTATE
 BODILY INJURY - OCCURRENCE
 INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:												
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	
6/30/2001	52,344,133	111,097,429	151,724,340	167,663,816	172,369,692	168,196,056	165,227,135	164,189,834	163,655,337	163,712,335	163,406,210	
6/30/2002	51,569,152	89,509,348	118,248,359	133,612,571	133,370,123	130,163,634	128,405,180	127,465,004	127,550,917	127,330,791	127,648,267	
6/30/2003	54,635,934	88,370,852	120,586,150	132,110,806	130,061,785	126,785,305	125,950,659	125,046,392	124,522,415	124,348,669	123,938,423	
6/30/2004	59,194,900	93,722,302	125,227,308	131,860,887	128,604,124	126,935,684	124,777,494	123,953,517	123,389,789	123,439,479	123,468,656	
6/30/2005	54,137,083	88,350,594	114,941,753	121,982,430	119,108,689	115,905,827	114,469,099	114,054,751	113,754,197	113,918,101	113,969,165	
6/30/2006	60,872,150	92,942,452	115,964,456	121,172,645	119,515,617	118,593,234	119,345,808	119,387,471	118,549,976	118,150,631	117,620,674	
6/30/2007	59,873,170	89,860,573	114,064,705	119,817,901	119,508,906	119,019,052	117,805,441	117,821,409	117,774,979	117,476,627	117,648,445	
6/30/2008	64,293,613	96,279,462	124,535,613	131,430,845	130,583,567	129,541,939	129,597,048	128,910,518	128,428,548	128,348,985	128,509,070	
6/30/2009	62,882,183	100,570,980	123,105,532	133,945,772	133,439,744	132,465,469	131,905,027	131,317,617	130,759,390	130,565,854	130,894,978	
6/30/2010	68,406,839	97,772,167	126,002,316	132,912,858	133,872,091	132,254,817	131,938,053	132,147,683	132,333,722	132,153,472	132,231,419	
6/30/2011	67,886,003	107,886,333	134,658,727	146,343,494	145,281,659	143,190,727	143,034,329	142,849,481	142,748,552	142,105,594		
6/30/2012	63,975,883	95,301,311	121,469,903	128,522,864	127,857,208	127,687,642	128,416,762	128,232,155	128,430,712			
6/30/2013	54,450,916	90,779,062	110,096,943	117,438,428	120,863,338	121,304,835	121,112,305	121,122,417				
6/30/2014	66,853,838	100,005,044	131,940,156	144,990,998	145,570,207	145,122,271	144,267,959					
6/30/2015	56,707,689	90,045,510	122,230,008	132,269,506	133,922,422	133,993,955						
6/30/2016	49,340,737	82,951,241	113,237,998	124,512,790	125,884,950							
6/30/2017	55,812,678	87,945,295	118,122,776	126,358,141								
6/30/2018	59,094,749	97,970,257	125,002,609									
6/30/2019	59,527,914	96,752,907										
6/30/2020	53,652,825											

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2001	163,544,487	163,581,910	163,738,237	163,660,657	163,390,860	163,513,752	163,245,336	163,253,836	163,232,836
6/30/2002	127,154,605	127,209,369	127,071,668	127,033,973	127,050,364	127,040,930	127,213,486	127,328,291	
6/30/2003	124,254,873	124,058,254	123,782,642	123,752,941	123,747,933	123,951,432	124,026,999		
6/30/2004	123,664,487	123,644,929	123,726,793	123,722,007	123,910,118	123,959,758			
6/30/2005	114,113,163	114,098,361	114,093,070	114,096,566	114,103,800				
6/30/2006	117,711,170	118,215,559	118,175,450	118,326,160					
6/30/2007	117,533,800	117,694,637	117,835,372						
6/30/2008	128,625,257	128,815,733							
6/30/2009	130,770,628								

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.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2001	2.122	1.366	1.105	1.028	0.976	0.982	0.994	0.997	1.000	0.998	1.001
6/30/2002	1.736	1.321	1.130	0.998	0.976	0.986	0.993	1.001	0.998	1.002	0.996
6/30/2003	1.617	1.365	1.096	0.984	0.975	0.993	0.993	0.996	0.999	0.997	1.003
6/30/2004	1.583	1.336	1.053	0.975	0.987	0.983	0.993	0.995	1.000	1.000	1.002
6/30/2005	1.632	1.301	1.061	0.976	0.973	0.988	0.996	0.997	1.001	1.000	1.001
6/30/2006	1.527	1.248	1.045	0.986	0.992	1.006	1.000	0.993	0.997	0.996	1.001
6/30/2007	1.501	1.269	1.050	0.997	0.996	0.990	1.000	1.000	0.997	1.001	0.999
6/30/2008	1.497	1.293	1.055	0.994	0.992	1.000	0.995	0.996	0.999	1.001	1.001
6/30/2009	1.599	1.224	1.088	0.996	0.993	0.996	0.996	0.996	0.999	1.003	0.999
6/30/2010	1.429	1.289	1.055	1.007	0.988	0.998	1.002	1.001	0.999	1.001	
6/30/2011	1.589	1.248	1.087	0.993	0.986	0.999	0.999	0.999	0.995		
6/30/2012	1.490	1.275	1.058	0.995	0.999	1.006	0.999	1.002			
6/30/2013	1.667	1.213	1.067	1.029	1.004	0.998	1.000				
6/30/2014	1.496	1.319	1.099	1.004	0.997	0.994					
6/30/2015	1.588	1.357	1.082	1.012	1.001						
6/30/2016	1.681	1.365	1.100	1.011							
6/30/2017	1.576	1.343	1.070								
6/30/2018	1.658	1.276									
6/30/2019	1.625										

3 Yr Mean	1.620	1.328	1.084	1.009	1.001	0.999	0.999	1.001	0.998	1.002	1.000
Best 3/5	1.624	1.340	1.084	1.009	0.999	0.998	0.999	0.999	0.998	1.001	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2001	1.000	1.001	1.000	0.998	1.001	0.998	1.000	1.000
6/30/2002	1.000	0.999	1.000	1.000	1.000	1.001	1.001	1.000 *
6/30/2003	0.998	0.998	1.000	1.000	1.002	1.001	1.000 *	1.000 *
6/30/2004	1.000	1.001	1.000	1.002	1.000	1.000 *	1.000 *	1.000 *
6/30/2005	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2006	1.004	1.000	1.001					
6/30/2007	1.001	1.001						
6/30/2008	1.001							

3 Yr Mean	1.002	1.000	1.000	1.001	1.001 @	1.000 @	1.001 @	1.000 @
Best 3/5	1.001	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
6/30/2016					0.999	0.998	0.999	0.999	0.998	1.001	1.000
6/30/2017				1.009	0.999	0.998	0.999	0.999	0.998	1.001	1.000
6/30/2018			1.084	1.009	0.999	0.998	0.999	0.999	0.998	1.001	1.000
6/30/2019		1.340	1.084	1.009	0.999	0.998	0.999	0.999	0.998	1.001	1.000
6/30/2020	1.624	1.340	1.084	1.009	0.999	0.998	0.999	0.999	0.998	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
6/30/2016	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.995
6/30/2017	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.004
6/30/2018	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.088
6/30/2019	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.458
6/30/2020	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	2.368

* Calculated Using Modified Bondy Method

@ 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:											
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
6/30/2001	5,347,825	11,513,035	15,832,045	14,311,826	14,351,648	15,914,260	15,828,234	15,330,607	14,939,074	15,104,206	15,098,358
6/30/2002	5,332,606	10,437,857	13,713,765	15,403,121	15,148,784	15,606,065	14,828,284	15,124,254	14,876,383	15,062,992	14,958,581
6/30/2003	7,648,961	10,441,160	13,917,045	16,381,854	17,050,453	16,016,658	15,820,030	15,477,369	15,466,254	15,181,403	15,639,167
6/30/2004	6,797,598	11,837,370	15,468,313	18,082,307	16,756,774	16,982,864	15,776,735	15,839,612	15,477,275	15,646,313	15,502,313
6/30/2005	7,183,665	12,665,143	15,853,994	15,969,006	16,608,297	16,065,153	15,707,151	15,471,875	15,187,566	14,933,805	14,988,913
6/30/2006	9,321,841	13,883,299	18,547,968	20,126,620	18,918,103	18,691,172	18,774,614	18,632,129	18,622,582	18,437,176	18,682,104
6/30/2007	9,386,914	14,045,412	16,975,434	19,325,173	18,774,466	18,821,326	18,466,842	18,767,660	18,873,961	18,983,886	18,972,451
6/30/2008	11,143,249	14,837,373	18,604,481	20,392,774	20,682,019	19,626,043	20,171,827	19,987,164	20,060,751	20,086,087	19,989,514
6/30/2009	7,033,925	13,637,446	16,093,327	16,658,141	17,714,738	17,511,810	17,635,732	17,396,052	17,636,113	17,768,717	17,934,442
6/30/2010	10,375,187	13,992,415	16,840,965	18,436,678	19,138,628	19,546,079	19,277,081	18,945,441	18,971,368	18,844,368	18,737,816
6/30/2011	10,602,956	15,341,815	18,745,795	20,095,191	19,950,685	20,044,240	20,061,072	19,837,221	19,891,108	19,864,009	
6/30/2012	8,304,174	14,767,545	19,312,211	20,542,491	20,724,740	20,683,692	20,886,665	20,818,381	20,968,050		
6/30/2013	8,566,147	14,860,825	16,614,349	18,477,955	18,713,028	18,746,091	18,556,717	18,557,879			
6/30/2014	10,806,071	16,783,135	20,564,086	23,608,678	24,449,852	24,800,365	24,650,404				
6/30/2015	8,823,508	15,539,495	21,477,929	25,007,705	25,326,001	25,689,202					
6/30/2016	8,766,347	14,119,671	20,615,079	22,827,266	23,094,219						
6/30/2017	9,849,595	15,335,209	20,942,150	23,955,509							
6/30/2018	11,811,531	19,404,182	26,418,231								
6/30/2019	9,053,561	16,175,779									
6/30/2020	7,179,279										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2001	14,995,218	15,215,601	15,238,505	15,199,305	15,196,804	15,199,804	15,202,305	15,299,305	15,320,305
6/30/2002	15,540,244	15,586,743	15,589,243	15,581,142	15,653,142	15,653,142	15,650,142	15,750,142	
6/30/2003	15,821,667	15,716,304	15,717,804	15,716,304	15,716,304	15,716,304	15,710,105		
6/30/2004	15,493,895	15,562,395	15,487,395	15,523,895	15,523,895	15,523,895			
6/30/2005	14,954,336	14,928,703	15,006,203	15,006,203	15,006,203				
6/30/2006	18,747,106	18,687,804	18,687,805	18,693,555					
6/30/2007	19,239,466	19,235,415	19,234,066						
6/30/2008	19,899,014	19,897,764							
6/30/2009	17,814,708								

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.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2001	2.153	1.375	0.904	1.003	1.109	0.995	0.969	0.974	1.011	1.000	0.993
6/30/2002	1.957	1.314	1.123	0.983	1.030	0.950	1.020	0.984	1.013	0.993	1.039
6/30/2003	1.365	1.333	1.177	1.041	0.939	0.988	0.978	0.999	0.982	1.030	1.012
6/30/2004	1.741	1.307	1.169	0.927	1.013	0.929	1.004	0.977	1.011	0.991	0.999
6/30/2005	1.763	1.252	1.007	1.040	0.967	0.978	0.985	0.982	0.983	1.004	0.998
6/30/2006	1.489	1.336	1.085	0.940	0.988	1.004	0.992	0.999	0.990	1.013	1.003
6/30/2007	1.496	1.209	1.138	0.972	1.002	0.981	1.016	1.006	1.006	0.999	1.014
6/30/2008	1.332	1.254	1.096	1.014	0.949	1.028	0.991	1.004	1.001	0.995	0.995
6/30/2009	1.939	1.180	1.035	1.063	0.989	1.007	0.986	1.014	1.008	1.009	0.993
6/30/2010	1.349	1.204	1.095	1.038	1.021	0.986	0.983	1.001	0.993	0.994	
6/30/2011	1.447	1.222	1.072	0.993	1.005	1.001	0.989	1.003	0.999		
6/30/2012	1.778	1.308	1.064	1.009	0.998	1.010	0.997	1.007			
6/30/2013	1.735	1.118	1.112	1.013	1.002	0.990	1.000				
6/30/2014	1.553	1.225	1.148	1.036	1.014	0.994					
6/30/2015	1.761	1.382	1.164	1.013	1.014						
6/30/2016	1.611	1.460	1.107	1.012							
6/30/2017	1.557	1.366	1.144								
6/30/2018	1.643	1.361									
6/30/2019	1.787										

3 Yr Mean	1.662	1.396	1.138	1.020	1.010	0.998	0.995	1.004	1.000	0.999	1.001
Best 3/5	1.672	1.370	1.135	1.013	1.007	0.995	0.991	1.005	1.002	1.001	0.999

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2001	1.015	1.002	0.997	1.000	1.000	1.000	1.006	1.001
6/30/2002	1.003	1.000	0.999	1.005	1.000	1.000	1.006	1.002 *
6/30/2003	0.993	1.000	1.000	1.000	1.000	1.000	1.000 *	1.002 *
6/30/2004	1.004	0.995	1.002	1.000	1.000	1.000 *	1.000 *	1.002 *
6/30/2005	0.998	1.005	1.000	1.000	1.000 *	1.000 *	1.000 *	1.002 *
6/30/2006	0.997	1.000	1.000					
6/30/2007	1.000	1.000						
6/30/2008	1.000							

3 Yr Mean	0.999	1.002	1.001	1.000	1.000 @	1.000 @	1.006 @	1.001 @
Best 3/5	0.999	1.000	1.000	1.000	1.000 *	1.000 *	1.002 *	1.002 *

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
6/30/2016					1.007	0.995	0.991	1.005	1.002	1.001	0.999
6/30/2017				1.013	1.007	0.995	0.991	1.005	1.002	1.001	0.999
6/30/2018			1.135	1.013	1.007	0.995	0.991	1.005	1.002	1.001	0.999
6/30/2019		1.370	1.135	1.013	1.007	0.995	0.991	1.005	1.002	1.001	0.999
6/30/2020	1.672	1.370	1.135	1.013	1.007	0.995	0.991	1.005	1.002	1.001	0.999

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2016	0.999	1.000	1.000	1.000	1.000	1.000	1.002	1.002	1.008*	1.011
6/30/2017	0.999	1.000	1.000	1.000	1.000	1.000	1.002	1.002	1.008*	1.024
6/30/2018	0.999	1.000	1.000	1.000	1.000	1.000	1.002	1.002	1.008*	1.162
6/30/2019	0.999	1.000	1.000	1.000	1.000	1.000	1.002	1.002	1.008*	1.592
6/30/2020	0.999	1.000	1.000	1.000	1.000	1.000	1.002	1.002	1.008*	2.662

* Calculated Using Modified Bondy Method

@ 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>
6/30/2001	9,052,470	25,840,007	52,122,404	75,751,646	91,271,072	97,452,355	100,464,507	102,597,728	103,954,818	104,738,556	106,526,162
6/30/2002	10,320,061	25,146,694	47,402,345	69,037,558	79,182,973	83,300,797	89,544,790	90,813,847	91,152,971	92,258,418	92,236,116
6/30/2003	10,176,086	25,928,191	45,876,335	64,535,771	72,884,738	79,003,356	81,042,262	82,695,077	83,713,266	84,320,098	84,400,777
6/30/2004	8,886,397	21,732,223	43,151,133	60,181,956	68,768,286	76,073,510	77,997,153	79,527,530	79,917,836	80,464,911	80,740,861
6/30/2005	8,558,390	22,049,610	39,688,332	56,191,880	65,808,746	69,105,899	70,834,465	71,933,545	73,614,239	73,852,716	74,111,925
6/30/2006	6,935,884	21,969,003	43,332,687	59,087,945	70,102,077	75,443,570	80,869,742	83,446,727	84,276,233	86,145,467	86,319,287
6/30/2007	8,226,896	23,480,162	45,131,108	61,600,471	69,717,144	74,262,989	76,198,076	77,439,616	77,928,417	78,433,151	78,469,567
6/30/2008	8,716,691	23,462,202	49,763,685	69,403,095	82,123,148	87,804,024	92,373,513	93,782,947	94,728,393	95,383,584	95,783,355
6/30/2009	9,511,756	24,280,581	46,635,525	65,955,124	77,049,818	86,819,186	89,235,151	90,468,837	90,972,089	91,541,578	92,593,409
6/30/2010	11,628,720	28,718,550	56,967,732	81,439,791	93,492,900	99,176,172	101,287,074	103,386,367	104,005,503	104,276,724	104,792,135
6/30/2011	12,015,992	36,019,223	58,853,001	82,088,656	94,219,913	106,557,999	108,010,108	109,502,933	110,616,227	110,563,212	
6/30/2012	12,436,404	29,678,526	56,920,929	78,902,152	92,848,654	97,682,203	102,951,887	104,219,263	105,193,244		
6/30/2013	10,150,013	27,611,432	51,680,033	73,880,583	85,389,927	91,751,927	94,356,694	95,144,131			
6/30/2014	12,533,795	30,119,641	60,033,839	85,127,328	96,179,150	103,623,963	106,666,793				
6/30/2015	13,011,122	28,357,851	56,072,742	76,080,752	85,934,837	91,957,387					
6/30/2016	10,394,892	27,473,041	52,350,938	75,661,787	89,948,564						
6/30/2017	11,683,604	29,495,229	55,764,582	73,107,985							
6/30/2018	11,660,630	31,067,104	58,864,508								
6/30/2019	11,816,011	32,377,124									
6/30/2020	11,616,947										

<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>
6/30/2001	107,547,508	107,622,986	108,486,421	109,189,664	109,481,391	110,239,572	111,087,242	111,288,825	111,366,106
6/30/2002	92,426,361	92,949,245	93,179,847	93,262,610	93,336,745	93,470,995	93,682,377	93,694,637	
6/30/2003	84,673,259	85,178,255	85,278,599	85,498,068	85,524,525	85,580,484	85,645,943		
6/30/2004	80,754,413	80,752,318	80,796,213	80,531,440	80,532,915	80,531,998			
6/30/2005	74,245,279	74,811,099	74,933,453	75,255,311	75,454,238				
6/30/2006	87,005,123	87,334,926	88,280,613	88,404,780					
6/30/2007	78,636,452	78,637,350	78,792,724						
6/30/2008	95,763,835	96,447,542							
6/30/2009	91,992,804								

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
6/30/2001	16,787,537	26,282,397	23,629,242	15,519,426	6,181,283	3,012,152	2,133,221	1,357,090	783,738	1,787,606	1,021,346	75,478	863,435
6/30/2002	14,826,633	22,255,651	21,635,213	10,145,415	4,117,824	6,243,993	1,269,057	339,124	1,105,447	-22,302	190,245	522,884	230,602
6/30/2003	15,752,105	19,948,144	18,659,436	8,348,967	6,118,618	2,038,906	1,652,815	1,018,189	606,832	80,679	272,482	504,996	100,344
6/30/2004	12,845,826	21,418,910	17,030,823	8,586,330	7,305,224	1,923,643	1,530,377	390,306	547,075	275,950	13,552	-2,095	43,895
6/30/2005	13,491,220	17,638,722	16,503,548	9,616,866	3,297,153	1,728,566	1,099,080	1,680,694	238,477	259,209	133,354	565,820	122,354
6/30/2006	15,033,119	21,363,684	15,755,258	11,014,132	5,341,493	5,426,172	2,576,985	829,506	1,869,234	173,820	685,836	329,803	945,687
6/30/2007	15,253,266	21,650,946	16,469,363	8,116,673	4,545,845	1,935,087	1,241,540	488,801	504,734	36,416	166,885	898	155,374
6/30/2008	14,745,511	26,301,483	19,639,410	12,720,053	5,680,876	4,569,489	1,409,434	945,446	655,191	399,771	-19,520	683,707	
6/30/2009	14,768,825	22,354,944	19,319,599	11,094,694	9,769,368	2,415,965	1,233,686	503,252	569,489	1,051,831	-600,605		
6/30/2010	17,089,830	28,249,182	24,472,059	12,053,109	5,683,272	2,110,902	2,099,293	619,136	271,221	515,411			
6/30/2011	24,003,231	22,833,778	23,235,655	12,131,257	12,338,086	1,452,109	1,492,825	1,113,294	-53,015				
6/30/2012	17,242,122	27,242,403	21,981,223	13,946,502	4,833,549	5,269,684	1,267,376	973,981					
6/30/2013	17,461,419	24,068,601	22,200,550	11,509,344	6,362,000	2,604,767	787,437						
6/30/2014	17,585,846	29,914,198	25,093,489	11,051,822	7,444,813	3,042,830							
6/30/2015	15,346,729	27,714,891	20,008,010	9,854,085	6,022,550								
6/30/2016	17,078,149	24,877,897	23,310,849	14,286,777									
6/30/2017	17,811,625	26,269,353	17,343,403										
6/30/2018	19,406,474	27,797,404											
6/30/2019	20,561,113												

	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
6/30/2001	0.0568	0.0888	0.0799	0.0525	0.0209	0.0102	0.0072	0.0046	0.0026	0.0060	0.0035	0.0003	0.0029
6/30/2002	0.0633	0.0950	0.0924	0.0433	0.0176	0.0267	0.0054	0.0014	0.0047	-0.0001	0.0008	0.0022	0.0010
6/30/2003	0.0679	0.0860	0.0805	0.0360	0.0264	0.0088	0.0071	0.0044	0.0026	0.0003	0.0012	0.0022	0.0004
6/30/2004	0.0551	0.0919	0.0731	0.0368	0.0313	0.0083	0.0066	0.0017	0.0023	0.0012	0.0001	0.0000	0.0002
6/30/2005	0.0646	0.0844	0.0790	0.0460	0.0158	0.0083	0.0053	0.0080	0.0011	0.0012	0.0006	0.0027	0.0006
6/30/2006	0.0668	0.0950	0.0701	0.0490	0.0238	0.0241	0.0115	0.0037	0.0083	0.0008	0.0030	0.0015	0.0042
6/30/2007	0.0664	0.0942	0.0716	0.0353	0.0198	0.0084	0.0054	0.0021	0.0022	0.0002	0.0007	0.0000	0.0007
6/30/2008	0.0574	0.1025	0.0765	0.0496	0.0221	0.0178	0.0055	0.0037	0.0026	0.0016	-0.0001	0.0027	
6/30/2009	0.0582	0.0880	0.0761	0.0437	0.0385	0.0095	0.0049	0.0020	0.0022	0.0041	-0.0024		
6/30/2010	0.0705	0.1165	0.1010	0.0497	0.0234	0.0087	0.0087	0.0026	0.0011	0.0021			
6/30/2011	0.0865	0.0823	0.0837	0.0437	0.0445	0.0052	0.0054	0.0040	-0.0002				
6/30/2012	0.0675	0.1067	0.0861	0.0546	0.0189	0.0206	0.0050	0.0038					
6/30/2013	0.0708	0.0976	0.0900	0.0467	0.0258	0.0106	0.0032						
6/30/2014	0.0603	0.1025	0.0860	0.0379	0.0255	0.0104							
6/30/2015	0.0572	0.1033	0.0745	0.0367	0.0224								
6/30/2016	0.0659	0.0960	0.0899	0.0551									
6/30/2017	0.0656	0.0968	0.0639										
6/30/2018	0.0677	0.0970											
6/30/2019	0.0688												

Best 3/5	0.0664	0.0988	0.0835	0.0464	0.0246	0.0099	0.0051	0.0034	0.0019	0.0015	0.0004	0.0014	0.0006
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PREMISES/OPERATIONS (Subline Code 334)
 MANUFACTURERS AND CONTRACTORS
 FULL COVERAGE
 MULTISTATE
 PROPERTY DAMAGE - OCCURRENCE
 INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:												
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	
6/30/2001	109,210,249	116,506,810	127,349,855	132,339,755	132,792,054	133,297,147	134,027,079	133,866,958	134,381,601	134,836,314	135,579,521	
6/30/2002	91,185,832	104,610,416	109,751,266	111,606,134	111,402,560	112,398,037	112,071,525	112,207,751	112,336,354	112,818,695	113,174,228	
6/30/2003	78,673,194	87,707,848	92,284,305	94,271,800	93,938,308	94,539,824	94,817,587	95,998,312	96,091,497	96,246,990	96,475,600	
6/30/2004	88,595,798	101,106,889	105,578,721	105,995,380	106,799,582	107,093,846	107,085,611	107,585,132	107,889,452	108,088,176	108,348,146	
6/30/2005	93,640,009	100,569,217	100,958,390	102,941,195	103,378,808	103,308,648	103,865,799	104,785,954	105,178,115	105,609,042	105,800,900	
6/30/2006	94,044,451	102,040,222	104,459,409	105,785,209	107,170,760	108,147,925	108,684,691	109,128,665	109,088,724	109,795,024	109,770,529	
6/30/2007	97,099,614	106,144,220	108,567,204	109,906,978	111,666,623	112,692,821	113,537,742	114,154,307	115,055,329	115,367,562	115,361,705	
6/30/2008	103,454,788	112,741,019	114,950,152	116,602,471	118,607,634	119,628,387	120,489,878	121,196,783	121,845,753	122,245,171	123,310,746	
6/30/2009	103,103,418	111,102,988	114,526,871	117,488,655	117,510,696	118,398,333	118,730,221	119,296,914	120,859,148	121,501,028	121,721,125	
6/30/2010	96,632,703	105,755,704	108,490,954	110,461,394	111,928,655	111,977,580	112,756,966	112,895,148	113,476,735	113,585,924	113,967,352	
6/30/2011	108,735,827	117,707,966	120,974,402	121,525,305	122,398,238	123,133,566	123,892,660	124,761,289	125,283,098	125,260,155		
6/30/2012	113,547,562	121,739,047	124,306,518	125,103,562	126,258,195	127,030,134	127,999,259	128,798,422	128,865,028			
6/30/2013	103,673,518	113,408,665	118,186,413	119,836,171	120,969,540	121,770,098	122,593,315	123,092,492				
6/30/2014	102,163,348	111,374,804	116,682,692	118,760,684	120,195,306	121,412,231	122,654,576					
6/30/2015	100,309,188	111,052,397	118,357,295	122,850,934	124,117,576	125,833,105						
6/30/2016	103,734,987	116,858,189	122,330,720	125,337,393	127,449,187							
6/30/2017	110,137,847	124,061,729	130,507,089	133,189,686								
6/30/2018	115,404,075	130,736,840	137,347,200									
6/30/2019	114,575,704	130,537,592										
6/30/2020	107,893,835											

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2001	135,569,081	135,494,800	135,641,129	135,711,993	135,923,553	136,115,242	136,418,455	136,548,168	136,856,564
6/30/2002	113,177,971	113,407,466	113,836,991	114,341,695	114,430,822	114,254,947	114,799,503	114,501,645	
6/30/2003	97,047,072	97,120,427	97,326,313	97,417,462	97,526,641	97,621,930	97,639,281		
6/30/2004	108,666,107	108,783,321	109,213,324	109,415,643	109,449,493	109,807,268			
6/30/2005	105,944,491	106,314,090	106,345,405	106,364,488	106,301,562				
6/30/2006	109,967,442	110,768,919	110,794,662	110,725,951					
6/30/2007	115,589,493	115,595,605	115,517,941						
6/30/2008	123,573,934	123,567,148							
6/30/2009	121,880,750								

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.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2001	1.067	1.093	1.039	1.003	1.004	1.005	0.999	1.004	1.003	1.006	1.000
6/30/2002	1.147	1.049	1.017	0.998	1.009	0.997	1.001	1.001	1.004	1.003	1.000
6/30/2003	1.115	1.052	1.022	0.996	1.006	1.003	1.012	1.001	1.002	1.002	1.006
6/30/2004	1.141	1.044	1.004	1.008	1.003	1.000	1.005	1.003	1.002	1.002	1.003
6/30/2005	1.074	1.004	1.020	1.004	0.999	1.005	1.009	1.004	1.004	1.002	1.001
6/30/2006	1.085	1.024	1.013	1.013	1.009	1.005	1.004	1.000	1.006	1.000	1.002
6/30/2007	1.093	1.023	1.012	1.016	1.009	1.007	1.005	1.008	1.003	1.000	1.002
6/30/2008	1.090	1.020	1.014	1.017	1.009	1.007	1.006	1.005	1.003	1.009	1.002
6/30/2009	1.078	1.031	1.026	1.000	1.008	1.003	1.005	1.013	1.005	1.002	1.001
6/30/2010	1.094	1.026	1.018	1.013	1.000	1.007	1.001	1.005	1.001	1.003	
6/30/2011	1.083	1.028	1.005	1.007	1.006	1.006	1.007	1.004	1.000		
6/30/2012	1.072	1.021	1.006	1.009	1.006	1.008	1.006	1.001			
6/30/2013	1.094	1.042	1.014	1.009	1.007	1.007	1.004				
6/30/2014	1.090	1.048	1.018	1.012	1.010	1.010					
6/30/2015	1.107	1.066	1.038	1.010	1.014						
6/30/2016	1.127	1.047	1.025	1.017							
6/30/2017	1.126	1.052	1.021								
6/30/2018	1.133	1.051									
6/30/2019	1.139										

3 Yr Mean	1.133	1.050	1.028	1.013	1.010	1.008	1.006	1.003	1.002	1.005	1.002
Best 3/5	1.129	1.050	1.021	1.010	1.008	1.007	1.005	1.005	1.002	1.002	1.002

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2001	0.999	1.001	1.001	1.002	1.001	1.002	1.001	1.002
6/30/2002	1.002	1.004	1.004	1.001	0.998	1.005	0.997	1.001 *
6/30/2003	1.001	1.002	1.001	1.001	1.001	1.000	1.001 *	1.001 *
6/30/2004	1.001	1.004	1.002	1.000	1.003	1.001 *	1.001 *	1.001 *
6/30/2005	1.003	1.000	1.000	0.999	1.001 *	1.001 *	1.001 *	1.001 *
6/30/2006	1.007	1.000	0.999					
6/30/2007	1.000	0.999						
6/30/2008	1.000							

3 Yr Mean	1.002	1.000	1.000	1.000	1.001 @	1.002 @	0.999 @	1.002 @
Best 3/5	1.001	1.001	1.001	1.001	1.001 *	1.001 *	1.001 *	1.001 *

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2016					1.008	1.007	1.005	1.005	1.002	1.002	1.002
6/30/2017				1.010	1.008	1.007	1.005	1.005	1.002	1.002	1.002
6/30/2018			1.021	1.010	1.008	1.007	1.005	1.005	1.002	1.002	1.002
6/30/2019		1.050	1.021	1.010	1.008	1.007	1.005	1.005	1.002	1.002	1.002
6/30/2020	1.129	1.050	1.021	1.010	1.008	1.007	1.005	1.005	1.002	1.002	1.002

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2016	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.044
6/30/2017	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.054
6/30/2018	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.076
6/30/2019	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.130
6/30/2020	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.276

* Calculated Using Modified Bondy Method

@ 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:											
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
6/30/2001	20,428,156	25,391,915	27,823,184	29,290,075	29,680,768	30,012,385	30,281,533	30,984,899	31,479,126	31,451,530	31,163,873
6/30/2002	18,827,468	23,160,914	23,300,079	23,541,453	23,829,166	25,065,578	25,018,761	25,676,332	25,655,144	25,721,206	25,718,353
6/30/2003	19,880,768	21,679,471	21,835,664	22,415,057	23,569,537	23,467,914	23,957,827	24,174,028	24,368,126	24,573,000	24,603,339
6/30/2004	19,997,680	22,866,733	24,899,811	25,139,722	25,328,424	25,844,354	26,028,013	26,180,005	26,262,088	26,339,873	26,497,996
6/30/2005	21,049,509	23,944,173	25,700,930	26,256,998	26,338,755	26,037,953	26,313,662	26,447,914	26,912,795	27,098,960	27,195,137
6/30/2006	20,881,135	24,265,121	25,293,172	25,617,032	25,397,726	25,681,753	25,888,118	26,091,509	26,237,322	26,635,293	26,601,035
6/30/2007	24,860,854	26,513,967	27,633,982	27,585,114	27,483,424	27,233,380	27,594,591	27,479,469	27,522,885	27,644,203	27,694,114
6/30/2008	25,855,431	28,796,968	30,118,262	30,852,189	30,297,509	30,783,809	30,941,749	30,915,522	31,359,990	31,484,815	31,627,864
6/30/2009	27,069,163	27,403,945	28,545,602	28,753,946	28,579,841	28,563,278	28,294,050	28,624,814	28,851,738	29,032,318	29,031,486
6/30/2010	21,137,130	22,923,853	23,213,495	23,504,578	23,497,435	23,619,910	24,244,201	24,139,899	24,313,734	24,291,647	24,315,591
6/30/2011	22,607,999	23,526,194	24,372,606	24,127,125	24,323,958	24,544,325	24,624,458	25,112,547	24,895,405	24,950,409	
6/30/2012	21,525,198	23,718,271	24,497,547	24,717,806	24,691,473	24,878,471	25,074,135	25,060,529	25,126,778		
6/30/2013	20,331,122	22,696,451	23,721,973	23,703,418	23,275,260	23,247,254	23,307,123	23,335,837			
6/30/2014	22,023,991	23,959,969	24,437,722	24,851,503	25,062,559	25,318,652	25,357,184				
6/30/2015	23,570,866	26,080,315	26,966,692	27,746,765	27,904,017	27,782,247					
6/30/2016	24,440,129	26,431,001	27,531,141	26,780,605	27,230,185						
6/30/2017	21,614,267	24,998,270	27,051,696	27,585,997							
6/30/2018	24,847,632	26,822,566	29,186,155								
6/30/2019	23,034,109	27,462,040									
6/30/2020	18,913,492										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2001	31,340,669	31,514,228	31,623,496	31,631,988	31,531,801	31,564,301	31,577,579	31,585,212	31,585,212		
6/30/2002	25,902,410	25,943,939	25,782,023	25,648,106	25,641,270	25,553,509	25,540,822	25,540,821			
6/30/2003	24,671,936	24,612,878	24,566,831	24,653,647	24,613,075	24,620,349	24,619,848				
6/30/2004	26,486,324	26,453,641	26,473,689	26,472,478	26,577,281	26,592,281					
6/30/2005	27,074,801	27,253,680	27,319,172	27,166,159	27,136,067						
6/30/2006	26,783,013	26,706,462	26,720,087	26,753,943							
6/30/2007	27,790,607	27,782,388	27,826,096								
6/30/2008	31,577,965	31,799,129									
6/30/2009	29,137,787										

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.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2001	1.243	1.096	1.053	1.013	1.011	1.009	1.023	1.016	0.999	0.991	1.006
6/30/2002	1.230	1.006	1.010	1.012	1.052	0.998	1.026	0.999	1.003	1.000	1.007
6/30/2003	1.090	1.007	1.027	1.052	0.996	1.021	1.009	1.008	1.008	1.001	1.003
6/30/2004	1.143	1.089	1.010	1.008	1.020	1.007	1.006	1.003	1.003	1.006	1.000
6/30/2005	1.138	1.073	1.022	1.003	0.989	1.011	1.005	1.018	1.007	1.004	0.996
6/30/2006	1.162	1.042	1.013	0.991	1.011	1.008	1.008	1.006	1.015	0.999	1.007
6/30/2007	1.066	1.042	0.998	0.996	0.991	1.013	0.996	1.002	1.004	1.002	1.003
6/30/2008	1.114	1.046	1.024	0.982	1.016	1.005	0.999	1.014	1.004	1.005	0.998
6/30/2009	1.012	1.042	1.007	0.994	0.999	0.991	1.012	1.008	1.006	1.000	1.004
6/30/2010	1.085	1.013	1.013	1.000	1.005	1.026	0.996	1.007	0.999	1.001	
6/30/2011	1.041	1.036	0.990	1.008	1.009	1.003	1.020	0.991	1.002		
6/30/2012	1.102	1.033	1.009	0.999	1.008	1.008	0.999	1.003			
6/30/2013	1.116	1.045	0.999	0.982	0.999	1.003	1.001				
6/30/2014	1.088	1.020	1.017	1.008	1.010	1.002					
6/30/2015	1.106	1.034	1.029	1.006	0.996						
6/30/2016	1.081	1.042	0.973	1.017							
6/30/2017	1.157	1.082	1.020								
6/30/2018	1.079	1.088									
6/30/2019	1.192										

3 Yr Mean 1.143 1.071 1.007 1.010 1.002 1.004 1.007 1.000 1.002 1.002 1.002

Best 3/5 1.115 1.053 1.012 1.004 1.005 1.005 1.004 1.006 1.003 1.001 1.002

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2001	1.006	1.003	1.000	0.997	1.001	1.000	1.000	1.000
6/30/2002	1.002	0.994	0.995	1.000	0.997	1.000	1.000	1.000 *
6/30/2003	0.998	0.998	1.004	0.998	1.000	1.000	1.000 *	1.000 *
6/30/2004	0.999	1.001	1.000	1.004	1.001	1.000 *	1.000 *	1.000 *
6/30/2005	1.007	1.002	0.994	0.999	0.999 *	1.000 *	1.000 *	1.000 *
6/30/2006	0.997	1.001	1.001					
6/30/2007	1.000	1.002						
6/30/2008	1.007							

3 Yr Mean 1.001 1.002 0.998 1.000 0.999 @ 1.000 @ 1.000 @ 1.000 @

Best 3/5 1.002 1.001 0.999 0.999 1.000 * 1.000 * 1.000 * 1.000 *

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
6/30/2016					1.005	1.005	1.004	1.006	1.003	1.001	1.002
6/30/2017				1.004	1.005	1.005	1.004	1.006	1.003	1.001	1.002
6/30/2018			1.012	1.004	1.005	1.005	1.004	1.006	1.003	1.001	1.002
6/30/2019		1.053	1.012	1.004	1.005	1.005	1.004	1.006	1.003	1.001	1.002
6/30/2020	1.115	1.053	1.012	1.004	1.005	1.005	1.004	1.006	1.003	1.001	1.002

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2016	1.002	1.001	0.999	0.999	1.000	1.000	1.000	1.000	1.000*	1.027
6/30/2017	1.002	1.001	0.999	0.999	1.000	1.000	1.000	1.000	1.000*	1.031
6/30/2018	1.002	1.001	0.999	0.999	1.000	1.000	1.000	1.000	1.000*	1.044
6/30/2019	1.002	1.001	0.999	0.999	1.000	1.000	1.000	1.000	1.000*	1.099
6/30/2020	1.002	1.001	0.999	0.999	1.000	1.000	1.000	1.000	1.000*	1.226

* Calculated Using Modified Bondy Method

@ 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>
6/30/2001	10,324,251	15,095,929	24,818,254	35,521,566	46,163,386	52,136,126	57,275,689	60,387,637	62,126,778	63,036,242	64,814,682
6/30/2002	7,552,704	14,762,911	21,202,582	28,118,144	34,253,296	39,148,787	41,637,392	42,840,822	44,252,740	44,487,683	45,026,699
6/30/2003	7,750,082	14,007,247	20,846,803	27,657,739	32,839,093	33,674,869	37,346,208	38,037,242	38,950,995	40,153,451	41,231,791
6/30/2004	6,705,511	13,432,281	21,347,905	28,747,210	32,675,644	35,546,356	36,497,103	37,785,126	39,051,360	39,857,831	40,422,868
6/30/2005	7,983,735	12,898,444	18,779,502	25,216,079	29,863,321	32,781,602	35,678,228	37,093,925	38,397,634	38,950,183	39,282,504
6/30/2006	7,850,944	13,756,864	21,476,024	27,586,514	32,834,968	37,036,688	39,455,795	41,501,330	42,918,565	44,119,558	45,080,596
6/30/2007	7,216,558	13,351,785	20,933,278	27,408,391	32,868,393	37,309,546	39,720,451	41,371,468	43,583,177	44,394,311	46,177,811
6/30/2008	8,870,063	16,807,502	25,587,841	32,668,710	38,335,614	40,166,056	42,062,247	44,936,222	46,876,865	47,472,424	48,464,361
6/30/2009	7,869,246	14,502,819	21,885,225	29,234,492	34,452,325	36,840,855	38,738,908	40,531,827	41,649,212	42,734,844	43,548,836
6/30/2010	8,784,323	17,648,371	23,522,667	31,103,486	35,292,669	37,151,064	40,343,486	41,359,070	42,870,069	43,686,767	44,075,445
6/30/2011	9,259,615	15,344,731	23,613,685	29,679,265	33,000,715	35,655,108	37,655,005	39,278,258	41,182,086	41,823,616	
6/30/2012	10,762,210	16,678,243	23,004,092	25,990,606	30,055,860	32,459,561	33,017,562	34,352,010	35,659,042		
6/30/2013	10,699,849	18,160,847	27,461,995	38,571,371	44,214,936	48,017,659	49,499,892	51,171,980			
6/30/2014	10,076,082	19,572,864	30,040,627	36,237,606	44,011,366	47,742,351	50,492,254				
6/30/2015	8,442,518	16,531,405	25,322,890	34,003,611	43,732,299	48,797,129					
6/30/2016	13,090,553	20,832,129	27,964,248	34,599,147	40,825,358						
6/30/2017	10,162,148	16,793,591	24,483,461	30,204,718							
6/30/2018	10,587,262	19,199,651	27,942,651								
6/30/2019	11,857,092	19,552,145									
6/30/2020	13,320,079										

<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>
6/30/2001	66,273,483	66,090,305	65,749,659	66,103,838	67,362,741	67,630,141	66,918,421	67,211,003	69,343,363
6/30/2002	45,713,864	45,933,527	46,910,616	47,141,174	47,170,573	47,485,117	48,195,279	48,438,531	
6/30/2003	42,201,069	43,256,384	43,501,751	43,972,902	44,350,562	44,539,855	45,005,912		
6/30/2004	40,866,282	41,237,279	43,168,856	43,699,362	44,517,809	45,458,388			
6/30/2005	39,582,440	40,556,830	40,872,434	40,915,943	41,179,692				
6/30/2006	46,163,141	47,127,527	47,680,207	48,055,197					
6/30/2007	46,225,464	46,571,291	46,511,770						
6/30/2008	49,425,225	49,830,999							
6/30/2009	44,177,534								

PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
FULL COVERAGE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR INCREMENTAL ALAE DEVELOPMENT

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2001	4,771,678	9,722,325	10,703,312	10,641,820	5,972,740	5,139,563	3,111,948	1,739,141	909,464	1,778,440	1,458,801	-183,178	-340,646
6/30/2002	7,210,207	6,439,671	6,915,562	6,135,152	4,895,491	2,488,605	1,203,430	1,411,918	234,943	539,016	687,165	219,663	977,089
6/30/2003	6,257,165	6,839,556	6,810,936	5,181,354	835,776	3,671,339	691,034	913,753	1,202,456	1,078,340	969,278	1,055,315	245,367
6/30/2004	6,726,770	7,915,624	7,399,305	3,928,434	2,870,712	950,747	1,288,023	1,266,234	806,471	565,037	443,414	370,997	1,931,577
6/30/2005	4,914,709	5,881,058	6,436,577	4,647,242	2,918,281	2,896,626	1,415,697	1,303,709	552,549	332,321	299,936	974,390	315,604
6/30/2006	5,905,920	7,719,160	6,110,490	5,248,454	4,201,720	2,419,107	2,045,535	1,417,235	1,200,993	961,038	1,082,545	964,386	552,680
6/30/2007	6,135,227	7,581,493	6,475,113	5,460,002	4,441,153	2,410,905	1,651,017	2,211,709	811,134	1,783,500	47,653	345,827	-59,521
6/30/2008	7,937,439	8,780,339	7,080,869	5,666,904	1,830,442	1,896,191	2,873,975	1,940,643	595,559	991,937	960,864	405,774	
6/30/2009	6,633,573	7,382,406	7,349,267	5,217,833	2,388,530	1,898,053	1,792,919	1,117,385	1,085,632	813,992	628,698		
6/30/2010	8,864,048	5,874,296	7,580,819	4,189,183	1,858,395	3,192,422	1,015,584	1,510,999	816,698	388,678			
6/30/2011	6,085,116	8,268,954	6,065,580	3,321,450	2,654,393	1,999,897	1,623,253	1,903,828	641,530				
6/30/2012	5,916,033	6,325,849	2,986,514	4,065,254	2,403,701	558,001	1,334,448	1,307,032					
6/30/2013	7,460,998	9,301,148	11,109,376	5,643,565	3,802,723	1,482,233	1,672,088						
6/30/2014	9,496,782	10,467,763	6,196,979	7,773,760	3,730,985	2,749,903							
6/30/2015	8,088,887	8,791,485	8,680,721	9,728,688	5,064,830								
6/30/2016	7,741,576	7,132,119	6,634,899	6,226,211									
6/30/2017	6,631,443	7,689,870	5,721,257										
6/30/2018	8,612,389	8,743,000											
6/30/2019	7,695,053												

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
6/30/2001	0.0264	0.0537	0.0591	0.0588	0.0330	0.0284	0.0172	0.0096	0.0050	0.0098	0.0081	-0.0010	-0.0019
6/30/2002	0.0480	0.0429	0.0460	0.0408	0.0326	0.0166	0.0080	0.0094	0.0016	0.0036	0.0046	0.0015	0.0065
6/30/2003	0.0490	0.0536	0.0533	0.0406	0.0065	0.0288	0.0054	0.0072	0.0094	0.0084	0.0076	0.0083	0.0019
6/30/2004	0.0467	0.0550	0.0514	0.0273	0.0199	0.0066	0.0089	0.0088	0.0056	0.0039	0.0031	0.0026	0.0134
6/30/2005	0.0354	0.0424	0.0464	0.0335	0.0210	0.0209	0.0102	0.0094	0.0040	0.0024	0.0022	0.0070	0.0023
6/30/2006	0.0411	0.0537	0.0425	0.0365	0.0292	0.0168	0.0142	0.0099	0.0084	0.0067	0.0075	0.0067	0.0038
6/30/2007	0.0421	0.0520	0.0444	0.0374	0.0305	0.0165	0.0113	0.0152	0.0056	0.0122	0.0003	0.0024	-0.0004
6/30/2008	0.0474	0.0525	0.0423	0.0339	0.0109	0.0113	0.0172	0.0116	0.0036	0.0059	0.0057	0.0024	
6/30/2009	0.0414	0.0460	0.0458	0.0325	0.0149	0.0118	0.0112	0.0070	0.0068	0.0051	0.0039		
6/30/2010	0.0585	0.0388	0.0500	0.0276	0.0123	0.0211	0.0067	0.0100	0.0054	0.0026			
6/30/2011	0.0358	0.0487	0.0357	0.0195	0.0156	0.0118	0.0096	0.0112	0.0038				
6/30/2012	0.0350	0.0374	0.0177	0.0240	0.0142	0.0033	0.0079	0.0077					
6/30/2013	0.0440	0.0549	0.0656	0.0333	0.0224	0.0087	0.0099						
6/30/2014	0.0548	0.0604	0.0357	0.0448	0.0215	0.0159							
6/30/2015	0.0458	0.0498	0.0492	0.0551	0.0287								
6/30/2016	0.0426	0.0392	0.0365	0.0342									
6/30/2017	0.0346	0.0401	0.0298										
6/30/2018	0.0413	0.0419											
6/30/2019	0.0373												

Best 3/5	0.0404	0.0439	0.0405	0.0375	0.0199	0.0121	0.0091	0.0096	0.0049	0.0059	0.0039	0.0039	0.0027
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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>
6/30/2001	13,828,313	19,193,806	22,315,359	22,827,830	23,196,019	23,124,692	23,875,756	24,369,668	23,847,819	23,733,645	23,841,278
6/30/2002	13,479,448	18,685,376	20,376,066	20,776,563	20,872,415	20,816,798	20,702,465	20,491,793	20,333,104	20,166,843	20,084,494
6/30/2003	13,300,450	15,393,503	17,194,272	18,471,738	18,047,084	18,463,077	17,589,930	17,919,262	18,074,753	17,881,111	17,928,123
6/30/2004	16,614,799	23,070,435	27,551,512	28,382,404	28,585,179	26,862,822	26,172,965	26,059,911	25,994,472	26,254,339	26,004,503
6/30/2005	17,670,071	21,866,910	24,609,720	25,784,103	25,175,671	25,033,516	25,088,099	25,352,177	25,395,727	25,304,485	25,287,295
6/30/2006	19,378,133	24,806,557	26,853,905	26,042,320	26,107,279	25,959,158	25,861,657	25,947,464	25,555,757	25,847,507	25,724,385
6/30/2007	18,098,104	21,521,291	23,867,806	24,456,665	23,637,349	23,417,720	23,233,336	23,575,180	23,322,000	23,298,342	23,234,673
6/30/2008	15,560,486	18,411,500	20,099,543	20,420,377	20,448,059	19,992,640	19,742,204	19,935,396	19,964,403	19,889,612	20,073,946
6/30/2009	13,802,303	17,911,641	19,668,281	19,829,756	20,085,679	20,076,846	19,675,744	19,506,115	19,334,737	19,347,425	19,202,621
6/30/2010	13,509,516	15,739,827	16,643,870	16,706,003	16,244,327	16,336,296	16,352,250	16,286,976	16,348,511	16,345,608	16,389,310
6/30/2011	12,160,894	13,862,054	15,012,248	13,859,574	14,025,712	14,119,272	14,436,959	14,424,194	14,479,119	14,541,741	
6/30/2012	5,575,473	6,828,902	7,418,288	8,366,925	7,963,691	8,413,141	8,372,162	8,588,734	8,644,382		
6/30/2013	6,065,386	7,234,946	7,807,475	8,481,477	8,666,479	8,830,057	8,895,854	8,982,406			
6/30/2014	5,448,114	8,237,511	9,814,069	10,050,836	10,021,408	10,084,090	9,978,936				
6/30/2015	7,354,207	9,951,600	10,425,985	11,513,226	11,419,717	11,333,480					
6/30/2016	6,905,379	8,525,378	9,339,267	9,446,421	9,804,755						
6/30/2017	6,059,041	8,222,398	9,275,414	9,614,647							
6/30/2018	7,395,033	8,830,836	10,743,307								
6/30/2019	5,291,569	5,976,541									
6/30/2020	4,913,212										

<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>
6/30/2001	23,670,015	23,622,712	23,865,648	23,758,485	23,765,648	23,745,639	23,845,623	23,846,623	23,845,623
6/30/2002	20,205,523	20,149,412	20,128,881	20,159,701	20,147,197	20,147,197	20,147,197	20,355,029	
6/30/2003	17,739,860	17,635,096	17,735,096	17,743,096	17,743,096	17,843,096	18,056,657		
6/30/2004	26,083,147	26,105,799	26,088,147	26,088,150	26,098,147	26,371,009			
6/30/2005	25,187,295	25,126,315	25,121,315	25,121,315	25,121,315				
6/30/2006	25,677,490	25,563,324	25,575,672	25,559,844					
6/30/2007	23,230,423	23,242,923	23,230,423						
6/30/2008	20,082,743	20,088,243							
6/30/2009	19,202,621								

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.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2001	1.388	1.163	1.023	1.016	0.997	1.032	1.021	0.979	0.995	1.005	0.993
6/30/2002	1.386	1.090	1.020	1.005	0.997	0.995	0.990	0.992	0.992	0.996	1.006
6/30/2003	1.157	1.117	1.074	0.977	1.023	0.953	1.019	1.009	0.989	1.003	0.989
6/30/2004	1.389	1.194	1.030	1.007	0.940	0.974	0.996	0.997	1.010	0.990	1.003
6/30/2005	1.238	1.125	1.048	0.976	0.994	1.002	1.011	1.002	0.996	0.999	0.996
6/30/2006	1.280	1.083	0.970	1.002	0.994	0.996	1.003	0.985	1.011	0.995	0.998
6/30/2007	1.189	1.109	1.025	0.966	0.991	0.992	1.015	0.989	0.999	0.997	1.000
6/30/2008	1.183	1.092	1.016	1.001	0.978	0.987	1.010	1.001	0.996	1.009	1.000
6/30/2009	1.298	1.098	1.008	1.013	1.000	0.980	0.991	0.991	1.001	0.993	1.000
6/30/2010	1.165	1.057	1.004	0.972	1.006	1.001	0.996	1.004	1.000	1.003	
6/30/2011	1.140	1.083	0.923	1.012	1.007	1.023	0.999	1.004	1.004		
6/30/2012	1.225	1.086	1.128	0.952	1.056	0.995	1.026	1.006			
6/30/2013	1.193	1.079	1.086	1.022	1.019	1.007	1.010				
6/30/2014	1.512	1.191	1.024	0.997	1.006	0.990					
6/30/2015	1.353	1.048	1.104	0.992	0.992						
6/30/2016	1.235	1.095	1.011	1.038							
6/30/2017	1.357	1.128	1.037								
6/30/2018	1.194	1.217									
6/30/2019	1.129										

3 Yr Mean 1.227 1.147 1.051 1.009 1.006 0.997 1.012 1.005 1.002 1.002 1.000

Best 3/5 1.261 1.138 1.049 1.004 1.011 1.001 1.002 1.003 1.000 0.998 0.999

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2001	0.998	1.010	0.996	1.000	0.999	1.004	1.000	1.000
6/30/2002	0.997	0.999	1.002	0.999	1.000	1.000	1.010	1.003 *
6/30/2003	0.994	1.006	1.000	1.000	1.006	1.012	1.003 *	1.003 *
6/30/2004	1.001	0.999	1.000	1.000	1.010	1.002 *	1.003 *	1.003 *
6/30/2005	0.998	1.000	1.000	1.000	1.000 *	1.002 *	1.003 *	1.003 *
6/30/2006	0.996	1.000	0.999					
6/30/2007	1.001	0.999						
6/30/2008	1.000							

3 Yr Mean 0.999 1.000 1.000 1.000 1.005 @ 1.005 @ 1.005 @ 1.000 @

Best 3/5 1.000 1.000 1.000 1.000 1.002 * 1.003 * 1.003 * 1.003 *

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
6/30/2016					1.011	1.001	1.002	1.003	1.000	0.998	0.999
6/30/2017				1.004	1.011	1.001	1.002	1.003	1.000	0.998	0.999
6/30/2018			1.049	1.004	1.011	1.001	1.002	1.003	1.000	0.998	0.999
6/30/2019		1.138	1.049	1.004	1.011	1.001	1.002	1.003	1.000	0.998	0.999
6/30/2020	1.261	1.138	1.049	1.004	1.011	1.001	1.002	1.003	1.000	0.998	0.999

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2016	1.000	1.000	1.000	1.000	1.002	1.003	1.003	1.003	1.012*	1.038
6/30/2017	1.000	1.000	1.000	1.000	1.002	1.003	1.003	1.003	1.012*	1.042
6/30/2018	1.000	1.000	1.000	1.000	1.002	1.003	1.003	1.003	1.012*	1.093
6/30/2019	1.000	1.000	1.000	1.000	1.002	1.003	1.003	1.003	1.012*	1.244
6/30/2020	1.000	1.000	1.000	1.000	1.002	1.003	1.003	1.003	1.012*	1.568

* Calculated Using Modified Bondy Method

@ 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>
6/30/2001	4,309,549	9,206,474	12,795,086	15,745,554	16,790,731	17,505,263	18,397,591	20,378,668	20,130,967	20,352,026	20,541,429
6/30/2002	4,984,513	9,687,587	13,413,663	14,587,521	15,366,820	16,543,230	17,864,230	17,382,863	17,470,502	17,382,127	17,452,126
6/30/2003	2,959,983	5,180,814	7,561,231	10,808,647	11,405,007	13,594,565	13,106,738	13,898,961	14,755,492	15,146,720	15,325,650
6/30/2004	3,865,400	7,042,791	11,877,415	17,912,721	27,167,171	30,397,731	26,554,579	26,451,504	27,543,921	27,650,932	28,954,743
6/30/2005	3,998,704	7,800,488	13,454,277	17,623,648	19,425,865	21,566,428	22,536,695	22,786,146	23,187,974	24,394,524	24,421,040
6/30/2006	3,754,587	6,935,180	13,100,485	16,779,000	19,396,002	21,328,751	21,409,904	21,934,332	22,089,262	21,970,643	22,223,240
6/30/2007	5,013,164	6,607,748	9,606,489	12,452,698	14,807,558	16,189,986	16,766,310	17,672,924	17,884,831	17,871,247	17,428,473
6/30/2008	3,378,819	8,342,973	13,854,258	16,079,414	17,575,380	18,833,104	19,160,826	20,000,666	20,283,987	20,364,843	20,412,751
6/30/2009	5,353,947	8,183,404	12,540,520	16,713,365	18,982,468	21,335,529	21,710,898	21,954,492	22,832,418	23,426,104	23,257,750
6/30/2010	3,604,429	7,451,733	10,858,328	13,108,616	15,260,243	15,710,382	16,276,570	16,384,441	16,778,062	16,786,986	16,840,219
6/30/2011	2,961,790	5,614,605	12,453,299	16,408,639	19,930,923	20,655,579	22,889,146	22,646,556	22,892,570	22,941,221	
6/30/2012	1,072,834	3,951,982	6,988,967	11,149,823	11,446,708	12,760,743	13,447,851	13,374,512	13,476,124		
6/30/2013	1,955,496	4,265,807	8,359,148	10,119,702	11,137,812	11,436,579	12,181,619	12,855,698			
6/30/2014	1,824,635	5,013,547	9,234,473	11,032,644	15,653,271	15,988,155	16,882,290				
6/30/2015	2,762,934	5,122,974	8,505,429	11,973,443	12,645,589	12,812,827					
6/30/2016	1,976,839	5,910,018	8,186,423	11,189,301	12,623,152						
6/30/2017	1,092,423	3,165,269	4,704,331	7,155,007							
6/30/2018	3,497,835	5,882,065	7,393,815								
6/30/2019	1,018,166	1,665,329									
6/30/2020	746,296										

<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>
6/30/2001	20,540,309	20,792,708	22,103,264	21,054,081	21,042,665	20,957,124	21,007,112	21,186,691	21,304,557
6/30/2002	17,511,216	17,542,115	17,679,784	17,721,027	17,732,033	17,732,033	17,732,033	17,732,033	
6/30/2003	15,661,940	15,680,172	15,680,172	15,680,172	15,680,178	15,886,163	15,886,163		
6/30/2004	28,690,361	28,783,814	29,376,593	29,376,593	29,378,932	29,382,229			
6/30/2005	24,485,342	24,499,297	24,506,635	24,526,784	24,526,784				
6/30/2006	22,841,401	22,235,978	22,237,544	22,266,002					
6/30/2007	17,431,616	17,453,151	17,456,693						
6/30/2008	20,407,603	20,480,755							
6/30/2009	23,249,163								

PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
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
6/30/2001	4,896,925	3,588,612	2,950,468	1,045,177	714,532	892,328	1,981,077	-247,701	221,059	189,403	-1,120	252,399	1,310,556
6/30/2002	4,703,074	3,726,076	1,173,858	779,299	1,176,410	1,321,000	-481,367	87,639	-88,375	69,999	59,090	30,899	137,669
6/30/2003	2,220,831	2,380,417	3,247,416	596,360	2,189,558	-487,827	792,223	856,531	391,228	178,930	336,290	18,232	0
6/30/2004	3,177,391	4,834,624	6,035,306	9,254,450	3,230,560	-3,843,152	-103,075	1,092,417	107,011	1,303,811	-264,382	93,453	592,779
6/30/2005	3,801,784	5,653,789	4,169,371	1,802,217	2,140,563	970,267	249,451	401,828	1,206,550	26,516	64,302	13,955	7,338
6/30/2006	3,180,593	6,165,305	3,678,515	2,617,002	1,932,749	81,153	524,428	154,930	-118,619	252,597	618,161	-605,423	1,566
6/30/2007	1,594,584	2,998,741	2,846,209	2,354,860	1,382,428	576,324	906,614	211,907	-13,584	-442,774	3,143	21,535	3,542
6/30/2008	4,964,154	5,511,285	2,225,156	1,495,966	1,257,724	327,722	839,840	283,321	80,856	47,908	-5,148	73,152	
6/30/2009	2,829,457	4,357,116	4,172,845	2,269,103	2,353,061	375,369	243,594	877,926	593,686	-168,354	-8,587		
6/30/2010	3,847,304	3,406,595	2,250,288	2,151,627	450,139	566,188	107,871	393,621	8,924	53,233			
6/30/2011	2,652,815	6,838,694	3,955,340	3,522,284	724,656	2,233,567	-242,590	246,014	48,651				
6/30/2012	2,879,148	3,036,985	4,160,856	296,885	1,314,035	687,108	-73,339	101,612					
6/30/2013	2,310,311	4,093,341	1,760,554	1,018,110	298,767	745,040	674,079						
6/30/2014	3,188,912	4,220,926	1,798,171	4,620,627	334,884	894,135							
6/30/2015	2,360,040	3,382,455	3,468,014	672,146	167,238								
6/30/2016	3,933,179	2,276,405	3,002,878	1,433,851									
6/30/2017	2,072,846	1,539,062	2,450,676										
6/30/2018	2,384,230	1,511,750											
6/30/2019	647,163												

	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
6/30/2001	0.1294	0.0948	0.0779	0.0276	0.0189	0.0236	0.0523	-0.0065	0.0058	0.0050	0.0000	0.0067	0.0346
6/30/2002	0.1467	0.1163	0.0366	0.0243	0.0367	0.0412	-0.0150	0.0027	-0.0028	0.0022	0.0018	0.0010	0.0043
6/30/2003	0.0797	0.0854	0.1165	0.0214	0.0785	-0.0175	0.0284	0.0307	0.0140	0.0064	0.0121	0.0007	0.0000
6/30/2004	0.0761	0.1158	0.1445	0.2216	0.0774	-0.0920	-0.0025	0.0262	0.0026	0.0312	-0.0063	0.0022	0.0142
6/30/2005	0.0950	0.1413	0.1042	0.0450	0.0535	0.0242	0.0062	0.0100	0.0301	0.0007	0.0016	0.0003	0.0002
6/30/2006	0.0718	0.1391	0.0830	0.0591	0.0436	0.0018	0.0118	0.0035	-0.0027	0.0057	0.0139	-0.0137	0.0000
6/30/2007	0.0405	0.0762	0.0723	0.0598	0.0351	0.0146	0.0230	0.0054	-0.0003	-0.0113	0.0001	0.0005	0.0001
6/30/2008	0.1580	0.1754	0.0708	0.0476	0.0400	0.0104	0.0267	0.0090	0.0026	0.0015	-0.0002	0.0023	
6/30/2009	0.0846	0.1303	0.1248	0.0679	0.0704	0.0112	0.0073	0.0263	0.0178	-0.0050	-0.0003		
6/30/2010	0.1612	0.1428	0.0943	0.0902	0.0189	0.0237	0.0045	0.0165	0.0004	0.0022			
6/30/2011	0.1104	0.2846	0.1646	0.1466	0.0302	0.0930	-0.0101	0.0102	0.0020				
6/30/2012	0.1852	0.1954	0.2677	0.0191	0.0845	0.0442	-0.0047	0.0065					
6/30/2013	0.1558	0.2761	0.1187	0.0687	0.0202	0.0502	0.0455						
6/30/2014	0.1794	0.2375	0.1012	0.2600	0.0188	0.0503							
6/30/2015	0.1082	0.1550	0.1589	0.0308	0.0077								
6/30/2016	0.1856	0.1074	0.1417	0.0677									
6/30/2017	0.1263	0.0937	0.1493										
6/30/2018	0.1191	0.0755											
6/30/2019	0.0580												

Best 3/5	0.1178	0.1187	0.1366	0.0557	0.0230	0.0483	0.0024	0.0119	0.0017	-0.0004	0.0005	0.0010	0.0001
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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
6/30/2001	228,368,847	291,830,462	325,884,508	342,826,435	343,209,295	337,156,112	335,284,866	333,270,618	332,394,093	331,358,326	331,194,964
6/30/2002	206,707,575	259,159,418	310,847,617	323,917,879	320,351,025	316,755,730	313,958,784	312,917,829	312,341,683	311,656,250	311,985,372
6/30/2003	219,427,098	295,541,185	353,256,932	359,512,299	351,425,621	345,117,660	343,207,600	340,303,463	339,124,650	338,922,393	338,971,944
6/30/2004	246,119,410	331,729,804	358,880,460	363,847,253	359,273,435	355,614,057	353,297,192	351,849,907	351,592,995	351,060,487	350,739,260
6/30/2005	256,313,597	298,084,771	337,388,353	342,274,873	343,242,170	337,632,415	335,259,569	334,126,763	332,936,398	333,425,021	333,584,492
6/30/2006	236,825,926	310,757,408	348,082,141	359,883,961	354,716,495	348,176,883	344,876,680	343,818,912	343,246,781	343,256,635	342,934,690
6/30/2007	263,415,983	337,354,450	375,414,481	381,557,349	374,860,466	369,348,156	367,004,973	365,059,245	364,078,347	363,975,952	364,073,013
6/30/2008	280,745,397	353,194,615	396,281,671	401,933,189	395,948,434	390,672,018	388,516,043	386,912,775	386,720,786	386,070,927	385,746,092
6/30/2009	293,899,560	375,601,397	415,031,078	416,211,199	410,040,153	407,380,624	403,929,704	401,915,887	400,973,467	400,684,979	401,469,608
6/30/2010	317,519,644	400,231,452	448,498,403	450,546,903	444,163,561	439,547,140	436,248,773	434,981,640	434,281,107	434,048,678	434,441,678
6/30/2011	345,673,621	438,178,378	486,282,402	494,085,317	485,683,785	480,428,747	476,616,019	474,771,947	474,561,550	474,079,244	
6/30/2012	292,186,814	372,926,636	417,375,903	418,211,326	416,280,763	412,956,249	411,835,160	412,200,108	411,042,082		
6/30/2013	291,938,059	372,926,868	406,894,067	414,255,395	415,581,850	414,312,672	414,063,117	412,593,878			
6/30/2014	321,643,826	408,847,520	467,444,907	500,542,065	501,008,461	502,134,028	498,172,294				
6/30/2015	283,169,349	386,445,787	467,620,685	496,961,769	504,149,268	501,635,191					
6/30/2016	265,263,559	380,138,283	455,789,390	489,225,545	492,659,018						
6/30/2017	288,093,444	413,022,238	505,129,127	535,823,919							
6/30/2018	332,123,476	469,702,477	556,027,619								
6/30/2019	313,999,138	446,995,781									
6/30/2020	241,595,327										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2001	331,479,483	331,414,767	331,721,832	332,011,405	332,050,663	331,934,884	331,913,713	331,945,187	332,101,075
6/30/2002	311,703,102	311,928,657	312,416,551	311,991,765	312,158,319	312,118,351	312,231,084	312,233,405	
6/30/2003	338,997,026	339,099,511	339,226,628	339,194,362	339,192,717	339,554,015	339,925,034		
6/30/2004	351,108,179	351,051,419	351,069,861	350,960,889	351,152,004	351,157,208			
6/30/2005	333,523,797	333,428,747	333,707,199	334,193,877	334,233,318				
6/30/2006	342,664,740	342,496,758	342,726,107	343,193,609					
6/30/2007	363,954,665	364,513,266	364,743,126						
6/30/2008	386,038,255	386,218,582							
6/30/2009	401,385,830								

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.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2001	1.278	1.117	1.052	1.001	0.982	0.994	0.994	0.997	0.997	1.000	1.001
6/30/2002	1.254	1.199	1.042	0.989	0.989	0.991	0.997	0.998	0.998	1.001	0.999
6/30/2003	1.347	1.195	1.018	0.978	0.982	0.994	0.992	0.997	0.999	1.000	1.000
6/30/2004	1.348	1.082	1.014	0.987	0.990	0.993	0.996	0.999	0.998	0.999	1.001
6/30/2005	1.163	1.132	1.014	1.003	0.984	0.993	0.997	0.996	1.001	1.000	1.000
6/30/2006	1.312	1.120	1.034	0.986	0.982	0.991	0.997	0.998	1.000	0.999	0.999
6/30/2007	1.281	1.113	1.016	0.982	0.985	0.994	0.995	0.997	1.000	1.000	1.000
6/30/2008	1.258	1.122	1.014	0.985	0.987	0.994	0.996	1.000	0.998	0.999	1.001
6/30/2009	1.278	1.105	1.003	0.985	0.994	0.992	0.995	0.998	0.999	1.002	1.000
6/30/2010	1.260	1.121	1.005	0.986	0.990	0.992	0.997	0.998	0.999	1.001	
6/30/2011	1.268	1.110	1.016	0.983	0.989	0.992	0.996	1.000	0.999		
6/30/2012	1.276	1.119	1.002	0.995	0.992	0.997	1.001	0.997			
6/30/2013	1.277	1.091	1.018	1.003	0.997	0.999	0.996				
6/30/2014	1.271	1.143	1.071	1.001	1.002	0.992					
6/30/2015	1.365	1.210	1.063	1.014	0.995						
6/30/2016	1.433	1.199	1.073	1.007							
6/30/2017	1.434	1.223	1.061								
6/30/2018	1.414	1.184									
6/30/2019	1.424										

3 Yr Mean 1.424 1.202 1.066 1.007 0.998 0.996 0.998 0.998 0.998 0.999 1.001 1.000

Best 3/5 1.424 1.198 1.065 1.004 0.995 0.994 0.996 0.999 0.999 1.000 1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2001	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000
6/30/2002	1.001	1.002	0.999	1.001	1.000	1.000	1.000	1.000 *
6/30/2003	1.000	1.000	1.000	1.000	1.001	1.001	1.000 *	1.000 *
6/30/2004	1.000	1.000	1.000	1.001	1.000	1.000 *	1.000 *	1.000 *
6/30/2005	1.000	1.001	1.001	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2006	1.000	1.001	1.001					
6/30/2007	1.002	1.001						
6/30/2008	1.000							

3 Yr Mean 1.001 1.001 1.001 1.000 1.000 @ 1.000 @ 1.000 @ 1.000 @

Best 3/5 1.000 1.001 1.000 1.000 1.000 * 1.000 * 1.000 * 1.000 *

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
6/30/2016					0.995	0.994	0.996	0.999	0.999	1.000	1.000
6/30/2017				1.004	0.995	0.994	0.996	0.999	0.999	1.000	1.000
6/30/2018			1.065	1.004	0.995	0.994	0.996	0.999	0.999	1.000	1.000
6/30/2019		1.198	1.065	1.004	0.995	0.994	0.996	0.999	0.999	1.000	1.000
6/30/2020	1.424	1.198	1.065	1.004	0.995	0.994	0.996	0.999	0.999	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2016	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.984
6/30/2017	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.988
6/30/2018	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.052
6/30/2019	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.261
6/30/2020	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.795

* Calculated Using Modified Bondy Method

@ 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:											
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
6/30/2001	12,135,349	15,969,530	18,953,419	18,696,580	18,684,171	19,220,788	19,275,823	19,200,225	19,246,166	19,158,759	19,258,758
6/30/2002	11,524,038	16,880,235	16,503,165	16,860,562	17,678,874	17,307,495	17,501,383	17,233,128	17,399,653	17,309,440	17,309,439
6/30/2003	16,780,283	18,432,101	20,778,257	21,852,692	22,239,549	21,685,591	21,316,010	21,155,532	21,082,189	21,143,730	21,234,451
6/30/2004	17,760,451	25,498,266	23,926,805	25,901,501	24,769,870	24,112,977	23,381,105	23,263,358	23,092,632	23,254,166	23,286,039
6/30/2005	15,603,327	24,746,490	24,843,580	22,808,296	21,240,592	20,464,151	20,052,004	19,852,570	19,847,570	19,731,596	19,731,593
6/30/2006	15,330,931	18,855,878	21,328,280	21,080,145	20,593,167	20,656,909	20,842,102	20,807,212	21,024,610	20,946,404	20,916,404
6/30/2007	15,536,810	20,710,638	23,906,559	24,521,843	23,835,517	23,159,657	22,878,189	22,985,731	22,975,527	22,976,026	22,931,026
6/30/2008	17,840,817	22,078,008	24,769,300	24,823,181	24,565,963	24,023,877	24,083,748	23,994,031	23,845,696	23,835,510	23,755,223
6/30/2009	16,804,627	20,603,742	21,239,089	23,042,133	22,405,106	22,085,157	22,111,385	21,964,549	21,999,771	21,968,917	21,966,012
6/30/2010	13,187,650	13,676,062	16,357,774	16,944,041	17,561,181	17,149,857	17,208,463	17,073,479	17,001,226	17,112,573	17,070,903
6/30/2011	11,573,324	15,495,294	17,315,505	18,069,213	18,014,165	17,760,209	17,805,341	17,605,476	17,607,743	17,583,316	
6/30/2012	11,401,112	14,549,692	16,439,733	16,670,433	16,881,381	16,640,741	16,780,118	17,154,554	16,939,220		
6/30/2013	11,505,453	14,886,733	16,183,776	16,860,156	17,298,447	17,138,869	17,128,799	16,826,385			
6/30/2014	14,619,911	17,327,117	19,804,815	21,100,676	21,643,177	21,830,406	21,965,799				
6/30/2015	13,860,012	18,629,432	23,004,075	25,261,565	25,560,750	25,438,454					
6/30/2016	15,619,313	20,601,444	25,073,935	26,091,633	25,948,677						
6/30/2017	14,080,837	21,338,329	28,194,326	29,204,066							
6/30/2018	16,622,176	25,984,324	31,022,546								
6/30/2019	18,540,174	26,134,396									
6/30/2020	18,304,619										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2001	19,243,758	19,248,759	19,248,758	19,148,758	19,148,758	19,248,758	19,248,760	19,249,758	19,249,758		
6/30/2002	17,359,438	17,514,937	17,501,398	17,726,557	17,770,963	17,771,248	17,771,248	17,771,248			
6/30/2003	21,135,502	21,136,634	21,129,941	21,129,941	21,145,941	21,145,941	21,145,941				
6/30/2004	23,262,229	23,284,730	23,334,729	23,334,729	23,334,729	23,316,777					
6/30/2005	19,736,593	19,731,593	19,731,593	19,788,038	19,788,038						
6/30/2006	20,916,404	20,916,404	20,916,404	20,918,933							
6/30/2007	22,813,856	22,813,956	22,813,958								
6/30/2008	23,755,123	23,771,906									
6/30/2009	21,966,012										

PREMISES/OPERATIONS (Subline Code 334)

OWNERS, LANDLORDS AND TENANTS

DEDUCTIBLE

MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2001	1.316	1.187	0.986	0.999	1.029	1.003	0.996	1.002	0.995	1.005	0.999
6/30/2002	1.465	0.978	1.022	1.049	0.979	1.011	0.985	1.010	0.995	1.000	1.003
6/30/2003	1.098	1.127	1.052	1.018	0.975	0.983	0.992	0.997	1.003	1.004	0.995
6/30/2004	1.436	0.938	1.083	0.956	0.973	0.970	0.995	0.993	1.007	1.001	0.999
6/30/2005	1.586	1.004	0.918	0.931	0.963	0.980	0.990	1.000	0.994	1.000	1.000
6/30/2006	1.230	1.131	0.988	0.977	1.003	1.009	0.998	1.010	0.996	0.999	1.000
6/30/2007	1.333	1.154	1.026	0.972	0.972	0.988	1.005	1.000	1.000	0.998	0.995
6/30/2008	1.237	1.122	1.002	0.990	0.978	1.002	0.996	0.994	1.000	0.997	1.000
6/30/2009	1.226	1.031	1.085	0.972	0.986	1.001	0.993	1.002	0.999	1.000	1.000
6/30/2010	1.037	1.196	1.036	1.036	0.977	1.003	0.992	0.996	1.007	0.998	
6/30/2011	1.339	1.117	1.044	0.997	0.986	1.003	0.989	1.000	0.999		
6/30/2012	1.276	1.130	1.014	1.013	0.986	1.008	1.022	0.987			
6/30/2013	1.294	1.087	1.042	1.026	0.991	0.999	0.982				
6/30/2014	1.185	1.143	1.065	1.026	1.009	1.006					
6/30/2015	1.344	1.235	1.098	1.012	0.995						
6/30/2016	1.319	1.217	1.041	0.995							
6/30/2017	1.515	1.321	1.036								
6/30/2018	1.563	1.194									
6/30/2019	1.410										

3 Yr Mean 1.496 1.244 1.058 1.011 0.998 1.004 0.998 0.994 1.002 0.998 0.998

Best 3/5 1.423 1.215 1.049 1.017 0.991 1.004 0.991 0.997 1.000 0.998 1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2001	1.000	1.000	0.995	1.000	1.005	1.000	1.000	1.000
6/30/2002	1.009	0.999	1.013	1.003	1.000	1.000	1.000	1.000 *
6/30/2003	1.000	1.000	1.000	1.001	1.000	1.000	1.000 *	1.000 *
6/30/2004	1.001	1.002	1.000	1.000	0.999	1.000 *	1.000 *	1.000 *
6/30/2005	1.000	1.000	1.003	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2006	1.000	1.000	1.000					
6/30/2007	1.000	1.000						
6/30/2008	1.001							

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 1.001 1.000 1.000 * 1.000 * 1.000 * 1.000 *

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
6/30/2016					0.991	1.004	0.991	0.997	1.000	0.998	1.000
6/30/2017				1.017	0.991	1.004	0.991	0.997	1.000	0.998	1.000
6/30/2018			1.049	1.017	0.991	1.004	0.991	0.997	1.000	0.998	1.000
6/30/2019		1.215	1.049	1.017	0.991	1.004	0.991	0.997	1.000	0.998	1.000
6/30/2020	1.423	1.215	1.049	1.017	0.991	1.004	0.991	0.997	1.000	0.998	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2016	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.982
6/30/2017	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.999
6/30/2018	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.048
6/30/2019	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.273
6/30/2020	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.811

* Calculated Using Modified Bondy Method

@ 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>
6/30/2001	34,672,646	60,247,248	87,951,491	105,219,933	117,232,685	127,757,326	130,619,726	132,607,838	133,823,472	136,359,672	137,768,354
6/30/2002	32,307,827	54,309,544	89,626,529	109,335,973	128,949,925	133,778,616	138,892,387	141,007,060	141,396,356	142,833,648	142,638,986
6/30/2003	32,921,770	63,848,368	99,791,097	131,236,707	145,896,018	150,357,193	153,874,009	155,286,773	156,990,802	158,410,567	158,495,459
6/30/2004	31,534,847	64,218,922	104,502,247	130,224,151	139,335,687	145,350,363	147,523,928	149,049,465	149,788,440	150,957,543	151,847,247
6/30/2005	30,299,490	63,839,803	102,958,826	129,485,350	142,556,985	147,966,237	151,195,230	153,235,812	154,489,505	156,003,911	156,614,556
6/30/2006	24,840,739	63,354,136	101,323,759	129,633,439	141,172,041	148,393,073	151,254,266	151,939,389	153,523,921	154,826,890	155,367,428
6/30/2007	26,539,226	67,970,138	108,062,908	139,940,826	154,177,927	160,326,824	162,893,622	164,178,285	167,266,454	168,078,750	168,693,613
6/30/2008	25,918,032	66,404,767	119,363,524	155,653,875	173,376,597	181,846,866	185,978,460	188,431,225	189,377,380	188,919,866	189,555,106
6/30/2009	32,539,830	75,378,293	123,658,704	165,353,816	180,986,207	189,119,862	193,275,377	196,614,186	198,542,970	198,976,320	205,224,014
6/30/2010	38,051,940	82,869,261	141,566,979	173,995,935	191,399,748	201,034,281	204,507,834	205,954,049	208,981,165	210,105,961	211,196,491
6/30/2011	44,568,386	98,163,738	159,793,238	200,471,995	218,936,071	227,316,780	231,347,792	232,655,909	232,484,028	233,814,659	
6/30/2012	39,078,532	85,865,774	143,398,135	182,684,946	204,096,287	213,462,747	218,274,395	220,581,642	221,069,791		
6/30/2013	39,777,020	90,024,546	144,250,028	187,251,094	209,643,280	217,520,533	220,457,329	222,198,129			
6/30/2014	47,546,622	105,052,227	172,079,613	222,176,643	245,267,579	258,400,497	264,478,453				
6/30/2015	42,067,539	98,734,987	166,459,074	213,796,917	235,938,447	243,984,324					
6/30/2016	42,391,092	102,247,555	169,993,067	215,327,295	235,285,391						
6/30/2017	42,862,910	96,597,669	164,820,097	208,521,382							
6/30/2018	45,939,163	106,720,677	178,132,668								
6/30/2019	42,200,992	97,735,629									
6/30/2020	32,485,455										

<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>
6/30/2001	137,611,991	138,517,823	139,732,335	141,302,533	141,737,199	141,635,622	141,620,592	142,304,135	142,512,722
6/30/2002	143,026,883	144,452,872	144,810,170	145,464,048	145,586,815	145,894,858	145,989,094	146,207,825	
6/30/2003	159,503,331	160,013,153	160,523,443	160,420,551	160,835,895	160,788,901	161,060,677		
6/30/2004	152,490,659	153,323,602	153,669,774	154,327,611	154,114,096	154,354,242			
6/30/2005	156,430,457	156,833,507	158,490,147	160,279,182	161,703,911				
6/30/2006	156,181,204	156,265,043	156,601,892	156,910,974					
6/30/2007	168,542,236	168,785,970	168,993,009						
6/30/2008	189,931,411	190,601,959							
6/30/2009	205,673,075								

PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MULTISTATE
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR INCREMENTAL ALAE DEVELOPMENT

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2001	25,574,602	27,704,243	17,268,442	12,012,752	10,524,641	2,862,400	1,988,112	1,215,634	2,536,200	1,408,682	-156,363	905,832	1,214,512
6/30/2002	22,001,717	35,316,985	19,709,444	19,613,952	4,828,691	5,113,771	2,114,673	389,296	1,437,292	-194,662	387,897	1,425,989	357,298
6/30/2003	30,926,598	35,942,729	31,445,610	14,659,311	4,461,175	3,516,816	1,412,764	1,704,029	1,419,765	84,892	1,007,872	509,822	510,290
6/30/2004	32,684,075	40,283,325	25,721,904	9,111,536	6,014,676	2,173,565	1,525,537	738,975	1,169,103	889,704	643,412	832,943	346,172
6/30/2005	33,540,313	39,119,023	26,526,524	13,071,635	5,409,252	3,228,993	2,040,582	1,253,693	1,514,406	610,645	-184,099	403,050	1,656,640
6/30/2006	38,513,397	37,969,623	28,309,680	11,538,602	7,221,032	2,861,193	685,123	1,584,532	1,302,969	540,538	813,776	83,839	336,849
6/30/2007	41,430,912	40,092,770	31,877,918	14,237,101	6,148,897	2,566,798	1,284,663	3,088,169	812,296	614,863	-151,377	243,734	207,039
6/30/2008	40,486,735	52,958,757	36,290,351	17,722,722	8,470,269	4,131,594	2,452,765	946,155	-457,514	635,240	376,305	670,548	
6/30/2009	42,838,463	48,280,411	41,695,112	15,632,391	8,133,655	4,155,515	3,338,809	1,928,784	433,350	6,247,694	449,061		
6/30/2010	44,817,321	58,697,718	32,428,956	17,403,813	9,634,533	3,473,553	1,446,215	3,027,116	1,124,796	1,090,530			
6/30/2011	53,595,352	61,629,500	40,678,757	18,464,076	8,380,709	4,031,012	1,308,117	-171,881	1,330,631				
6/30/2012	46,787,242	57,532,361	39,286,811	21,411,341	9,366,460	4,811,648	2,307,247	488,149					
6/30/2013	50,247,526	54,225,482	43,001,066	22,392,186	7,877,253	2,936,796	1,740,800						
6/30/2014	57,505,605	67,027,386	50,097,030	23,090,936	13,132,918	6,077,956							
6/30/2015	56,667,448	67,724,087	47,337,843	22,141,530	8,045,877								
6/30/2016	59,856,463	67,745,512	45,334,228	19,958,096									
6/30/2017	53,734,759	68,222,428	43,701,285										
6/30/2018	60,781,514	71,411,991											
6/30/2019	55,534,637												

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
6/30/2001	0.0530	0.0574	0.0358	0.0249	0.0218	0.0059	0.0041	0.0025	0.0053	0.0029	-0.0003	0.0019	0.0025
6/30/2002	0.0475	0.0762	0.0425	0.0423	0.0104	0.0110	0.0046	0.0008	0.0031	-0.0004	0.0008	0.0031	0.0008
6/30/2003	0.0617	0.0718	0.0628	0.0293	0.0089	0.0070	0.0028	0.0034	0.0028	0.0002	0.0020	0.0010	0.0010
6/30/2004	0.0643	0.0792	0.0506	0.0179	0.0118	0.0043	0.0030	0.0015	0.0023	0.0017	0.0013	0.0016	0.0007
6/30/2005	0.0674	0.0787	0.0533	0.0263	0.0109	0.0065	0.0041	0.0025	0.0030	0.0012	-0.0004	0.0008	0.0033
6/30/2006	0.0753	0.0742	0.0554	0.0226	0.0141	0.0056	0.0013	0.0031	0.0025	0.0011	0.0016	0.0002	0.0007
6/30/2007	0.0748	0.0724	0.0575	0.0257	0.0111	0.0046	0.0023	0.0056	0.0015	0.0011	-0.0003	0.0004	0.0004
6/30/2008	0.0681	0.0891	0.0610	0.0298	0.0142	0.0069	0.0041	0.0016	-0.0008	0.0011	0.0006	0.0011	
6/30/2009	0.0698	0.0787	0.0679	0.0255	0.0133	0.0068	0.0054	0.0031	0.0007	0.0102	0.0007		
6/30/2010	0.0667	0.0874	0.0483	0.0259	0.0143	0.0052	0.0022	0.0045	0.0017	0.0016			
6/30/2011	0.0740	0.0851	0.0562	0.0255	0.0116	0.0056	0.0018	-0.0002	0.0018				
6/30/2012	0.0701	0.0862	0.0588	0.0321	0.0140	0.0072	0.0035	0.0007					
6/30/2013	0.0754	0.0814	0.0645	0.0336	0.0118	0.0044	0.0026						
6/30/2014	0.0713	0.0832	0.0622	0.0286	0.0163	0.0075							
6/30/2015	0.0697	0.0833	0.0582	0.0272	0.0099								
6/30/2016	0.0723	0.0818	0.0548	0.0241									
6/30/2017	0.0605	0.0768	0.0492										
6/30/2018	0.0606	0.0712											
6/30/2019	0.0569												

Best 3/5	0.0636	0.0806	0.0584	0.0293	0.0125	0.0060	0.0027	0.0018	0.0013	0.0013	0.0004	0.0008	0.0008
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PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2001	37,784,048	37,550,360	42,718,341	43,085,286	43,504,448	43,295,916	43,769,737	43,919,920	44,160,880	44,686,722	45,094,612
6/30/2002	30,178,360	35,299,111	36,430,150	37,792,161	38,214,780	38,854,999	39,615,871	39,885,567	40,332,073	40,483,477	40,805,473
6/30/2003	31,778,706	33,798,744	36,196,632	35,942,924	38,485,028	38,648,946	38,628,945	38,946,447	38,563,873	39,006,218	39,259,089
6/30/2004	29,171,280	33,269,025	34,425,386	35,769,330	37,576,318	37,877,539	37,732,758	37,833,716	37,932,155	38,140,820	38,330,277
6/30/2005	28,532,105	30,141,076	33,423,258	34,191,463	34,569,787	34,879,927	34,984,389	35,248,900	35,588,210	36,078,703	35,936,116
6/30/2006	27,123,559	29,376,824	31,129,766	31,730,595	32,196,925	33,010,373	33,328,163	33,430,508	33,671,322	33,498,326	33,474,252
6/30/2007	28,311,974	31,384,380	33,606,376	34,047,633	34,821,643	34,943,824	35,244,821	35,666,607	36,406,297	36,334,235	36,432,925
6/30/2008	33,074,748	36,520,028	37,983,097	38,011,954	38,608,224	39,394,718	39,722,778	39,660,004	39,866,932	40,246,614	40,202,455
6/30/2009	36,094,653	37,248,889	39,165,290	39,485,652	39,556,138	40,020,138	39,865,602	39,873,561	40,119,651	40,471,792	40,613,847
6/30/2010	35,745,687	40,333,407	42,174,915	43,039,795	43,818,362	43,862,095	43,828,822	43,833,795	44,106,320	44,118,035	44,236,095
6/30/2011	42,510,872	46,252,503	47,066,231	47,463,408	47,559,314	47,935,291	48,251,209	48,740,094	48,634,174	48,821,702	
6/30/2012	41,610,162	44,804,193	46,814,168	47,239,269	47,699,667	47,713,619	48,362,991	48,438,563	48,405,891		
6/30/2013	38,565,856	42,587,841	44,115,508	45,908,598	46,324,442	47,005,209	47,868,996	47,920,892			
6/30/2014	45,297,661	47,929,984	49,580,292	51,614,828	51,747,995	52,056,233	52,230,508				
6/30/2015	43,309,788	47,176,986	48,749,068	51,754,236	53,565,775	53,474,516					
6/30/2016	36,366,294	42,135,997	46,979,127	47,329,641	48,659,983						
6/30/2017	40,193,349	45,598,493	49,496,669	51,863,431							
6/30/2018	40,974,126	51,112,949	55,770,043								
6/30/2019	44,538,471	51,908,959									
6/30/2020	38,660,484										
<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>		
6/30/2001	45,125,816	45,318,587	45,432,241	45,405,916	45,532,021	45,606,018	45,597,775	45,684,176	45,684,766		
6/30/2002	41,066,433	40,922,599	40,843,276	41,172,219	41,215,365	41,422,800	41,392,340	41,553,937			
6/30/2003	39,276,720	39,330,637	39,333,650	39,449,657	39,465,907	39,645,730	39,564,911				
6/30/2004	38,635,478	38,664,545	38,714,951	38,741,154	38,823,823	38,909,837					
6/30/2005	35,795,155	35,851,612	35,754,191	35,661,831	35,723,232						
6/30/2006	33,559,331	33,448,216	33,500,406	33,596,037							
6/30/2007	36,287,770	36,249,054	36,281,992								
6/30/2008	40,216,542	40,182,965									
6/30/2009	41,082,424										

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.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2001	0.994	1.138	1.009	1.010	0.995	1.011	1.003	1.005	1.012	1.009	1.001
6/30/2002	1.170	1.032	1.037	1.011	1.017	1.020	1.007	1.011	1.004	1.008	1.006
6/30/2003	1.064	1.071	0.993	1.071	1.004	0.999	1.008	0.990	1.011	1.006	1.000
6/30/2004	1.140	1.035	1.039	1.051	1.008	0.996	1.003	1.003	1.006	1.005	1.008
6/30/2005	1.056	1.109	1.023	1.011	1.009	1.003	1.008	1.010	1.014	0.996	0.996
6/30/2006	1.083	1.060	1.019	1.015	1.025	1.010	1.003	1.007	0.995	0.999	1.003
6/30/2007	1.109	1.071	1.013	1.023	1.004	1.009	1.012	1.021	0.998	1.003	0.996
6/30/2008	1.104	1.040	1.001	1.016	1.020	1.008	0.998	1.005	1.010	0.999	1.000
6/30/2009	1.032	1.051	1.008	1.002	1.012	0.996	1.000	1.006	1.009	1.004	1.012
6/30/2010	1.128	1.046	1.021	1.018	1.001	0.999	1.000	1.006	1.000	1.003	
6/30/2011	1.088	1.018	1.008	1.002	1.008	1.007	1.010	0.998	1.004		
6/30/2012	1.077	1.045	1.009	1.010	1.000	1.014	1.002	0.999			
6/30/2013	1.104	1.036	1.041	1.009	1.015	1.018	1.001				
6/30/2014	1.058	1.034	1.041	1.003	1.006	1.003					
6/30/2015	1.089	1.033	1.062	1.035	0.998						
6/30/2016	1.159	1.115	1.007	1.028							
6/30/2017	1.134	1.085	1.048								
6/30/2018	1.247	1.091									
6/30/2019	1.165										

3 Yr Mean 1.182 1.097 1.039 1.022 1.006 1.012 1.004 1.001 1.004 1.002 1.003

Best 3/5 1.153 1.070 1.043 1.016 1.005 1.008 1.001 1.003 1.004 1.002 1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2001	1.004	1.003	0.999	1.003	1.002	1.000	1.002	1.000
6/30/2002	0.996	0.998	1.008	1.001	1.005	0.999	1.004	1.001 *
6/30/2003	1.001	1.000	1.003	1.000	1.005	0.998	1.000 *	1.001 *
6/30/2004	1.001	1.001	1.001	1.002	1.002	1.003 *	1.000 *	1.001 *
6/30/2005	1.002	0.997	0.997	1.002	1.002 *	1.003 *	1.000 *	1.001 *
6/30/2006	0.997	1.002	1.003					
6/30/2007	0.999	1.001						
6/30/2008	0.999							

3 Yr Mean 0.998 1.000 1.000 1.001 1.004 @ 0.999 @ 1.003 @ 1.000 @

Best 3/5 1.000 1.001 1.002 1.002 1.003 * 1.001 * 1.001 * 1.001 *

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
6/30/2016					1.005	1.008	1.001	1.003	1.004	1.002	1.000
6/30/2017				1.016	1.005	1.008	1.001	1.003	1.004	1.002	1.000
6/30/2018			1.043	1.016	1.005	1.008	1.001	1.003	1.004	1.002	1.000
6/30/2019		1.070	1.043	1.016	1.005	1.008	1.001	1.003	1.004	1.002	1.000
6/30/2020	1.153	1.070	1.043	1.016	1.005	1.008	1.001	1.003	1.004	1.002	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2016	1.000	1.001	1.002	1.002	1.003	1.001	1.001	1.001	1.004*	1.039
6/30/2017	1.000	1.001	1.002	1.002	1.003	1.001	1.001	1.001	1.004*	1.055
6/30/2018	1.000	1.001	1.002	1.002	1.003	1.001	1.001	1.001	1.004*	1.101
6/30/2019	1.000	1.001	1.002	1.002	1.003	1.001	1.001	1.001	1.004*	1.178
6/30/2020	1.000	1.001	1.002	1.002	1.003	1.001	1.001	1.001	1.004*	1.358

* Calculated Using Modified Bondy Method

@ 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:											
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
6/30/2001	2,035,037	2,279,545	2,603,935	2,768,288	2,764,893	2,845,107	2,978,537	2,745,185	2,892,083	2,917,028	2,976,393
6/30/2002	1,629,551	1,910,256	1,980,618	1,993,758	2,098,967	2,219,537	2,155,521	2,088,093	2,193,592	2,193,593	2,200,093
6/30/2003	1,704,067	1,751,683	1,816,373	1,973,401	1,992,019	1,875,473	1,880,100	1,935,815	1,953,432	1,950,582	1,951,582
6/30/2004	2,248,733	2,384,378	2,677,258	3,053,113	3,217,624	3,198,410	3,110,632	3,203,649	3,145,649	3,213,219	3,212,340
6/30/2005	2,337,323	2,349,060	2,283,481	2,670,381	2,613,976	2,784,998	2,630,016	2,749,058	2,710,559	2,721,847	2,717,847
6/30/2006	1,751,357	2,009,842	2,271,715	2,212,719	2,271,702	2,404,801	2,516,500	2,529,597	2,517,556	2,519,779	2,450,413
6/30/2007	1,749,264	2,271,600	2,802,057	2,618,142	2,603,831	2,438,642	2,408,278	2,433,256	2,531,257	2,531,256	2,531,256
6/30/2008	1,483,524	1,895,416	1,453,660	1,508,256	1,447,971	1,480,001	1,458,190	1,450,990	1,452,990	1,453,092	1,474,301
6/30/2009	2,726,358	2,087,021	2,416,032	2,264,497	2,291,958	2,235,384	2,338,306	2,255,885	2,255,884	2,255,884	2,260,884
6/30/2010	1,761,937	1,771,532	1,725,682	1,824,373	1,922,703	1,965,703	2,016,698	1,965,698	2,064,703	1,960,057	1,959,694
6/30/2011	1,583,126	1,732,573	1,993,456	1,886,872	2,007,358	2,022,072	1,993,981	2,014,980	1,989,980	1,989,980	
6/30/2012	1,171,517	1,497,834	1,649,949	1,939,755	1,919,994	2,334,352	2,360,206	2,244,524	2,142,568		
6/30/2013	1,744,209	1,806,368	1,877,355	1,865,509	2,082,641	2,049,141	2,049,130	1,965,880			
6/30/2014	1,886,273	1,889,191	1,688,742	1,836,708	1,929,058	1,869,812	1,989,611				
6/30/2015	2,468,399	2,601,376	2,420,957	2,712,018	2,517,972	2,638,176					
6/30/2016	1,924,007	2,205,714	2,586,706	2,836,264	3,249,814						
6/30/2017	2,100,482	2,436,249	2,635,835	2,763,987							
6/30/2018	2,859,110	3,556,976	3,872,607								
6/30/2019	2,809,210	3,124,585									
6/30/2020	2,797,311										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2001	2,971,768	2,972,077	2,822,077	2,847,078	2,872,078	2,961,540	2,961,540	2,971,540	2,971,540
6/30/2002	2,205,092	2,233,093	2,225,092	2,225,092	2,325,092	2,325,092	2,330,092	2,328,043	
6/30/2003	1,960,082	1,960,082	2,060,082	2,260,082	2,353,413	2,358,191	2,357,191		
6/30/2004	3,313,219	3,315,095	3,322,995	3,313,483	3,313,383	3,313,383			
6/30/2005	2,722,068	2,717,854	2,717,854	2,723,882	2,723,882				
6/30/2006	2,454,178	2,549,368	2,558,515	2,553,103					
6/30/2007	2,531,257	2,616,627	2,615,521						
6/30/2008	1,469,301	1,463,455							
6/30/2009	2,263,091								

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

<u>A.Y.E.</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2001	1.120	1.142	1.063	0.999	1.029	1.047	0.922	1.054	1.009	1.020	0.998
6/30/2002	1.172	1.037	1.007	1.053	1.057	0.971	0.969	1.051	1.000	1.003	1.002
6/30/2003	1.028	1.037	1.086	1.009	0.941	1.002	1.030	1.009	0.999	1.001	1.004
6/30/2004	1.060	1.123	1.140	1.054	0.994	0.973	1.030	0.982	1.021	1.000	1.031
6/30/2005	1.005	0.972	1.169	0.979	1.065	0.944	1.045	0.986	1.004	0.999	1.002
6/30/2006	1.148	1.130	0.974	1.027	1.059	1.046	1.005	0.995	1.001	0.972	1.002
6/30/2007	1.299	1.234	0.934	0.995	0.937	0.988	1.010	1.040	1.000	1.000	1.000
6/30/2008	1.278	0.767	1.038	0.960	1.022	0.985	0.995	1.001	1.000	1.015	0.997
6/30/2009	0.765	1.158	0.937	1.012	0.975	1.046	0.965	1.000	1.000	1.002	1.001
6/30/2010	1.005	0.974	1.057	1.054	1.022	1.026	0.975	1.050	0.949	1.000	
6/30/2011	1.094	1.151	0.947	1.064	1.007	0.986	1.011	0.988	1.000		
6/30/2012	1.279	1.102	1.176	0.990	1.216	1.011	0.951	0.955			
6/30/2013	1.036	1.039	0.994	1.116	0.984	1.000	0.959				
6/30/2014	1.002	0.894	1.088	1.050	0.969	1.064					
6/30/2015	1.054	0.931	1.120	0.928	1.048						
6/30/2016	1.146	1.173	1.096	1.146							
6/30/2017	1.160	1.082	1.049								
6/30/2018	1.244	1.089									
6/30/2019	1.112										
3 Yr Mean	1.172	1.115	1.088	1.041	1.000	1.025	0.974	0.998	0.983	1.006	0.999
Best 3/5	1.139	1.034	1.078	1.052	1.013	1.012	0.966	0.996	1.000	1.001	1.001

<u>A.Y.E.</u>	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>
6/30/2001	1.000	0.950	1.009	1.009	1.031	1.000	1.003	1.000
6/30/2002	1.013	0.996	1.000	1.045	1.000	1.002	0.999	1.000 *
6/30/2003	1.000	1.051	1.097	1.041	1.002	1.000	1.000 *	1.000 *
6/30/2004	1.001	1.002	0.997	1.000	1.000	1.002 *	1.000 *	1.000 *
6/30/2005	0.998	1.000	1.002	1.000	1.017 *	1.002 *	1.000 *	1.000 *
6/30/2006	1.039	1.004	0.998					
6/30/2007	1.034	1.000						
6/30/2008	0.996							

3 Yr Mean	1.023	1.001	0.999	1.014	1.001 @	1.001 @	1.001 @	1.000 @
Best 3/5	1.011	1.002	1.000	1.017	1.006 *	1.001 *	1.000 *	1.000 *

<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2016					1.013	1.012	0.966	0.996	1.000	1.001	1.001
6/30/2017				1.052	1.013	1.012	0.966	0.996	1.000	1.001	1.001
6/30/2018			1.078	1.052	1.013	1.012	0.966	0.996	1.000	1.001	1.001
6/30/2019		1.034	1.078	1.052	1.013	1.012	0.966	0.996	1.000	1.001	1.001
6/30/2020	1.139	1.034	1.078	1.052	1.013	1.012	0.966	0.996	1.000	1.001	1.001

<u>A.Y.E.</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>
6/30/2016	1.011	1.002	1.000	1.017	1.006	1.001	1.000	1.000	1.000*	1.025
6/30/2017	1.011	1.002	1.000	1.017	1.006	1.001	1.000	1.000	1.000*	1.079
6/30/2018	1.011	1.002	1.000	1.017	1.006	1.001	1.000	1.000	1.000*	1.163
6/30/2019	1.011	1.002	1.000	1.017	1.006	1.001	1.000	1.000	1.000*	1.202
6/30/2020	1.011	1.002	1.000	1.017	1.006	1.001	1.000	1.000	1.000*	1.369

* Calculated Using Modified Bondy Method

@ 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>
6/30/2001	5,733,308	10,451,696	17,091,777	19,963,743	24,183,065	28,033,517	31,379,706	34,882,745	36,072,821	35,894,316	35,744,316
6/30/2002	3,624,518	8,180,311	10,487,976	15,497,654	19,745,770	27,464,486	31,093,744	34,544,748	36,537,211	37,203,156	38,154,290
6/30/2003	3,423,721	6,865,536	10,850,744	14,928,769	18,447,903	19,988,542	21,453,605	22,195,415	22,577,510	23,011,155	23,186,025
6/30/2004	3,311,557	7,107,845	11,387,801	15,169,258	19,149,364	22,180,584	24,242,810	24,976,112	26,356,232	27,205,949	27,225,818
6/30/2005	3,701,412	7,271,340	12,790,993	16,300,442	19,072,717	20,956,535	21,905,731	22,687,318	23,601,202	25,376,783	25,642,273
6/30/2006	2,598,191	6,243,105	10,329,034	14,040,611	15,743,524	19,365,642	21,578,166	22,296,429	22,453,022	22,845,879	25,903,470
6/30/2007	3,436,344	8,725,504	13,213,744	18,022,102	20,098,602	22,231,252	24,823,095	25,356,790	27,203,796	27,573,732	27,850,597
6/30/2008	4,366,689	8,882,851	14,431,717	19,052,066	23,377,516	25,831,759	26,723,852	27,849,191	28,993,511	29,896,173	30,917,910
6/30/2009	4,100,789	8,243,347	13,845,224	16,942,994	20,566,562	22,272,807	23,289,706	24,490,197	25,387,867	30,075,492	30,411,675
6/30/2010	4,769,494	10,113,567	15,959,222	20,854,803	24,418,316	26,537,079	29,082,695	30,118,922	30,910,114	31,079,996	31,676,473
6/30/2011	5,487,270	12,682,388	17,540,535	22,499,061	26,578,271	28,916,848	29,352,336	29,878,371	30,072,063	30,584,010	
6/30/2012	6,095,766	10,636,120	16,274,811	21,157,089	24,444,080	26,855,587	28,762,263	30,276,723	31,723,422		
6/30/2013	5,953,530	10,988,312	17,525,143	24,303,124	25,861,957	26,299,950	26,812,397	28,088,931			
6/30/2014	6,262,189	12,004,786	16,122,357	19,072,534	20,594,664	25,310,736	25,995,419				
6/30/2015	6,330,859	12,295,634	19,419,144	24,192,249	28,506,570	30,252,359					
6/30/2016	5,622,689	10,647,660	17,795,590	23,485,247	26,813,193						
6/30/2017	6,425,334	12,502,336	18,623,627	23,493,872							
6/30/2018	6,847,995	15,369,601	22,439,698								
6/30/2019	5,631,580	11,473,435									
6/30/2020	7,217,339										

<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>
6/30/2001	36,165,049	36,358,192	36,343,494	36,365,657	36,389,212	36,424,681	36,415,141	36,434,447	36,439,688
6/30/2002	38,934,572	39,028,645	39,013,238	39,352,611	39,468,914	39,760,966	39,804,916	40,025,018	
6/30/2003	23,234,078	23,284,574	23,235,358	23,385,426	23,410,099	23,510,518	23,489,141		
6/30/2004	28,074,708	28,135,741	28,195,458	28,096,536	28,240,704	28,326,970			
6/30/2005	25,574,471	25,952,923	26,172,101	26,204,524	26,282,026				
6/30/2006	26,229,666	26,101,942	26,309,139	26,546,060					
6/30/2007	28,024,767	28,173,106	28,163,968						
6/30/2008	31,293,029	31,407,984							
6/30/2009	29,012,053								

PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR INCREMENTAL ALAE DEVELOPMENT

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2001	4,718,388	6,640,081	2,871,966	4,219,322	3,850,452	3,346,189	3,503,039	1,190,076	-178,505	-150,000	420,733	193,143	-14,698
6/30/2002	4,555,793	2,307,665	5,009,678	4,248,116	7,718,716	3,629,258	3,451,004	1,992,463	665,945	951,134	780,282	94,073	-15,407
6/30/2003	3,441,815	3,985,208	4,078,025	3,519,134	1,540,639	1,465,063	741,810	382,095	433,645	174,870	48,053	50,496	-49,216
6/30/2004	3,796,288	4,279,956	3,781,457	3,980,106	3,031,220	2,062,226	733,302	1,380,120	849,717	19,869	848,890	61,033	59,717
6/30/2005	3,569,928	5,519,653	3,509,449	2,772,275	1,883,818	949,196	781,587	913,884	1,775,581	265,490	-67,802	378,452	219,178
6/30/2006	3,644,914	4,085,929	3,711,577	1,702,913	3,622,118	2,212,524	718,263	156,593	392,857	3,057,591	326,196	-127,724	207,197
6/30/2007	5,289,160	4,488,240	4,808,358	2,076,500	2,132,650	2,591,843	533,695	1,847,006	369,936	276,865	174,170	148,339	-9,138
6/30/2008	4,516,162	5,548,866	4,620,349	4,325,450	2,454,243	892,093	1,125,339	1,144,320	902,662	1,021,737	375,119	114,955	
6/30/2009	4,142,558	5,601,877	3,097,770	3,623,568	1,706,245	1,016,899	1,200,491	897,670	4,687,625	336,183	-1,399,622		
6/30/2010	5,344,073	5,845,655	4,895,581	3,563,513	2,118,763	2,545,616	1,036,227	791,192	169,882	596,477			
6/30/2011	7,195,118	4,858,147	4,958,526	4,079,210	2,338,577	435,488	526,035	193,692	511,947				
6/30/2012	4,540,354	5,638,691	4,882,278	3,286,991	2,411,507	1,906,676	1,514,460	1,446,699					
6/30/2013	5,034,782	6,536,831	6,777,981	1,558,833	437,993	512,447	1,276,534						
6/30/2014	5,742,597	4,117,571	2,950,177	1,522,130	4,716,072	684,683							
6/30/2015	5,964,775	7,123,510	4,773,105	4,314,321	1,745,789								
6/30/2016	5,024,971	7,147,930	5,689,657	3,327,946									
6/30/2017	6,077,002	6,121,291	4,870,245										
6/30/2018	8,521,606	7,070,097											
6/30/2019	5,841,855												

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
6/30/2001	0.0790	0.1112	0.0481	0.0707	0.0645	0.0560	0.0587	0.0199	-0.0030	-0.0025	0.0070	0.0032	-0.0002
6/30/2002	0.0749	0.0380	0.0824	0.0699	0.1270	0.0597	0.0568	0.0328	0.0110	0.0156	0.0128	0.0015	-0.0003
6/30/2003	0.0643	0.0745	0.0762	0.0658	0.0288	0.0274	0.0139	0.0071	0.0081	0.0033	0.0009	0.0009	-0.0009
6/30/2004	0.0712	0.0803	0.0709	0.0746	0.0568	0.0387	0.0138	0.0259	0.0159	0.0004	0.0159	0.0011	0.0011
6/30/2005	0.0769	0.1189	0.0756	0.0597	0.0406	0.0205	0.0168	0.0197	0.0383	0.0057	-0.0015	0.0082	0.0047
6/30/2006	0.0843	0.0945	0.0859	0.0394	0.0838	0.0512	0.0166	0.0036	0.0091	0.0707	0.0075	-0.0030	0.0048
6/30/2007	0.1102	0.0935	0.1002	0.0433	0.0444	0.0540	0.0111	0.0385	0.0077	0.0058	0.0036	0.0031	-0.0002
6/30/2008	0.0861	0.1058	0.0881	0.0825	0.0468	0.0170	0.0215	0.0218	0.0172	0.0195	0.0072	0.0022	
6/30/2009	0.0756	0.1022	0.0565	0.0661	0.0311	0.0185	0.0219	0.0164	0.0855	0.0061	-0.0255		
6/30/2010	0.0907	0.0992	0.0831	0.0605	0.0360	0.0432	0.0176	0.0134	0.0029	0.0101			
6/30/2011	0.1039	0.0701	0.0716	0.0589	0.0338	0.0063	0.0076	0.0028	0.0074				
6/30/2012	0.0675	0.0839	0.0726	0.0489	0.0359	0.0284	0.0225	0.0215					
6/30/2013	0.0765	0.0993	0.1030	0.0237	0.0067	0.0078	0.0194						
6/30/2014	0.0759	0.0544	0.0390	0.0201	0.0623	0.0090							
6/30/2015	0.0782	0.0933	0.0625	0.0565	0.0229								
6/30/2016	0.0718	0.1021	0.0813	0.0476									
6/30/2017	0.0804	0.0809	0.0644										
6/30/2018	0.0983	0.0815											
6/30/2019	0.0700												

Best 3/5	0.0768	0.0853	0.0694	0.0400	0.0308	0.0151	0.0196	0.0171	0.0108	0.0119	0.0031	0.0021	0.0019
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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>
6/30/2001	13,384,222	29,291,295	31,804,222	35,200,694	36,764,932	36,754,955	36,945,131	36,971,716	37,044,971	36,846,568	36,615,423
6/30/2002	15,362,374	18,769,289	22,220,371	24,840,331	22,848,106	22,260,520	22,147,459	21,931,392	22,103,294	22,157,418	22,014,620
6/30/2003	11,262,126	13,881,263	17,341,647	15,557,894	15,454,014	15,639,623	14,816,730	14,593,570	14,823,502	14,640,371	14,834,038
6/30/2004	16,609,979	21,795,855	18,793,534	19,370,204	18,891,303	18,450,597	18,491,447	18,397,448	18,408,488	18,635,145	18,604,800
6/30/2005	14,556,775	18,678,744	21,147,798	20,743,068	20,277,111	20,371,609	19,969,956	20,068,529	20,164,562	20,439,318	20,383,237
6/30/2006	19,338,620	23,494,620	24,388,910	23,604,773	22,930,689	22,829,033	22,541,523	22,640,052	22,433,115	22,254,267	22,269,268
6/30/2007	18,480,636	22,420,519	23,073,434	23,371,141	23,210,278	22,718,485	22,623,885	22,758,941	22,826,499	23,060,981	22,993,831
6/30/2008	17,053,908	18,816,847	18,686,506	18,660,126	18,649,920	18,798,492	19,101,109	19,301,002	19,253,467	19,277,640	19,169,300
6/30/2009	14,056,661	16,358,584	15,976,239	16,100,495	16,985,433	17,061,923	17,124,227	16,953,750	16,687,154	16,767,155	16,811,251
6/30/2010	12,079,749	15,408,822	16,260,567	16,119,763	16,506,925	16,284,120	16,051,315	15,995,201	16,119,687	16,452,615	16,302,476
6/30/2011	9,803,314	11,427,155	12,487,095	13,472,970	13,591,976	13,546,026	13,237,177	12,945,110	13,183,265	13,219,258	
6/30/2012	8,786,599	11,237,085	11,093,695	11,331,053	11,730,188	11,169,395	11,079,048	11,210,561	11,233,200		
6/30/2013	9,116,299	10,718,650	12,025,642	12,165,492	12,479,097	12,458,132	12,319,029	12,332,359			
6/30/2014	8,317,166	11,249,546	14,333,011	14,406,327	14,689,614	14,886,158	14,870,036				
6/30/2015	8,862,808	11,368,286	14,799,956	16,763,496	17,581,545	17,535,141					
6/30/2016	10,179,377	13,089,628	16,688,746	16,916,114	16,734,299						
6/30/2017	10,117,307	13,210,175	14,361,399	14,651,607							
6/30/2018	10,879,300	14,262,222	15,316,196								
6/30/2019	7,784,788	9,435,255									
6/30/2020	13,078,294										

<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>
6/30/2001	36,514,067	36,698,767	36,698,767	36,788,767	36,799,102	36,799,001	36,903,502	36,903,501	37,004,551
6/30/2002	22,159,183	22,242,658	22,342,658	22,296,008	22,288,158	22,418,759	22,518,758	22,593,758	
6/30/2003	14,789,768	14,854,669	14,858,966	14,936,466	15,053,964	15,053,964	15,053,964		
6/30/2004	18,400,686	18,475,797	18,520,597	18,632,991	18,632,991	18,632,991			
6/30/2005	20,129,489	20,254,486	20,326,881	20,226,881	20,326,884				
6/30/2006	22,478,018	22,339,518	22,439,517	22,340,016					
6/30/2007	22,943,661	23,004,557	22,993,425						
6/30/2008	19,069,300	19,089,300							
6/30/2009	16,782,476								

PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS

FULL COVERAGE

MULTISTATE

FRINGE COVERAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2001	2.188	1.086	1.107	1.044	1.000	1.005	1.001	1.002	0.995	0.994	0.997
6/30/2002	1.222	1.184	1.118	0.920	0.974	0.995	0.990	1.008	1.002	0.994	1.007
6/30/2003	1.233	1.249	0.897	0.993	1.012	0.947	0.985	1.016	0.988	1.013	0.997
6/30/2004	1.312	0.862	1.031	0.975	0.977	1.002	0.995	1.001	1.012	0.998	0.989
6/30/2005	1.283	1.132	0.981	0.978	1.005	0.980	1.005	1.005	1.014	0.997	0.988
6/30/2006	1.215	1.038	0.968	0.971	0.996	0.987	1.004	0.991	0.992	1.001	1.009
6/30/2007	1.213	1.029	1.013	0.993	0.979	0.996	1.006	1.003	1.010	0.997	0.998
6/30/2008	1.103	0.993	0.999	0.999	1.008	1.016	1.010	0.998	1.001	0.994	0.995
6/30/2009	1.164	0.977	1.008	1.055	1.005	1.004	0.990	0.984	1.005	1.003	0.998
6/30/2010	1.276	1.055	0.991	1.024	0.987	0.986	0.997	1.008	1.021	0.991	
6/30/2011	1.166	1.093	1.079	1.009	0.997	0.977	0.978	1.018	1.003		
6/30/2012	1.279	0.987	1.021	1.035	0.952	0.992	1.012	1.002			
6/30/2013	1.176	1.122	1.012	1.026	0.998	0.989	1.001				
6/30/2014	1.353	1.274	1.005	1.020	1.013	0.999					
6/30/2015	1.283	1.302	1.133	1.049	0.997						
6/30/2016	1.286	1.275	1.014	0.989							
6/30/2017	1.306	1.087	1.020								
6/30/2018	1.311	1.074									
6/30/2019	1.212										

3 Yr Mean 1.276 1.145 1.056 1.019 1.003 0.993 0.997 1.009 1.010 0.996 0.997

Best 3/5 1.292 1.212 1.015 1.027 0.997 0.989 0.996 1.003 1.006 0.997 0.997

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2001	1.005	1.000	1.002	1.000	1.000	1.003	1.000	1.003
6/30/2002	1.004	1.004	0.998	1.000	1.006	1.004	1.003	1.002 *
6/30/2003	1.004	1.000	1.005	1.008	1.000	1.000	1.002 *	1.002 *
6/30/2004	1.004	1.002	1.006	1.000	1.000	1.001 *	1.002 *	1.002 *
6/30/2005	1.006	1.004	0.995	1.005	1.002 *	1.001 *	1.002 *	1.002 *
6/30/2006	0.994	1.004	0.996					
6/30/2007	1.003	1.000						
6/30/2008	1.001							

3 Yr Mean 0.999 1.003 0.999 1.004 1.002 @ 1.002 @ 1.002 @ 1.003 @

Best 3/5 1.003 1.002 1.000 1.002 1.001 * 1.002 * 1.002 * 1.002 *

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
6/30/2016					0.997	0.989	0.996	1.003	1.006	0.997	0.997
6/30/2017				1.027	0.997	0.989	0.996	1.003	1.006	0.997	0.997
6/30/2018			1.015	1.027	0.997	0.989	0.996	1.003	1.006	0.997	0.997
6/30/2019		1.212	1.015	1.027	0.997	0.989	0.996	1.003	1.006	0.997	0.997
6/30/2020	1.292	1.212	1.015	1.027	0.997	0.989	0.996	1.003	1.006	0.997	0.997

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2016	1.003	1.002	1.000	1.002	1.001	1.002	1.002	1.002	1.008*	1.007
6/30/2017	1.003	1.002	1.000	1.002	1.001	1.002	1.002	1.002	1.008*	1.034
6/30/2018	1.003	1.002	1.000	1.002	1.001	1.002	1.002	1.002	1.008*	1.050
6/30/2019	1.003	1.002	1.000	1.002	1.001	1.002	1.002	1.002	1.008*	1.272
6/30/2020	1.003	1.002	1.000	1.002	1.001	1.002	1.002	1.002	1.008*	1.644

* Calculated Using Modified Bondy Method

@ 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>
6/30/2001	4,350,739	14,845,683	21,070,920	27,803,176	31,064,848	35,848,620	37,245,719	37,950,002	38,817,870	39,948,394	39,985,108
6/30/2002	5,306,118	10,126,671	14,460,985	18,178,970	17,932,851	20,197,069	21,499,583	21,383,757	21,528,061	21,706,929	21,726,930
6/30/2003	3,682,687	9,018,468	11,817,539	15,224,438	16,881,962	18,294,690	26,599,828	28,509,957	32,195,712	32,604,329	32,907,147
6/30/2004	3,599,477	7,604,665	12,344,807	17,188,364	20,350,846	20,686,399	20,763,357	21,681,918	22,120,196	22,215,503	22,372,359
6/30/2005	2,473,986	8,029,108	13,656,354	16,388,669	17,784,360	19,802,745	19,750,732	19,747,760	20,687,455	21,703,887	22,115,543
6/30/2006	2,880,516	9,135,255	13,343,430	16,512,549	18,241,561	19,509,043	23,188,196	24,432,778	26,817,115	29,446,410	29,556,217
6/30/2007	2,646,539	7,774,363	16,598,447	20,502,455	22,701,913	23,155,554	19,213,497	22,274,461	22,309,258	22,342,370	22,411,797
6/30/2008	2,149,575	7,200,548	12,800,703	16,892,757	17,541,525	18,474,036	19,144,609	19,786,852	19,912,048	20,124,439	20,416,633
6/30/2009	3,207,220	8,478,293	12,189,293	17,703,301	24,013,816	26,641,788	27,388,952	27,857,940	28,211,496	28,703,723	25,454,650
6/30/2010	3,400,963	12,209,725	19,963,328	22,202,581	27,034,401	30,403,516	32,365,216	34,039,160	34,191,833	34,520,669	40,608,612
6/30/2011	4,208,574	12,990,229	19,648,638	24,820,826	29,581,916	31,863,875	33,645,457	34,082,371	34,376,498	35,238,120	
6/30/2012	3,406,788	10,203,943	13,079,651	23,420,281	24,767,723	28,170,022	30,378,226	31,974,761	32,737,158		
6/30/2013	3,032,474	9,149,379	13,256,778	18,559,283	22,071,468	24,265,220	28,445,809	24,785,697			
6/30/2014	4,465,522	12,150,957	17,866,781	19,070,239	24,311,008	29,398,114	31,693,068				
6/30/2015	4,737,169	9,978,810	16,818,373	25,315,023	27,778,678	30,352,877					
6/30/2016	5,207,836	11,135,220	15,256,140	17,041,441	18,909,166						
6/30/2017	4,080,974	10,318,544	14,437,754	18,365,495							
6/30/2018	4,893,226	15,831,256	23,072,059								
6/30/2019	3,822,895	6,839,220									
6/30/2020	4,463,216										

<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>
6/30/2001	39,941,798	39,943,090	39,949,250	39,938,426	39,939,973	39,939,973	39,939,974	39,955,314	39,968,535
6/30/2002	21,815,709	21,860,693	21,925,071	21,928,272	21,927,855	22,078,982	22,124,287	22,236,860	
6/30/2003	32,876,522	35,705,513	35,713,732	35,421,232	35,857,992	35,847,406	35,842,882		
6/30/2004	22,334,238	22,545,745	22,527,962	22,574,807	22,610,676	22,653,423			
6/30/2005	22,437,917	23,841,140	24,141,802	25,011,288	25,287,464				
6/30/2006	29,808,330	29,896,636	30,136,257	28,521,957					
6/30/2007	22,442,072	22,537,108	22,545,104						
6/30/2008	20,459,633	20,711,978							
6/30/2009	29,409,713								

PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MULTISTATE
FRINGE COVERAGE - OCCURRENCE
INCURRED ACCIDENT YEAR INCREMENTAL ALAE DEVELOPMENT

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2001	10,494,944	6,225,237	6,732,256	3,261,672	4,783,772	1,397,099	704,283	867,868	1,130,524	36,714	-43,310	1,292	6,160
6/30/2002	4,820,553	4,334,314	3,717,985	-246,119	2,264,218	1,302,514	-115,826	144,304	178,868	20,001	88,779	44,984	64,378
6/30/2003	5,335,781	2,799,071	3,406,899	1,657,524	1,412,728	8,305,138	1,910,129	3,685,755	408,617	302,818	-30,625	2,828,991	8,219
6/30/2004	4,005,188	4,740,142	4,843,557	3,162,482	335,553	76,958	918,561	438,278	95,307	156,856	-38,121	211,507	-17,783
6/30/2005	5,555,122	5,627,246	2,732,315	1,395,691	2,018,385	-52,013	-2,972	939,695	1,016,432	411,656	322,374	1,403,223	300,662
6/30/2006	6,254,739	4,208,175	3,169,119	1,729,012	1,267,482	3,679,153	1,244,582	2,384,337	2,629,295	109,807	252,113	88,306	239,621
6/30/2007	5,127,824	8,824,084	3,904,008	2,199,458	453,641	-3,942,057	3,060,964	34,797	33,112	69,427	30,275	95,036	7,996
6/30/2008	5,050,973	5,600,155	4,092,054	648,768	932,511	670,573	642,243	125,196	212,391	292,194	43,000	252,345	
6/30/2009	5,271,073	3,711,000	5,514,008	6,310,515	2,627,972	747,164	468,988	353,556	492,227	-3,249,073	3,955,063		
6/30/2010	8,808,762	7,753,603	2,239,253	4,831,820	3,369,115	1,961,700	1,673,944	152,673	328,836	6,087,943			
6/30/2011	8,781,655	6,658,409	5,172,188	4,761,090	2,281,959	1,781,582	436,914	294,127	861,622				
6/30/2012	6,797,155	2,875,708	10,340,630	1,347,442	3,402,299	2,208,204	1,596,535	762,397					
6/30/2013	6,116,905	4,107,399	5,302,505	3,512,185	2,193,752	4,180,589	-3,660,112						
6/30/2014	7,685,435	5,715,824	1,203,458	5,240,769	5,087,106	2,294,954							
6/30/2015	5,241,641	6,839,563	8,496,650	2,463,655	2,574,199								
6/30/2016	5,927,384	4,120,920	1,785,301	1,867,725									
6/30/2017	6,237,570	4,119,210	3,927,741										
6/30/2018	10,938,030	7,240,803											
6/30/2019	3,016,325												

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
6/30/2001	0.1785	0.1059	0.1145	0.0555	0.0813	0.0238	0.0120	0.0148	0.0192	0.0006	-0.0007	0.0000	0.0001
6/30/2002	0.1338	0.1203	0.1032	-0.0068	0.0628	0.0361	-0.0032	0.0040	0.0050	0.0006	0.0025	0.0012	0.0018
6/30/2003	0.2224	0.1167	0.1420	0.0691	0.0589	0.3461	0.0796	0.1536	0.0170	0.0126	-0.0013	0.1179	0.0003
6/30/2004	0.1333	0.1577	0.1612	0.1052	0.0112	0.0026	0.0306	0.0146	0.0032	0.0052	-0.0013	0.0070	-0.0006
6/30/2005	0.1622	0.1643	0.0798	0.0408	0.0589	-0.0015	-0.0001	0.0274	0.0297	0.0120	0.0094	0.0410	0.0088
6/30/2006	0.1921	0.1292	0.0973	0.0531	0.0389	0.1130	0.0382	0.0732	0.0808	0.0034	0.0077	0.0027	0.0074
6/30/2007	0.1453	0.2501	0.1106	0.0623	0.0129	-0.1117	0.0867	0.0010	0.0009	0.0020	0.0009	0.0027	0.0002
6/30/2008	0.1772	0.1965	0.1436	0.0228	0.0327	0.0235	0.0225	0.0044	0.0075	0.0103	0.0015	0.0089	
6/30/2009	0.1977	0.1392	0.2068	0.2367	0.0986	0.0280	0.0176	0.0133	0.0185	-0.1219	0.1483		
6/30/2010	0.2844	0.2504	0.0723	0.1560	0.1088	0.0633	0.0540	0.0049	0.0106	0.1966			
6/30/2011	0.3665	0.2779	0.2159	0.1987	0.0952	0.0744	0.0182	0.0123	0.0360				
6/30/2012	0.3486	0.1475	0.5303	0.0691	0.1745	0.1132	0.0819	0.0391					
6/30/2013	0.2856	0.1918	0.2475	0.1640	0.1024	0.1952	-0.1709						
6/30/2014	0.2938	0.2185	0.0460	0.2004	0.1945	0.0877							
6/30/2015	0.1740	0.2271	0.2821	0.0818	0.0855								
6/30/2016	0.2103	0.1462	0.0633	0.0663									
6/30/2017	0.2423	0.1600	0.1526										
6/30/2018	0.3640	0.2410											
6/30/2019	0.1485												

Best 3/5	0.2089	0.2019	0.1545	0.1050	0.1240	0.0918	0.0300	0.0102	0.0122	0.0052	0.0062	0.0062	0.0026
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Multistate Review of ULAE Experience
General Liability Including CMP Liability
Loss Adjustment Expense Special Call
Calendar Years 2015- 2019

<u>Item *</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2015 - 2019 Mean</u>
1. Direct Losses Incurred	\$24,958,455	\$25,388,567	\$22,632,160	\$26,519,433	\$28,416,595	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$6,032,038	\$4,939,134	\$5,935,928	\$5,781,764	\$5,750,906	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$2,454,825	\$2,540,806	\$2,332,466	\$2,282,751	\$2,814,839	
4. Incurred Losses + ALAE [(1) + (2)]	\$30,990,493	\$30,327,701	\$28,568,088	\$32,301,197	\$34,167,501	
	<u>Incurred Percentage</u>					
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	7.9%	8.4%	8.2%	7.1%	8.2%	8.0%
6. Selected	8.0%					

Notes: All dollar amounts are displayed in thousands.

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

PREMISES / OPERATIONS
TREND SUMMARY
AVERAGE ANNUAL PERCENT CHANGES

(1) <u>EXPOSURE TREND</u>	<u>MANUFACTURERS</u>	<u>CONTRACTORS</u>	<u>OL&T</u> <u>CLASS GROUPS 1-13 *</u>	<u>OL&T</u> <u>CLASS GROUP 16</u>	<u>PREMISES/</u> <u>OPERATIONS</u>
a) 1/1/2018 to 1/1/2023 AYE 6/30/2018	+ 1.4%	+ 2.5%	+ 1.2%	+ 2.3%	+ 1.1%
b) 1/1/2019 to 1/1/2023 AYE 6/30/2019	+ 1.4%	+ 2.3%	+ 1.2%	+ 2.0%	+ 1.0%
c) 1/1/2020 to 1/1/2023 AYE 6/30/2020	+ 2.0%	+ 2.3%	+ 1.2%	+ 2.2%	+ 1.1%

	<u>MANUFACTURERS & CONTRACTORS</u>			<u>OWNERS, LANDLORDS & TENANTS</u>		
(2) <u>OCCURRENCE SEVERITY</u>	<u>Bodily</u> <u>Injury</u>	<u>Property</u> <u>Damage</u>	<u>Fringe</u>	<u>Bodily</u> <u>Injury</u>	<u>Property</u> <u>Damage</u>	<u>Fringe</u>
a) Fitted						
All Years (20 Points)	+ 4.4%	+ 5.6%	- 3.2%	+ 4.9%	+ 6.2%	- 4.4%
Eight Year (16 Points)	+ 4.8%	+ 4.2%	- 7.9%	+ 5.3%	+ 7.3%	- 2.4%
Six Year (12 Points)	+ 4.8%	+ 4.1%	- 10.0%	+ 5.6%	+ 9.4%	+ 0.9%
b) Selected	+ 4.5%	+ 4.5%	0.0%	+ 4.5%	+ 5.5%	0.0%

(3) <u>FREQUENCY TREND</u>	<u>M&C</u>	<u>OL&T</u>
Selected	0.0%	- 0.5%
(4) <u>TOTAL ANNUAL NET TREND</u>	+ 2.3%	+ 3.7%

Net trend = (frequency trend × severity trend) / exposure trend

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

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

MANUFACTURERS AND CONTRACTORS
AVERAGE ANNUAL EXPOSURE TRENDS
FOR ACCIDENT YEARS ENDING 6/30/2018, 6/30/2019 & 6/30/2020

(1)		(2)	(3)	(1)		(2)	(3)
YEAR ENDING QUARTER*		MANUFACTURERS CLASS GROUP SALES EXPOSURE INDICES	CONTRACTORS CLASS GROUP PAYROLL EXPOSURE INDICES	YEAR ENDING QUARTER*		MANUFACTURERS CLASS GROUP SALES EXPOSURE INDICES	CONTRACTORS CLASS GROUP PAYROLL EXPOSURE INDICES
2010	1	0.964	22.806	2017	1	1.033	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	0.968	23.312	2018	1	1.043	26.955
	2	0.973	23.427		2	1.047	27.203
	3	0.978	23.556		3	1.051	27.440
	4	0.982	23.638		4	1.054	27.728
2012	1	0.986	23.715	2019	1	1.057	27.950
	2	0.990	23.794		2	1.060	28.185
	3	0.995	23.873		3	1.062	28.361
	4	1.000	23.965		4	1.064	28.515
2013	1	1.004	24.062	2020	1	1.065	28.703
	2	1.006	24.140		2	1.059	28.830
	3	1.008	24.167		3	1.057	29.003
	4	1.010	24.208		4	1.058	29.191
2014	1	1.012	24.299	2021	1P	1.059	29.382
	2	1.016	24.405		2P	1.067	29.600
	3	1.019	24.538		3P	1.073	29.785
	4	1.022	24.663		4P	1.079	29.940
2015	1	1.024	24.759	2022	1P	1.088	30.077
	2	1.026	24.909		2P	1.096	30.217
	3	1.027	25.013		3P	1.104	30.365
	4	1.030	25.172		4P	1.111	30.519
2016	1	1.030	25.313	2023	1P	1.117	30.679
	2	1.030	25.480		2P	1.122	30.848
	3	1.029	25.731		3P	1.128	31.020
	4	1.030	25.938		4P	1.133	31.197
CHANGE IN EXPOSURES			MANUFACTURERS	CONTRACTORS			
1/1/2018 to 1/1/2023		(2023:2/2018:2)	1.072	1.134			
1/1/2019 to 1/1/2023		(2023:2/2019:2)	1.059	1.094			
1/1/2020 to 1/1/2023		(2023:2/2020:2)	1.060	1.070			
AVERAGE ANNUAL TREND FACTOR							
1/1/2018 to 1/1/2023		(5.0 YRS)	1.014	1.025			
1/1/2019 to 1/1/2023		(4.0 YRS)	1.014	1.023			
1/1/2020 to 1/1/2023		(3.0 YRS)	1.020	1.023			

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

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

<u>TYPE OF CLASS</u>	<u>VOLUME</u> ²	<u>INFLATION TREND</u> ³
FURNITURE	10.0%	0.5%
OTHER DURABLES	6.0%	-1.1%
CLOTHING	9.2%	-1.0%
FOOD	42.8%	2.0%
OTHER NON-DURABLES	28.4%	1.2%
RECREATION SERVICES	3.6%	2.4%
TOTAL	100.0%	1.2% ⁴

- ¹ These figures were derived from data supplied by Moody's Analytics. Neither Moody's Analytics nor any of its third party licensors makes any warranties, expressed or implied, as to the results obtained using their data and forecasts.
- ² Volume weights are based on each type of class's inflation-adjusted contribution to GDP in year ending 6/30/2020. 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 2023.
- 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
2010	1	1.051	0.984	0.957	0.936	0.962	0.949	2017	1	0.895	0.897	0.999	1.066	1.042	1.086
	2	1.039	0.983	0.956	0.937	0.966	0.953		2	0.888	0.893	0.997	1.068	1.046	1.092
	3	1.027	0.982	0.953	0.940	0.968	0.955		3	0.882	0.890	0.995	1.071	1.048	1.100
	4	1.015	0.982	0.949	0.943	0.970	0.957		4	0.875	0.887	0.992	1.075	1.050	1.108
2011	1	1.006	0.987	0.947	0.948	0.973	0.960	2018	1	0.869	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	0.878	0.993	1.086	1.055	1.126
	4	1.000	1.008	0.965	0.975	0.985	0.973		4	0.866	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	0.991	1.095	1.055	1.136
	2	1.001	1.009	0.988	0.991	0.993	0.986		2	0.869	0.857	0.984	1.100	1.055	1.142
	3	1.000	1.005	0.994	0.996	0.997	0.993		3	0.872	0.852	0.984	1.105	1.056	1.147
	4	1.000	1.000	1.000	1.000	1.000	1.000		4	0.872	0.851	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	0.848	0.976	1.113	1.063	1.160
	2	0.994	0.989	1.006	1.008	1.001	1.009		2	0.869	0.842	0.961	1.117	1.066	1.166
	3	0.988	0.985	1.009	1.012	1.001	1.013		3	0.872	0.835	0.944	1.123	1.070	1.173
	4	0.981	0.979	1.010	1.015	1.002	1.017		4	0.878	0.827	0.930	1.130	1.070	1.181
2014	1	0.972	0.970	1.010	1.018	1.004	1.022	2021	1P	0.882	0.824	0.923	1.136	1.071	1.188
	2	0.962	0.959	1.012	1.024	1.006	1.028		2P	0.885	0.825	0.931	1.141	1.073	1.193
	3	0.954	0.950	1.013	1.030	1.009	1.032		3P	0.884	0.825	0.936	1.145	1.075	1.200
	4	0.947	0.940	1.013	1.038	1.013	1.036		4P	0.882	0.827	0.941	1.150	1.079	1.207
2015	1	0.940	0.931	1.011	1.045	1.017	1.038	2022	1P	0.882	0.828	0.941	1.156	1.084	1.216
	2	0.936	0.923	1.007	1.050	1.021	1.042		2P	0.882	0.828	0.941	1.163	1.090	1.225
	3	0.930	0.914	1.004	1.054	1.023	1.047		3P	0.884	0.830	0.942	1.170	1.096	1.235
	4	0.924	0.906	1.001	1.058	1.025	1.052		4P	0.886	0.831	0.943	1.177	1.103	1.245
2016	1	0.920	0.902	0.999	1.061	1.027	1.058	2023	1P	0.888	0.833	0.945	1.185	1.110	1.255
	2	0.913	0.901	0.999	1.063	1.030	1.064		2P	0.890	0.834	0.946	1.192	1.117	1.264
	3	0.907	0.899	0.998	1.064	1.034	1.071		3P	0.890	0.835	0.946	1.199	1.125	1.273
	4	0.900	0.899	0.998	1.065	1.038	1.077		4P	0.890	0.835	0.947	1.206	1.132	1.281

Change In Exposures*

Average Annual Trend Factor

1/1/2018 to 1/1/2023 (2023:2/2018:2)	1.028	0.946	0.951	1.102	1.060	1.129	1/1/2018 to 1/1/2023 (5.0 Years)	0.5%	-1.1%	-1.0%	2.0%	1.2%	2.4%
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*Assumes a loss cost revision date of January 1, 2022, and a prospective average date of coverage one year later (January 1, 2023).

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PREMISES/OPERATIONS
GOVERNMENTAL SUBDIVISIONS
OWNERS, LANDLORDS AND TENANTS
AVERAGE ANNUAL EXPOSURE TRENDS
FOR ACCIDENT YEARS ENDING 6/30/2018, 6/30/2019 & 6/30/2020

(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 @
2010	1	0.926	2017	1	1.064
	2	0.933		2	1.069
	3	0.940		3	1.076
	4	0.947		4	1.085
2011	1	0.954	2018	1	1.094
	2	0.962		2	1.106
	3	0.971		3	1.117
	4	0.977		4	1.128
2012	1	0.984	2019	1	1.135
	2	0.988		2	1.141
	3	0.992		3	1.146
	4	1.000		4	1.150
2013	1	1.007	2020	1	1.157
	2	1.016		2	1.159
	3	1.025		3	1.163
	4	1.033		4	1.168
2014	1	1.040	2021	1P	1.172
	2	1.046		2P	1.179
	3	1.052		3P	1.186
	4	1.056		4P	1.192
2015	1	1.056	2022	1P	1.200
	2	1.057		2P	1.207
	3	1.057		3P	1.214
	4	1.056		4P	1.221
2016	1	1.055	2023	1P	1.228
	2	1.055		2P	1.236
	3	1.055		3P	1.243
	4	1.058		4P	1.251
CHANGE IN EXPOSURES			AVERAGE ANNUAL TREND FACTOR		
1/1/2018 to 1/1/2023		(2023:2/2018:2) 1.118	1/1/2018 to 1/1/2023		(5.0 YRS) 1.023
1/1/2019 to 1/1/2023		(2023:2/2019:2) 1.083	1/1/2019 to 1/1/2023		(4.0 YRS) 1.020
1/1/2020 to 1/1/2023		(2023:2/2020:2) 1.066	1/1/2020 to 1/1/2023		(3.0 YRS) 1.022

* 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
12/31/2010	\$ 234,729,164	4,286	\$ 54,766	\$ 55,361		
6/30/2011	252,188,154	4,459	56,557	56,579		
12/31/2011	261,162,665	4,333	60,273	57,824		
6/30/2012	233,198,602	3,823	60,999	59,096		
12/31/2012	216,563,887	3,593	60,274	60,396	\$ 59,457	
6/30/2013	217,595,780	3,610	60,276	61,724	60,860	
12/31/2013	225,605,509	3,680	61,306	63,082	62,297	
6/30/2014	253,218,694	3,898	64,961	64,470	63,768	
12/31/2014	250,226,518	3,656	68,443	65,888	65,273	\$ 65,117
6/30/2015	227,163,415	3,434	66,151	67,338	66,814	66,677
12/31/2015	222,280,928	3,389	65,589	68,819	68,391	68,274
6/30/2016	223,805,909	3,108	72,010	70,333	70,006	69,909
12/31/2016	225,208,910	3,103	72,578	71,880	71,658	71,584
6/30/2017	222,082,854	3,134	70,862	73,461	73,350	73,298
12/31/2017	237,454,676	3,154	75,287	75,077	75,082	75,054
6/30/2018	242,168,083	3,196	75,772	76,729	76,854	76,851
12/31/2018	237,551,125	3,187	74,538	78,417	78,669	78,692
6/30/2019	249,394,472	3,141	79,400	80,142	80,526	80,577
12/31/2019	257,728,021	3,140	82,079	81,905	82,427	82,507
6/30/2020	266,128,401	2,926	90,953	83,706	84,373	84,483
Goodness of Fit Statistic, R-Squared:				0.940	0.920	0.840
Average Annual Severity Trend (10 yr)				+ 4.4%		
Average Annual Severity Trend (8 yr)				+ 4.8%		
Average Annual Severity Trend (6 yr)				+ 4.8%		
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 Section B- 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
12/31/2010	\$ \$165,254,288	15,411	\$ 10,723	\$ 11,270		
6/30/2011	173,284,254	15,643	11,077	11,583		
12/31/2011	174,283,012	15,579	11,187	11,905		
6/30/2012	170,048,518	14,969	11,360	12,235		
12/31/2012	180,500,872	14,098	12,803	12,575	\$ 13,411	
6/30/2013	185,858,905	13,502	13,765	12,924	13,692	
12/31/2013	177,370,054	12,731	13,932	13,283	13,978	
6/30/2014	186,033,890	12,359	15,053	13,652	14,271	
12/31/2014	183,464,135	12,202	15,036	14,031	14,570	\$ 14,601
6/30/2015	189,144,150	11,936	15,847	14,420	14,875	14,899
12/31/2015	187,279,213	12,017	15,585	14,820	15,187	15,203
6/30/2016	186,521,141	12,143	15,360	15,232	15,505	15,513
12/31/2016	187,785,702	12,397	15,148	15,655	15,829	15,830
6/30/2017	188,211,416	12,420	15,154	16,089	16,161	16,153
12/31/2017	197,845,448	12,255	16,144	16,536	16,499	16,483
6/30/2018	200,184,884	12,270	16,315	16,995	16,845	16,819
12/31/2018	204,409,469	12,233	16,710	17,467	17,198	17,163
6/30/2019	201,253,818	12,022	16,740	17,952	17,558	17,513
12/31/2019	212,113,195	11,836	17,921	18,450	17,925	17,871
6/30/2020	223,412,016	10,843	20,604	18,962	18,301	18,235
Goodness of Fit Statistic, R-Squared:				0.880	0.804	0.657
Average Annual Severity Trend (10 yr)				+ 5.6%		
Average Annual Severity Trend (8 yr)				+ 4.2%		
Average Annual Severity Trend (6 yr)				+ 4.1%		
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 Section B- 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
12/31/2010	\$ 26,763,588	944	\$ 28,351	\$ 41,348		
6/30/2011	24,636,186	782	31,504	40,690		
12/31/2011	20,682,850	595	34,761	40,042		
6/30/2012	18,204,869	472	38,570	39,404		
12/31/2012	16,618,871	443	37,514	38,777	\$ 49,215	
6/30/2013	19,125,773	424	45,108	38,159	47,229	
12/31/2013	24,963,147	472	52,888	37,551	45,322	
6/30/2014	22,867,510	515	44,403	36,953	43,493	
12/31/2014	19,686,427	504	39,060	36,365	41,737	\$ 45,049
6/30/2015	21,443,313	508	42,211	35,786	40,052	42,726
12/31/2015	19,461,409	525	37,069	35,216	38,435	40,524
6/30/2016	20,959,448	524	39,999	34,655	36,884	38,434
12/31/2016	19,578,519	483	40,535	34,103	35,395	36,453
6/30/2017	17,318,600	514	33,694	33,560	33,966	34,573
12/31/2017	22,138,257	536	41,303	33,025	32,595	32,791
6/30/2018	20,778,524	536	38,766	32,499	31,279	31,100
12/31/2018	14,295,937	497	28,764	31,982	30,016	29,497
6/30/2019	11,318,363	442	25,607	31,472	28,804	27,976
12/31/2019	10,033,256	461	21,764	30,971	27,642	26,533
6/30/2020	11,766,514	475	24,772	30,478	26,526	25,165
Goodness of Fit Statistic, R-Squared:				0.177	0.648	0.676
Average Annual Severity Trend (10 yr)				- 3.2%		
Average Annual Severity Trend (8 yr)				- 7.9%		
Average Annual Severity Trend (6 yr)				-10.0%		
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 Section B- 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
12/31/2010	\$ \$665,832,289	19,643	\$ 33,897	\$ 33,226		
6/30/2011	687,869,955	19,978	34,431	34,028		
12/31/2011	679,872,414	19,126	35,547	34,850		
6/30/2012	616,835,338	16,934	36,426	35,691		
12/31/2012	586,810,233	16,077	36,500	36,553	\$ 35,820	
6/30/2013	616,444,325	16,806	36,680	37,436	36,762	
12/31/2013	667,835,473	17,769	37,584	38,340	37,729	
6/30/2014	743,745,054	18,976	39,194	39,266	38,721	
12/31/2014	741,321,917	18,138	40,871	40,214	39,740	\$ 39,339
6/30/2015	729,444,228	17,635	41,363	41,185	40,785	40,433
12/31/2015	758,260,336	17,896	42,370	42,179	41,858	41,557
6/30/2016	723,662,464	16,754	43,193	43,198	42,959	42,713
12/31/2016	734,463,694	16,847	43,596	44,241	44,088	43,901
6/30/2017	757,804,214	17,421	43,499	45,309	45,248	45,121
12/31/2017	788,159,308	17,881	44,078	46,403	46,438	46,376
6/30/2018	849,799,227	18,644	45,580	47,523	47,659	47,666
12/31/2018	855,175,451	18,121	47,193	48,671	48,913	48,991
6/30/2019	812,438,869	16,849	48,219	49,846	50,199	50,353
12/31/2019	808,784,788	15,799	51,192	51,049	51,520	51,753
6/30/2020	760,230,724	12,434	61,141	52,282	52,875	53,192
Goodness of Fit Statistic, R-Squared:				0.915	0.877	0.775
Average Annual Severity Trend (10 yr)				+ 4.9%		
Average Annual Severity Trend (8 yr)				+ 5.3%		
Average Annual Severity Trend (6 yr)				+ 5.6%		
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 Section B- 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
12/31/2010	\$ 74,504,049	8,602	\$ 8,661	\$ 8,217		
6/30/2011	75,447,198	8,821	8,553	8,469		
12/31/2011	80,987,927	8,723	9,284	8,728		
6/30/2012	76,147,000	7,997	9,522	8,995		
12/31/2012	73,767,122	7,565	9,751	9,270	\$ 8,812	
6/30/2013	71,800,967	7,674	9,356	9,553	9,129	
12/31/2013	76,822,031	7,653	10,038	9,845	9,458	
6/30/2014	73,794,655	7,840	9,413	10,146	9,798	
12/31/2014	72,549,546	7,808	9,292	10,457	10,151	\$ 9,519
6/30/2015	81,362,512	7,507	10,838	10,776	10,516	9,956
12/31/2015	84,304,274	7,539	11,182	11,106	10,895	10,413
6/30/2016	79,846,505	7,513	10,628	11,446	11,287	10,890
12/31/2016	86,930,325	7,591	11,452	11,796	11,693	11,390
6/30/2017	86,986,666	7,983	10,896	12,156	12,114	11,912
12/31/2017	95,578,455	7,920	12,068	12,528	12,550	12,458
6/30/2018	98,883,379	7,677	12,880	12,911	13,002	13,030
12/31/2018	96,620,529	7,470	12,934	13,306	13,470	13,627
6/30/2019	93,981,599	7,192	13,068	13,713	13,955	14,252
12/31/2019	102,689,999	6,872	14,943	14,132	14,457	14,906
6/30/2020	99,350,122	5,453	18,219	14,565	14,977	15,589
Goodness of Fit Statistic, R-Squared:				0.847	0.829	0.834
Average Annual Severity Trend (10 yr)				+ 6.2%		
Average Annual Severity Trend (8 yr)				+ 7.3%		
Average Annual Severity Trend (6 yr)				+ 9.4%		
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 Section B- Explanation of Trend Calculation).

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

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Occurrences at Ultimate	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2010	\$ 40,002,637	547	\$ 73,131	\$ 88,110		
6/30/2011	41,106,996	486	84,582	86,151		
12/31/2011	50,507,813	426	118,563	84,236		
6/30/2012	38,998,149	346	112,711	82,363		
12/31/2012	27,598,698	340	81,173	80,532	\$ 72,353	
6/30/2013	27,192,893	379	71,749	78,741	71,493	
12/31/2013	31,973,114	414	77,230	76,991	70,643	
6/30/2014	35,541,181	469	75,781	75,279	69,803	
12/31/2014	31,016,365	511	60,697	73,605	68,973	\$ 61,565
6/30/2015	37,401,592	597	62,649	71,969	68,153	61,830
12/31/2015	40,974,026	690	59,383	70,369	67,342	62,097
6/30/2016	37,008,613	696	53,173	68,804	66,542	62,365
12/31/2016	34,367,854	635	54,123	67,274	65,751	62,634
6/30/2017	34,760,108	555	62,631	65,779	64,969	62,904
12/31/2017	44,426,584	534	83,196	64,316	64,196	63,176
6/30/2018	49,048,755	531	92,371	62,886	63,433	63,448
12/31/2018	35,205,404	504	69,852	61,488	62,679	63,722
6/30/2019	24,027,866	419	57,346	60,121	61,934	63,997
12/31/2019	22,511,021	421	53,470	58,784	61,197	64,273
6/30/2020	23,223,449	395	58,794	57,477	60,470	64,550
Goodness of Fit Statistic, R-Squared:				0.324	0.108	0.008
Average Annual Severity Trend (10 yr)				- 4.4%		
Average Annual Severity Trend (8 yr)				- 2.4%		
Average Annual Severity Trend (6 yr)				+ 0.9%		
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 Section B- Explanation of Trend Calculation).

PREMISES/OPERATIONS
MANUFACTURERS AND CONTRACTORS

FREQUENCY TREND INCLUDING FRINGE OCCURRENCES¹

MULTISTATE

Manual Classes (Full and Deductible Coverage)

Monoline and Multiline Combined

CGL Policies Only

Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences at <u>Ultimate</u> ¹	(4) Occurrence Frequency <u>(3)/(2)</u> ²
6/30/2007	\$ 828,722,688	28,039	33.83
6/30/2008	832,856,246	27,836	33.42
6/30/2009	855,361,828	28,601	33.44
6/30/2010	790,974,894	27,990	35.39
6/30/2011	806,749,567	28,534	35.37
6/30/2012	817,626,627	26,689	32.64
6/30/2013	813,536,331	25,748	31.65
6/30/2014	871,844,129	26,727	30.66
6/30/2015	901,797,197	26,264	29.12
6/30/2016	916,024,101	26,864	29.33
6/30/2017	935,129,657	27,910	29.85
6/30/2018	952,527,452	27,866	29.25
6/30/2019	965,161,164	27,623	28.62
6/30/2020	969,204,870	24,647	25.43

Selected Annual Frequency Trend: 0.0%

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

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

PREMISES/OPERATIONS
OWNERS, LANDLORDS AND TENANTS

FREQUENCY TREND INCLUDING FRINGE OCCURRENCES¹

MULTISTATE

Manual Classes (Full and Deductible Coverage)

Monoline and Multiline Combined

CGL Policies Only

Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences <u>at Ultimate¹</u>	(4) Occurrence Frequency <u>(3)/(2)²</u>
6/30/2007	\$ 1,056,375,440	32,940	31.18
6/30/2008	1,108,402,886	32,447	29.27
6/30/2009	1,251,602,305	33,893	27.08
6/30/2010	1,314,800,250	33,662	25.60
6/30/2011	1,355,030,378	33,872	25.00
6/30/2012	1,351,762,962	29,201	21.60
6/30/2013	1,319,386,565	29,238	22.16
6/30/2014	1,380,595,605	32,330	23.42
6/30/2015	1,479,128,981	31,204	21.10
6/30/2016	1,501,429,674	30,456	20.28
6/30/2017	1,527,114,579	31,843	20.85
6/30/2018	1,535,664,448	33,001	21.49
6/30/2019	1,505,545,344	31,109	20.66
6/30/2020	1,423,267,520	23,963	16.84

Selected Annual Frequency Trend: - 0.5%

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

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

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

CLASS GROUP 01

10100	1.03	
10146	0.46	
10352	0.60	
11258	1.24	
11259	1.33	
11288	1.52	
13111	1.15	
13673	0.94	
13720	0.53	
14401	1.25	
15224	0.56	
18435	1.09	
18436	0.88	
18501	1.00	*

CLASS GROUP 02

16900	1.95	
16901	1.25	
16902	1.06	
16905	2.05	
16906	1.31	
16910	1.17	
16911	1.06	
16915	1.20	
16916	1.00	*
16920	2.66	
16921	2.43	
16930	1.53	
16931	1.65	
16940	3.32	
16941	1.33	

CLASS GROUP 03

10026	1.24	
10042	0.71	
10060	0.34	
10065	0.51	
10066	0.52	
10071	0.61	
10101	0.46	
10105	4.98	
10113	0.69	
10115	1.37	
10130	6.79	
10132	5.85	
10150	0.95	
10151	23.92	
10160	4.26	
10204	0.43	
10205	0.48	
10210	0.77	
10211	0.77	
10220	9.04	
10309	0.31	
10315	0.73	
11020	0.58	
11126	0.12	
11155	0.41	
11204	0.60	
11234	0.54	
11273	26.77	
11274	25.69	
12356	2.27	
12374	1.18	
12375	0.58	
12393	0.77	

12467	0.32	
12805	0.62	
12841	1.03	
12927	0.18	
13314	0.23	
13351	0.56	
13352	0.57	
13506	1.76	
13507	2.12	
13716	0.87	
13759	0.34	
14068	0.075	
14101	0.88	
14655	0.17	
14733	1.19	
14734	0.51	
14913	0.64	
15314	0.41	
15538	0.73	
15600	1.84	
15608	0.41	
15656	12.11	
15839	0.55	
15991	0.45	
15993	0.38	
16402	2.72	
16403	1.72	
16404	2.17	
16676	0.57	
16750	0.20	
16751	0.20	
16881	3.13	
18109	0.75	
18110	0.60	
18206	0.97	

18335	0.70	
18437	1.00	*
18438	1.92	
18507	0.36	
18570	3.76	
18708	0.22	
18834	0.57	
18911	1.80	
18912	3.39	
18920	0.88	
19795	0.59	
19796	0.69	
41510	90.50	
45900	0.21	
45901	0.18	
48808	3.10	
49111	4.74	

CLASS GROUP 04

10133	12.18	
11052	12.67	
11167	2.92	
11168	15.14	
14731	12.57	
14732	0.93	
15123	12.15	
15124	4.25	
19007	4.75	
19051	10.53	
44009	14.81	
49617	1.00	*
49618	0.84	
49619	1.58	
49763	10.26	

PREMISES/OPERATIONS (SUBLINE CODE 334)
CLASS GROUPS AND DIFFERENTIALS

*Base Class

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

PREMISES/OPERATIONS (SUBLINE CODE 334)
CLASS GROUPS AND DIFFERENTIALS

*Base Class

<u>CLASS GROUP 10</u>		61000	0.99	65007	1.65	49181	0.82	
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

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

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

PREMISES/OPERATIONS (SUBLINE CODE 334)
CLASS GROUPS AND DIFFERENTIALS

*Base Class

CLASS GROUP 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	0.078
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

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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

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PREMISES/OPERATIONS (SUBLINE CODE 334)
CLASS GROUPS AND DIFFERENTIALS

*Base Class

CLASS GROUP 34 (cont'd)		CLASS GROUP 35		59773	0.17	51741	5.38
15406	1.35	51300	0.91	59774	0.14	51752	4.54
15488	3.37	51305	0.91	59775	0.18	51796	1.96
15733	0.88	51350	1.53	59889	0.56	51808	6.97
16009	1.08	51351	1.37	CLASS GROUP 36		51809	8.65
16588	0.50	51352	1.88	50010	5.03	51869	2.31
16604	0.84	51355	1.28	50012	1.86	51877	13.01
16694	1.66	51356	1.38	50015	3.27	51889	2.14
16819	4.78	51575	0.41	50017	2.49	51896	1.00
16820	3.70	51666	0.65	50019	1.33	51919	2.16
16890	0.56	51767	0.19	50045	5.69	51926	2.20
16891	0.61	51777	0.66	50047	0.64	51927	1.19
16892	1.11	51790	1.10	51201	0.86	51934	2.41
18506	1.76	51833	0.99	51205	2.62	51941	2.19
18616	1.34	51900	0.74	51206	0.41	51942	3.50
45380	1.03	52315	0.86	51240	10.34	51956	9.45
45771	1.57	52744	3.79	51241	30.72	51957	8.33
45819	0.51	53374	1.00	51251	0.89	51958	7.40
49239	0.77	53375	0.53	51252	3.12	51959	7.58
51315	0.50	53376	0.85	51253	2.66	51960	1.00
51357	0.71	53377	0.87	51254	0.83	51970	4.35
51358	1.71	53403	0.55	51340	0.85	51982	1.28
51359	1.50	53565	0.64	51370	10.10	51986	5.03
59925	1.54	55371	2.55	51380	1.01	51999	2.12
59926	1.31	55802	0.66	51500	1.91	52002	1.86
59927	0.88	56488	1.10	51550	2.36	52109	0.47
		56690	0.57	51551	0.82	52134	6.23
		57403	1.35	51552	1.42	52150	11.47
		58020	1.45	51553	2.53	52402	0.47
		58713	0.42	51554	0.24	52432	2.33
		59188	2.88	51576	4.54	52433	2.13
		59189	3.95	51600	3.09	52435	2.67
		59482	3.00	51613	2.04	52438	1.93
		59647	1.34			52440	3.03
						52467	2.80

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

CLASS GROUP 36 (cont'd)		56041	1.78	58058	2.38	59725	1.87
		56042	2.24	58095	3.35	59726	1.36
52469	0.98	56202	1.78	58096	4.45	59738	4.34
52505	4.88	56390	3.11	58302	1.20	59790	3.35
52581	23.79	56391	2.67	58397	6.97	59867	3.77
52619	1.67	56427	4.30	58503	1.86	59886	0.51
52911	1.33	56699	1.98	58532	2.40	59905	2.36
52967	0.50	56758	1.68	58559	0.49	59914	13.86
53001	4.89	56759	1.72	58560	1.18	59923	0.34
53077	2.35	56760	2.47	58575	1.52	59931	6.23
53095	1.61	56805	3.25	58627	4.88	59932	6.71
53096	2.24	56806	2.30	58682	4.34	59941	2.09
53121	6.37	56807	2.28	58737	3.15	59955	0.80
53271	1.20	56808	2.98	58757	10.62	59963	5.95
53631	0.74	56900	2.86	58759	1.31	59964	13.94
53632	0.85	56910	1.43	58802	1.49	59973	3.84
53731	0.78	56980	2.48	58822	4.10	59984	1.05
53732	5.32	57001	0.85	58903	0.94	59985	4.11
53733	3.46	57002	0.55	58904	0.72	59986	3.14
53907	2.34	57202	2.20	59005	1.78	59989	0.55
54077	3.20	57257	2.73	59057	13.18		
55010	9.66	57401	1.55	59058	8.53		
55011	2.61	57410	0.75	59257	0.48		
55012	3.11	57572	0.44	59306	3.01		
55214	2.52	57600	1.31	59481	8.09		
55597	0.63	57625	11.52	59601	3.05		
55647	1.26	57651	1.40	59660	5.61		
55648	0.57	57798	0.71	59661	2.75		
55649	0.68	57800	2.65	59693	0.46		
55715	5.00	57913	3.43	59701	0.22		
55716	7.23	57998	1.52	59713	5.02		
55918	2.86	58010	3.53	59722	2.60		
55919	0.39	58056	4.21	59723	0.98		
56040	0.27	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)			

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

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SUPPORTING MATERIAL -- PRODUCTS
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MULTISTATE
PRODUCTS
CALCULATION OF AGGREGATE LOSS COSTS
AT CURRENT LEVEL

TYPE OF POLICY	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL	EXPOSURE DEVELOPMENT FACTOR+	X	EXPOSURE TREND#	X	AVERAGE IPMF*	=	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL
-----	-----	-----	-----		-----		-----		-----
MONOLINE	12/31/2017	\$33,626,293	1.000		1.041				\$35,004,971
	12/31/2018	31,758,603	0.999		1.029				32,646,923
	12/31/2019	34,315,148	1.000		1.019				34,967,136
MULTILINE	12/31/2017	\$90,180,042	1.000		1.044		0.865		\$81,437,989
	12/31/2018	91,981,721	0.999		1.031		0.865		81,948,648
	12/31/2019	95,099,965	1.000		1.020		0.865		83,906,699
TOTAL	12/31/2017								\$116,442,960
	12/31/2018								114,595,571
	12/31/2019								118,873,835

+ THE DERIVATION OF THE EXPOSURE DEVELOPMENT FACTOR IS SHOWN IN SECTION F - CALCULATION OF EXPOSURE DEVELOPMENT FACTORS.

AGGREGATE LOSS COSTS AT CURRENT LEVEL HAVE BEEN TRENDING FROM AN AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 07/01/2021 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION F - AVERAGE ANNUAL EXPOSURE TRENDS.

* THE IMPLICIT PACKAGE MODIFICATION FACTORS APPLIED TO THE DATA FOR INDIVIDUAL PROGRAMS ARE SHOWN IN SECTION F - IMPLICIT PACKAGE MODIFICATION FACTORS.

MULTISTATE
PRODUCTS
OCCURRENCE
FULL COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	BASIC LIMIT DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ. FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2017	\$13,317,992		1.060		1.080		1.159		0.927		\$16,380,665
		12/31/2018	10,669,526		1.424		1.080		1.126		0.941		17,386,289
		12/31/2019	6,620,070		2.022		1.080		1.093		0.956		15,105,863
BI	ALAE	12/31/2017	\$18,459,984				1.080		1.159		0.927		\$21,419,940
		12/31/2018	23,747,125				1.080		1.126		0.941		27,174,578
		12/31/2019	16,285,287				1.080		1.093		0.956		18,377,957
PD	B/L INDEMNITY	12/31/2017	\$20,162,666		1.151		1.080		1.307		0.927		\$30,367,033
		12/31/2018	16,580,016		1.248		1.080		1.239		0.941		26,054,588
		12/31/2019	16,506,584		1.475		1.080		1.174		0.956		29,512,022
PD	ALAE	12/31/2017	\$27,470,488				1.080		1.307		0.927		\$35,945,576
		12/31/2018	21,846,053				1.080		1.239		0.941		27,507,915
		12/31/2019	25,484,940				1.080		1.174		0.956		30,891,099
	TOTAL FULL COVERAGE	12/31/2017											\$104,113,214
		12/31/2018											98,123,370
		12/31/2019											93,886,941

* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Section B.

MULTISTATE
PRODUCTS
OCCURRENCE
DED COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	BASIC LIMIT DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ. FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2017	\$2,028,526		1.232		1.080		1.159		0.927		\$2,899,868
		12/31/2018	727,870		1.511		1.080		1.126		0.941		1,258,549
		12/31/2019	1,091,312		2.311		1.080		1.093		0.956		2,846,103
BI	ALAE	12/31/2017	\$2,934,253				1.080		1.159		0.927		\$3,404,744
		12/31/2018	1,634,129				1.080		1.126		0.941		1,869,985
		12/31/2019	2,878,267				1.080		1.093		0.956		3,248,126
PD	B/L INDEMNITY	12/31/2017	\$3,569,417		1.090		1.080		1.307		0.927		\$5,090,997
		12/31/2018	3,429,400		1.175		1.080		1.239		0.941		5,073,886
		12/31/2019	2,172,707		1.475		1.080		1.174		0.956		3,884,570
PD	ALAE	12/31/2017	\$5,546,696				1.080		1.307		0.927		\$7,257,941
		12/31/2018	4,898,283				1.080		1.239		0.941		6,167,776
		12/31/2019	4,114,570				1.080		1.174		0.956		4,987,400
	TOTAL DED COVERAGE	12/31/2017											\$18,653,550
		12/31/2018											14,370,195
		12/31/2019											14,966,199
	TOTAL	12/31/2017											\$122,766,765
		12/31/2018											112,493,565
		12/31/2019											108,853,141

* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Section B.

MULTISTATE
Products
Subline Code 336
Combined Single Limit

Implicit Package Modification Factors (A) by Type of Policy

Type of Policy (B) -----	Description -----	Implicit Package Modification Factors -----
31	Not Applicable	--
32	Not Applicable	--
33	Not Applicable	--
34	Mercantile Policy	0.847
35	Not Applicable	--
36	Service Policy	0.917
37	Industrial/Processing Policy	0.874
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 separately for 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 F - 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	<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>
12/31/2012	294,313,614	285,975,423	285,815,807	285,269,021	285,284,369	285,284,593	285,282,473	285,279,383
12/31/2013	291,676,148	294,092,380	293,024,503	292,993,448	292,997,136	292,997,660	292,991,699	
12/31/2014	300,498,902	305,693,324	305,523,656	305,500,483	305,413,400	305,407,279		
12/31/2015	301,748,313	302,072,614	301,879,697	301,787,976	301,658,526			
12/31/2016	289,649,613	289,162,594	289,281,526	289,341,443				
12/31/2017	285,437,455	286,447,433	286,303,524					
12/31/2018	283,304,260	282,999,859						
12/31/2019	282,263,230							

LINK RATIOS

Accident Year 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>
12/31/2012	0.972	0.999	0.998	1.000	1.000	1.000	1.000
12/31/2013	1.008	0.996	1.000	1.000	1.000	1.000	
12/31/2014	1.017	0.999	1.000	1.000	1.000		
12/31/2015	1.001	0.999	1.000	1.000			
12/31/2016	0.998	1.000	1.000				
12/31/2017	1.004	0.999					
12/31/2018	0.999						

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.001	0.999

Accident Year Ending	Exposure Development From			Factor
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>	
12/31/2017			1.000	1.000
12/31/2018		0.999	1.000	0.999
12/31/2019	1.001	0.999	1.000	1.000

MULTISTATE PRODUCTS LOSS DEVELOPMENT DATA

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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>
12/31/2000	7,473,846	10,729,094	14,071,409	15,880,255	15,738,860	15,619,209	16,273,679	15,631,229	15,499,885	15,568,184	15,481,595
12/31/2001	8,231,274	12,317,432	15,815,794	16,446,544	16,880,080	16,859,829	17,147,792	17,491,893	17,190,820	17,047,610	17,366,738
12/31/2002	7,018,229	10,700,460	14,429,437	16,378,092	15,586,609	14,774,453	14,437,476	14,201,243	14,196,889	14,224,960	14,513,480
12/31/2003	7,228,189	11,415,443	14,236,492	15,145,727	14,541,409	13,835,085	13,543,994	14,006,523	14,349,354	14,538,465	14,508,946
12/31/2004	7,160,414	10,844,149	14,345,301	15,958,927	15,388,112	14,453,131	14,521,341	14,403,289	14,765,202	14,877,382	14,878,960
12/31/2005	8,708,761	10,356,952	13,330,018	13,239,776	13,580,297	13,460,547	13,288,409	13,515,252	13,289,672	13,289,746	13,218,023
12/31/2006	8,045,767	12,703,559	16,967,245	17,176,393	16,485,538	16,649,735	16,602,337	16,806,388	17,052,160	17,004,493	16,646,263
12/31/2007	9,362,846	14,599,354	18,038,286	19,067,915	18,940,189	19,053,290	18,473,485	18,464,313	18,246,239	18,140,537	18,268,019
12/31/2008	9,562,550	13,726,422	16,398,237	17,214,328	18,956,150	17,663,444	17,437,569	17,354,898	17,386,405	17,430,593	17,668,612
12/31/2009	10,624,064	13,519,796	16,031,003	16,312,522	16,047,241	16,139,503	15,994,242	16,076,065	16,021,333	16,285,247	16,623,697
12/31/2010	11,059,633	15,363,249	16,865,131	17,555,631	17,733,041	16,353,060	16,104,307	16,097,694	16,123,460	16,043,736	
12/31/2011	8,606,729	11,816,428	15,071,652	15,377,311	14,802,603	14,589,272	14,464,946	14,607,628	15,105,039		
12/31/2012	8,718,522	13,002,276	16,774,601	17,038,494	17,187,074	16,723,272	16,537,263	17,278,071			
12/31/2013	6,458,241	9,678,518	13,306,421	14,310,180	14,660,496	14,449,961	14,829,020				
12/31/2014	6,960,086	9,615,799	13,108,027	14,875,442	14,301,209	14,931,625					
12/31/2015	6,730,026	9,166,802	12,114,663	13,292,827	12,927,122						
12/31/2016	5,803,315	8,328,535	10,965,818	11,739,182							
12/31/2017	6,284,651	9,692,884	13,016,047								
12/31/2018	6,850,985	9,890,542									
12/31/2019	6,006,708										
<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>		
12/31/2000	15,492,521	15,643,104	15,688,291	15,885,794	16,133,926	16,183,909	16,634,355	16,671,334	16,703,288		
12/31/2001	17,686,735	17,777,360	18,020,372	18,347,826	18,286,849	18,524,098	18,537,050	18,535,156			
12/31/2002	14,980,141	14,663,578	14,778,353	14,455,025	14,707,101	14,689,978	14,689,061				
12/31/2003	14,525,784	14,700,165	14,620,721	14,688,312	14,854,506	14,822,691					
12/31/2004	14,747,055	14,637,046	14,814,206	14,861,187	14,836,753						
12/31/2005	13,110,116	13,128,277	13,125,318	13,067,484							
12/31/2006	16,939,294	17,142,863	17,040,085								
12/31/2007	18,245,617	18,712,106									
12/31/2008	17,733,383										

PRODUCTS (Subline Code 336)

FULL COVERAGE

MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/2000	1.436	1.312	1.129	0.991	0.992	1.042	0.961	0.992	1.004	0.994	1.001
12/31/2001	1.496	1.284	1.040	1.026	0.999	1.017	1.020	0.983	0.992	1.019	1.018
12/31/2002	1.525	1.348	1.135	0.952	0.948	0.977	0.984	1.000	1.002	1.020	1.032
12/31/2003	1.579	1.247	1.064	0.960	0.951	0.979	1.034	1.024	1.013	0.998	1.001
12/31/2004	1.514	1.323	1.112	0.964	0.939	1.005	0.992	1.025	1.008	1.000	0.991
12/31/2005	1.189	1.287	0.993	1.026	0.991	0.987	1.017	0.983	1.000	0.995	0.992
12/31/2006	1.579	1.336	1.012	0.960	1.010	0.997	1.012	1.015	0.997	0.979	1.018
12/31/2007	1.559	1.236	1.057	0.993	1.006	0.970	1.000	0.988	0.994	1.007	0.999
12/31/2008	1.435	1.195	1.050	1.101	0.932	0.987	0.995	1.002	1.003	1.014	1.004
12/31/2009	1.273	1.186	1.018	0.984	1.006	0.991	1.005	0.997	1.016	1.021	
12/31/2010	1.389	1.098	1.041	1.010	0.922	0.985	1.000	1.002	0.995		
12/31/2011	1.373	1.275	1.020	0.963	0.986	0.991	1.010	1.034			
12/31/2012	1.491	1.290	1.016	1.009	0.973	0.989	1.045				
12/31/2013	1.499	1.375	1.075	1.024	0.986	1.026					
12/31/2014	1.382	1.363	1.135	0.961	1.044						
12/31/2015	1.362	1.322	1.097	0.972							
12/31/2016	1.435	1.317	1.071								
12/31/2017	1.542	1.343									
12/31/2018	1.444										
3 Yr Mean	1.474	1.327	1.101	0.986	1.001	1.002	1.018	1.011	1.005	1.014	1.007
Best 3/5	1.420	1.343	1.081	0.981	0.982	0.990	1.005	1.000	0.998	1.005	0.998

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/2000	1.010	1.003	1.013	1.016	1.003	1.028	1.002	1.002			
12/31/2001	1.005	1.014	1.018	0.997	1.013	1.001	1.000	1.000 *			
12/31/2002	0.979	1.008	0.978	1.017	0.999	1.000	1.000 *	1.000 *			
12/31/2003	1.012	0.995	1.005	1.011	0.998	1.001 *	1.000 *	1.000 *			
12/31/2004	0.993	1.012	1.003	0.998	1.008 *	1.001 *	1.000 *	1.000 *			
12/31/2005	1.001	1.000	0.996								
12/31/2006	1.012	0.994									
12/31/2007	1.026										
3 Yr Mean	1.013	1.002	1.001	1.009	1.003 @	1.010 @	1.001 @	1.002 @			
Best 3/5	1.008	1.001	1.001	1.008	1.003 *	1.001 *	1.000 *	1.000 *			

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
12/31/2015					0.982	0.990	1.005	1.000	0.998	1.005	0.998
12/31/2016				0.981	0.982	0.990	1.005	1.000	0.998	1.005	0.998
12/31/2017			1.081	0.981	0.982	0.990	1.005	1.000	0.998	1.005	0.998
12/31/2018		1.343	1.081	0.981	0.982	0.990	1.005	1.000	0.998	1.005	0.998
12/31/2019	1.420	1.343	1.081	0.981	0.982	0.990	1.005	1.000	0.998	1.005	0.998

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	1.008	1.001	1.001	1.008	1.003	1.001	1.000	1.000	1.000*	1.000
12/31/2016	1.008	1.001	1.001	1.008	1.003	1.001	1.000	1.000	1.000*	0.981
12/31/2017	1.008	1.001	1.001	1.008	1.003	1.001	1.000	1.000	1.000*	1.060
12/31/2018	1.008	1.001	1.001	1.008	1.003	1.001	1.000	1.000	1.000*	1.424
12/31/2019	1.008	1.001	1.001	1.008	1.003	1.001	1.000	1.000	1.000*	2.022

* Calculated Using Modified Bondy Method

@ 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:

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
12/31/2000	873,634	1,075,574	1,264,786	1,553,268	1,443,449	1,419,159	1,419,163	1,539,750	1,631,917	1,528,279	1,657,475
12/31/2001	498,854	1,028,391	1,407,213	1,805,523	1,580,359	1,465,659	1,664,728	1,634,588	1,672,959	1,590,024	1,611,023
12/31/2002	544,701	1,105,166	1,578,740	1,506,828	1,743,546	1,739,779	1,813,428	1,637,505	1,610,578	1,612,973	1,610,628
12/31/2003	638,664	916,783	958,041	1,459,977	1,199,336	1,180,799	1,300,405	1,291,916	1,294,391	1,300,140	1,302,251
12/31/2004	1,259,180	1,530,336	1,941,957	2,221,735	2,165,491	2,131,175	2,095,646	2,166,085	2,164,890	2,166,354	2,166,558
12/31/2005	888,062	1,168,184	1,878,322	1,885,652	1,305,631	1,305,665	1,345,415	1,276,574	1,175,438	1,171,672	1,176,172
12/31/2006	1,340,484	1,854,486	2,200,712	1,941,673	1,681,231	1,612,987	1,547,736	1,595,185	1,495,268	1,499,768	1,527,326
12/31/2007	1,689,707	2,256,956	2,097,368	2,261,583	2,326,803	1,957,256	1,964,355	2,074,732	2,079,132	2,104,132	2,114,407
12/31/2008	1,138,042	1,538,456	1,941,961	1,984,373	2,050,592	2,101,219	2,216,733	2,189,203	2,114,204	2,101,854	2,199,628
12/31/2009	912,994	1,171,556	1,367,870	1,431,676	1,666,190	1,812,731	1,757,492	1,752,493	1,844,719	1,942,492	1,942,892
12/31/2010	1,027,500	1,740,936	1,637,725	1,765,625	1,849,562	1,947,469	1,900,800	1,803,024	2,391,943	2,037,891	
12/31/2011	1,218,383	1,754,275	2,018,417	1,730,949	1,708,771	1,713,520	1,811,521	1,818,619	1,788,519		
12/31/2012	959,829	1,256,122	1,670,834	1,495,076	1,369,224	1,591,159	1,694,233	1,630,938			
12/31/2013	743,389	1,164,532	1,333,962	1,554,424	1,636,437	1,696,686	1,738,135				
12/31/2014	592,767	1,205,729	1,509,544	1,687,940	1,752,715	1,675,637					
12/31/2015	866,797	1,281,265	1,275,846	1,587,857	1,833,976						
12/31/2016	862,318	928,240	1,278,113	1,393,807							
12/31/2017	418,811	1,320,819	1,696,420								
12/31/2018	841,713	793,494									
12/31/2019	1,077,916										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2000	1,709,598	1,689,827	1,806,358	1,842,117	1,832,665	1,921,046	1,924,045	1,924,920	1,926,320
12/31/2001	1,633,398	1,595,148	1,605,002	1,602,240	1,598,241	1,604,840	1,598,240	1,601,540	
12/31/2002	1,610,628	1,611,258	1,635,357	1,638,058	1,638,057	1,663,057	1,643,227		
12/31/2003	1,302,267	1,302,366	1,305,067	1,305,066	1,305,066	1,305,111			
12/31/2004	2,165,661	2,168,362	2,168,361	2,168,361	2,169,306				
12/31/2005	1,178,881	1,178,973	1,178,872	1,178,917					
12/31/2006	1,502,125	1,502,125	1,502,170						
12/31/2007	2,131,632	2,141,677							
12/31/2008	2,199,928								

PRODUCTS (Subline Code 336)
 DEDUCTIBLE
 MULTISTATE
 BODILY INJURY - OCCURRENCE
 INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

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
12/31/2000	1.231	1.176	1.228	0.929	0.983	1.000	1.085	1.060	0.936	1.085	1.031
12/31/2001	2.062	1.368	1.283	0.875	0.927	1.136	0.982	1.023	0.950	1.013	1.014
12/31/2002	2.029	1.429	0.954	1.157	0.998	1.042	0.903	0.984	1.001	0.999	1.000
12/31/2003	1.435	1.045	1.524	0.821	0.985	1.101	0.993	1.002	1.004	1.002	1.000
12/31/2004	1.215	1.269	1.144	0.975	0.984	0.983	1.034	0.999	1.001	1.000	1.000
12/31/2005	1.315	1.608	1.004	0.692	1.000	1.030	0.949	0.921	0.997	1.004	1.002
12/31/2006	1.383	1.187	0.882	0.866	0.959	0.960	1.031	0.937	1.003	1.018	0.983
12/31/2007	1.336	0.929	1.078	1.029	0.841	1.004	1.056	1.002	1.012	1.005	1.008
12/31/2008	1.352	1.262	1.022	1.033	1.025	1.055	0.988	0.966	0.994	1.047	1.000
12/31/2009	1.283	1.168	1.047	1.164	1.088	0.970	0.997	1.053	1.053	1.000	
12/31/2010	1.694	0.941	1.078	1.048	1.053	0.976	0.949	1.327	0.852		
12/31/2011	1.440	1.151	0.858	0.987	1.003	1.057	1.004	0.983			
12/31/2012	1.309	1.330	0.895	0.916	1.162	1.065	0.963				
12/31/2013	1.567	1.145	1.165	1.053	1.037	1.024					
12/31/2014	2.034	1.252	1.118	1.038	0.956						
12/31/2015	1.478	0.996	1.245	1.155							
12/31/2016	1.076	1.377	1.091								
12/31/2017	3.154	1.284									
12/31/2018	0.943										

3 Yr Mean	1.724	1.219	1.151	1.082	1.052	1.049	0.972	1.121	0.966	1.017	0.997
Best 3/5	1.529	1.227	1.125	1.026	1.031	1.019	0.983	1.013	1.003	1.009	1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/2000	0.988	1.069	1.020	0.995	1.048	1.002	1.000	1.001
12/31/2001	0.977	1.006	0.998	0.998	1.004	0.996	1.002	1.000 *
12/31/2002	1.000	1.015	1.002	1.000	1.015	0.988	1.000 *	1.000 *
12/31/2003	1.000	1.002	1.000	1.000	1.000	1.006 *	1.000 *	1.000 *
12/31/2004	1.001	1.000	1.000	1.000	0.999 *	1.006 *	1.000 *	1.000 *
12/31/2005	1.000	1.000	1.000					
12/31/2006	1.000	1.000						
12/31/2007	1.005							

3 Yr Mean	1.002	1.000	1.000	1.000	1.006 @	0.995 @	1.001 @	1.001 @
Best 3/5	1.000	1.001	1.000	0.999	1.006 *	1.001 *	1.000 *	1.000 *

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
12/31/2015					1.031	1.019	0.983	1.013	1.003	1.009	1.001
12/31/2016				1.026	1.031	1.019	0.983	1.013	1.003	1.009	1.001
12/31/2017			1.125	1.026	1.031	1.019	0.983	1.013	1.003	1.009	1.001
12/31/2018		1.227	1.125	1.026	1.031	1.019	0.983	1.013	1.003	1.009	1.001
12/31/2019	1.529	1.227	1.125	1.026	1.031	1.019	0.983	1.013	1.003	1.009	1.001

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	1.000	1.001	1.000	0.999	1.006	1.001	1.000	1.000	1.000*	1.067
12/31/2016	1.000	1.001	1.000	0.999	1.006	1.001	1.000	1.000	1.000*	1.095
12/31/2017	1.000	1.001	1.000	0.999	1.006	1.001	1.000	1.000	1.000*	1.232
12/31/2018	1.000	1.001	1.000	0.999	1.006	1.001	1.000	1.000	1.000*	1.511
12/31/2019	1.000	1.001	1.000	0.999	1.006	1.001	1.000	1.000	1.000*	2.311

* Calculated Using Modified Bondy Method
 @ 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>
12/31/2000	1,141,242	4,131,110	7,821,507	11,414,210	12,889,203	14,098,635	16,548,165	17,260,558	18,394,302	19,137,441	19,321,547
12/31/2001	1,879,499	5,333,140	8,433,876	10,458,465	13,585,015	15,229,421	16,998,573	18,653,799	19,028,381	19,000,307	19,337,132
12/31/2002	1,573,982	3,776,374	8,102,830	12,481,658	15,611,075	18,623,205	18,850,667	19,603,597	20,116,966	20,572,941	20,847,250
12/31/2003	1,493,285	4,235,351	8,798,724	14,403,987	18,413,145	20,076,406	20,526,072	21,482,732	21,190,440	22,143,797	23,296,658
12/31/2004	1,153,172	2,932,383	6,393,270	10,669,644	13,402,340	13,197,829	14,504,758	15,330,291	16,219,286	17,412,926	17,560,643
12/31/2005	1,494,440	3,370,465	5,962,291	8,512,450	10,792,471	12,837,220	12,881,117	13,207,743	13,421,356	13,851,883	13,821,305
12/31/2006	1,911,372	6,481,668	8,767,721	11,755,653	13,715,292	15,442,151	18,077,585	19,388,546	18,404,501	18,485,994	18,502,903
12/31/2007	2,355,547	6,929,749	10,794,355	14,608,189	17,873,357	19,625,501	20,789,339	21,016,728	21,244,052	25,571,110	25,578,335
12/31/2008	1,709,261	4,115,443	7,972,706	13,997,587	18,189,562	20,366,787	20,255,891	20,674,820	21,021,232	21,192,066	21,342,527
12/31/2009	3,184,902	5,540,342	9,963,842	12,794,101	15,201,539	16,266,092	16,309,614	16,598,695	16,600,429	16,718,787	16,899,605
12/31/2010	2,080,715	5,684,255	9,737,774	15,136,556	17,196,648	17,991,424	18,169,354	18,343,829	18,466,154	18,744,804	
12/31/2011	2,412,515	5,417,781	9,895,014	13,375,646	15,454,013	16,801,269	17,879,056	17,715,625	18,241,154		
12/31/2012	2,667,191	7,809,205	15,917,305	20,900,892	24,459,912	27,366,857	27,822,853	28,765,028			
12/31/2013	1,535,398	4,947,700	8,792,939	11,728,594	13,973,746	14,936,905	15,718,114				
12/31/2014	1,435,887	3,996,515	8,016,565	12,037,336	14,744,477	16,058,071					
12/31/2015	2,083,391	4,293,340	7,357,259	11,480,722	14,434,164						
12/31/2016	1,428,474	3,352,951	7,750,502	11,235,695							
12/31/2017	1,232,704	3,496,896	8,085,121								
12/31/2018	2,077,961	5,279,581									
12/31/2019	1,052,466										

<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>
12/31/2000	19,651,097	20,000,138	20,384,277	20,515,147	20,729,112	20,907,102	21,047,898	21,345,551	21,488,527
12/31/2001	19,634,940	19,975,972	20,255,233	20,558,003	20,768,260	21,078,002	21,249,753	21,419,947	
12/31/2002	23,301,134	23,220,819	23,194,480	22,447,993	22,575,619	23,093,116	23,408,882		
12/31/2003	23,232,766	23,494,353	22,826,602	22,921,993	22,963,875	23,042,396			
12/31/2004	17,716,708	17,840,248	17,969,763	18,223,687	18,135,708				
12/31/2005	13,950,327	14,042,319	14,093,949	14,150,600					
12/31/2006	18,516,103	18,690,217	18,771,734						
12/31/2007	25,681,102	26,100,334							
12/31/2008	21,617,229								

PRODUCTS (Subline Code 336)
FULL COVERAGE
MULTISTATE
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR 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
12/31/2000	2,989,868	3,690,397	3,592,703	1,474,993	1,209,432	2,449,530	712,393	1,133,744	743,139	184,106	329,550	349,041	384,139
12/31/2001	3,453,641	3,100,736	2,024,589	3,126,550	1,644,406	1,769,152	1,655,226	374,582	-28,074	336,825	297,808	341,032	279,261
12/31/2002	2,202,392	4,326,456	4,378,828	3,129,417	3,012,130	227,462	752,930	513,369	455,975	274,309	2,453,884	-80,315	-26,339
12/31/2003	2,742,066	4,563,373	5,605,263	4,009,158	1,663,261	449,666	956,660	-292,292	953,357	1,152,861	-63,892	261,587	-667,751
12/31/2004	1,779,211	3,460,887	4,276,374	2,732,696	-204,511	1,306,929	825,533	888,995	1,193,640	147,717	156,065	123,540	129,515
12/31/2005	1,876,025	2,591,826	2,550,159	2,280,021	2,044,749	43,897	326,626	213,613	430,527	-30,578	129,022	91,992	51,630
12/31/2006	4,570,296	2,286,053	2,987,932	1,959,639	1,726,859	2,635,434	1,310,961	-984,045	81,493	16,909	13,200	174,114	81,517
12/31/2007	4,574,202	3,864,606	3,813,834	3,265,168	1,752,144	1,163,838	227,389	227,324	4,327,058	7,225	102,767	419,232	
12/31/2008	2,406,182	3,857,263	6,024,881	4,191,975	2,177,225	-110,896	418,929	346,412	170,834	150,461	274,702		
12/31/2009	2,355,440	4,423,500	2,830,259	2,407,438	1,064,553	43,522	289,081	1,734	118,358	180,818			
12/31/2010	3,603,540	4,053,519	5,398,782	2,060,092	794,776	177,930	174,475	122,325	278,650				
12/31/2011	3,005,266	4,477,233	3,480,632	2,078,367	1,347,256	1,077,787	-163,431	525,529					
12/31/2012	5,142,014	8,108,100	4,983,587	3,559,020	2,906,945	455,996	942,175						
12/31/2013	3,412,302	3,845,239	2,935,655	2,245,152	963,159	781,209							
12/31/2014	2,560,628	4,020,050	4,020,771	2,707,141	1,313,594								
12/31/2015	2,209,949	3,063,919	4,123,463	2,953,442									
12/31/2016	1,924,477	4,397,551	3,485,193										
12/31/2017	2,264,192	4,588,225											
12/31/2018	3,201,620												

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
12/31/2000	0.0969	0.1196	0.1165	0.0478	0.0392	0.0794	0.0231	0.0368	0.0241	0.0060	0.0107	0.0113	0.0125
12/31/2001	0.1039	0.0933	0.0609	0.0940	0.0495	0.0532	0.0498	0.0113	-0.0008	0.0101	0.0090	0.0103	0.0084
12/31/2002	0.0795	0.1562	0.1581	0.1130	0.1087	0.0082	0.0272	0.0185	0.0165	0.0099	0.0886	-0.0029	-0.0010
12/31/2003	0.0904	0.1504	0.1847	0.1321	0.0548	0.0148	0.0315	-0.0096	0.0314	0.0380	-0.0021	0.0086	-0.0220
12/31/2004	0.0675	0.1313	0.1623	0.1037	-0.0078	0.0496	0.0313	0.0337	0.0453	0.0056	0.0059	0.0047	0.0049
12/31/2005	0.0642	0.0886	0.0872	0.0780	0.0699	0.0015	0.0112	0.0073	0.0147	-0.0010	0.0044	0.0031	0.0018
12/31/2006	0.1335	0.0668	0.0873	0.0573	0.0505	0.0770	0.0383	-0.0288	0.0024	0.0005	0.0004	0.0051	0.0024
12/31/2007	0.1206	0.1019	0.1005	0.0861	0.0462	0.0307	0.0060	0.0060	0.1141	0.0002	0.0027	0.0111	
12/31/2008	0.0708	0.1135	0.1772	0.1233	0.0641	-0.0033	0.0123	0.0102	0.0050	0.0044	0.0081		
12/31/2009	0.0670	0.1259	0.0805	0.0685	0.0303	0.0012	0.0082	0.0000	0.0034	0.0051			
12/31/2010	0.1065	0.1198	0.1595	0.0609	0.0235	0.0053	0.0052	0.0036	0.0082				
12/31/2011	0.1040	0.1550	0.1205	0.0719	0.0466	0.0373	-0.0057	0.0182					
12/31/2012	0.1477	0.2329	0.1432	0.1022	0.0835	0.0131	0.0271						
12/31/2013	0.1158	0.1305	0.0996	0.0762	0.0327	0.0265							
12/31/2014	0.0770	0.1209	0.1210	0.0814	0.0395								
12/31/2015	0.0932	0.1291	0.1738	0.1245									
12/31/2016	0.0828	0.1891	0.1499										
12/31/2017	0.0805	0.1632											
12/31/2018	0.0931												

Best 3/5	0.0855	0.1409	0.1380	0.0866	0.0396	0.0150	0.0086	0.0066	0.0055	0.0017	0.0043	0.0061	0.0011
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PRODUCTS (Subline Code 336)
FULL COVERAGE
MULTISTATE
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR 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>
12/31/2000	1.006	1.010	1.009	1.007	1.014	1.007	1.033 *
12/31/2001	1.015	1.010	1.015	1.008	1.008	1.008 *	1.033 *
12/31/2002	0.968	1.006	1.023	1.014	1.009 *	1.008 *	1.033 *
12/31/2003	1.004	1.002	1.003	1.009 *	1.009 *	1.008 *	1.033 *
12/31/2004	1.014	0.995	1.005 *	1.009 *	1.009 *	1.008 *	1.033 *
12/31/2005	1.004						
Best 3/5	1.007	1.006	1.009 *	1.009 *	1.009 *	1.008 *	1.033 *

171 to Ultimate Factor: 1.084

<u>Months-to-Ultimate</u>	Cumulative Incremental Factors						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.540	0.454	0.313	0.175	0.089	0.049	0.034
<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>
	0.025	0.019	0.013	0.012	0.007	0.001	0.000

A.Y.E	Reported ALAE as of 3/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2017	8,108,570	28,502,182	0.313	8,921,186	17,029,756	1.084	18,459,984
12/31/2018	5,407,503	36,342,882	0.454	16,499,669	21,907,172	1.084	23,747,125
12/31/2019	1,044,122	25,887,798	0.540	13,979,404	15,023,526	1.084	16,285,287

* 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>
12/31/2000	9,442,453	12,595,997	14,511,970	15,343,878	16,676,192	17,703,603	18,552,945	19,303,760	19,549,456	19,875,358	19,888,742
12/31/2001	11,352,927	14,665,038	18,711,896	19,696,500	19,611,935	20,309,474	21,442,362	21,341,015	21,845,669	22,043,334	22,328,133
12/31/2002	9,140,824	14,207,988	17,186,817	16,683,379	16,557,917	17,662,370	17,931,886	18,086,542	18,329,249	18,592,359	19,095,692
12/31/2003	10,897,192	12,589,552	14,878,060	16,148,413	17,510,366	18,785,505	19,117,935	19,730,659	20,298,476	20,586,735	20,682,183
12/31/2004	10,021,997	12,167,902	13,583,994	13,950,681	15,326,855	15,316,667	15,660,603	16,042,499	16,191,023	16,583,240	16,740,575
12/31/2005	11,527,978	13,714,275	13,727,131	14,394,665	14,762,252	15,242,516	15,208,555	16,231,598	16,299,313	16,940,340	17,252,157
12/31/2006	12,722,815	14,463,715	15,677,271	15,956,752	17,020,413	17,450,985	18,183,484	20,046,811	20,648,948	20,475,092	20,590,175
12/31/2007	17,124,759	19,503,428	20,500,343	20,625,847	21,786,418	22,593,375	23,929,136	24,613,440	24,910,504	25,665,904	26,242,419
12/31/2008	16,582,353	19,627,203	21,194,465	22,239,627	23,203,853	24,352,152	25,053,533	25,570,499	26,129,971	26,603,865	26,782,852
12/31/2009	18,862,503	21,787,343	23,590,782	23,596,808	23,808,579	24,526,676	24,191,140	24,840,688	25,193,460	25,077,777	25,371,362
12/31/2010	18,169,384	20,850,476	22,144,693	22,618,382	22,649,384	23,330,665	23,373,353	23,751,251	24,103,830	24,276,952	
12/31/2011	14,767,208	16,412,327	17,237,787	18,607,499	18,973,542	19,480,766	20,045,028	20,605,631	20,664,707		
12/31/2012	15,310,538	16,578,296	18,263,545	20,451,249	20,897,694	21,240,826	21,567,032	21,735,928			
12/31/2013	13,813,933	16,461,182	17,918,370	18,180,611	18,941,231	19,377,705	19,666,778				
12/31/2014	13,289,016	15,586,803	17,017,645	17,133,679	17,421,951	17,444,627					
12/31/2015	14,091,105	15,062,232	15,589,195	16,225,755	17,677,801						
12/31/2016	13,950,535	16,856,463	18,452,036	18,937,789							
12/31/2017	13,580,524	17,066,171	18,296,115								
12/31/2018	12,825,670	14,924,657									
12/31/2019	15,061,958										
<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>		
12/31/2000	19,658,847	19,804,510	19,653,391	19,639,748	19,641,139	19,639,767	19,641,968	19,631,468	19,631,468		
12/31/2001	22,350,671	22,110,186	21,963,916	22,013,589	21,966,440	21,973,267	21,962,467	21,862,465			
12/31/2002	19,207,079	19,292,462	19,330,684	19,431,364	19,431,070	19,362,558	19,259,058				
12/31/2003	21,167,516	20,967,264	20,927,351	20,957,593	20,940,356	20,979,031					
12/31/2004	16,949,494	16,886,578	17,046,720	16,798,398	16,692,432						
12/31/2005	17,116,162	17,027,682	17,254,927	17,203,957							
12/31/2006	20,413,758	20,738,236	20,749,176								
12/31/2007	26,379,519	26,390,557									
12/31/2008	26,845,848										

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
12/31/2000	1.334	1.152	1.057	1.087	1.062	1.048	1.040	1.013	1.017	1.001	0.988
12/31/2001	1.292	1.276	1.053	0.996	1.036	1.056	0.995	1.024	1.009	1.013	1.001
12/31/2002	1.554	1.210	0.971	0.992	1.067	1.015	1.009	1.013	1.014	1.027	1.006
12/31/2003	1.155	1.182	1.085	1.084	1.073	1.018	1.032	1.029	1.014	1.005	1.023
12/31/2004	1.214	1.116	1.027	1.099	0.999	1.022	1.024	1.009	1.024	1.009	1.012
12/31/2005	1.190	1.001	1.049	1.026	1.033	0.998	1.067	1.004	1.039	1.018	0.992
12/31/2006	1.137	1.084	1.018	1.067	1.025	1.042	1.102	1.030	0.992	1.006	0.991
12/31/2007	1.139	1.051	1.006	1.056	1.037	1.059	1.029	1.012	1.030	1.022	1.005
12/31/2008	1.184	1.080	1.049	1.043	1.049	1.029	1.021	1.022	1.018	1.007	1.002
12/31/2009	1.155	1.083	1.000	1.009	1.030	0.986	1.027	1.014	0.995	1.012	
12/31/2010	1.148	1.062	1.021	1.001	1.030	1.002	1.016	1.015	1.007		
12/31/2011	1.111	1.050	1.079	1.020	1.027	1.029	1.028	1.003			
12/31/2012	1.083	1.102	1.120	1.022	1.016	1.015	1.008				
12/31/2013	1.192	1.089	1.015	1.042	1.023	1.015					
12/31/2014	1.173	1.092	1.007	1.017	1.001						
12/31/2015	1.069	1.035	1.041	1.089							
12/31/2016	1.208	1.095	1.026								
12/31/2017	1.257	1.072									
12/31/2018	1.164										
3 Yr Mean	1.210	1.067	1.025	1.049	1.013	1.020	1.017	1.011	1.007	1.014	0.999
Best 3/5	1.182	1.084	1.027	1.028	1.022	1.011	1.021	1.014	1.007	1.012	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/2000	1.007	0.992	0.999	1.000	1.000	1.000	0.999	1.000			
12/31/2001	0.989	0.993	1.002	0.998	1.000	1.000	0.995	1.000 *			
12/31/2002	1.004	1.002	1.005	1.000	0.996	0.995	1.000 *	1.000 *			
12/31/2003	0.991	0.998	1.001	0.999	1.002	1.000 *	1.000 *	1.000 *			
12/31/2004	0.996	1.009	0.985	0.994	0.999 *	1.000 *	1.000 *	1.000 *			
12/31/2005	0.995	1.013	0.997								
12/31/2006	1.016	1.001									
12/31/2007	1.000										
3 Yr Mean	1.004	1.008	0.994	0.998	0.999 @	0.998 @	0.997 @	1.000 @			
Best 3/5	0.997	1.004	1.000	0.999	1.000 *	1.000 *	1.000 *	1.000 *			

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
12/31/2015					1.022	1.011	1.021	1.014	1.007	1.012	1.000
12/31/2016				1.028	1.022	1.011	1.021	1.014	1.007	1.012	1.000
12/31/2017			1.027	1.028	1.022	1.011	1.021	1.014	1.007	1.012	1.000
12/31/2018		1.084	1.027	1.028	1.022	1.011	1.021	1.014	1.007	1.012	1.000
12/31/2019	1.182	1.084	1.027	1.028	1.022	1.011	1.021	1.014	1.007	1.012	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	0.997	1.004	1.000	0.999	1.000	1.000	1.000	1.000	1.000*	1.090
12/31/2016	0.997	1.004	1.000	0.999	1.000	1.000	1.000	1.000	1.000*	1.121
12/31/2017	0.997	1.004	1.000	0.999	1.000	1.000	1.000	1.000	1.000*	1.151
12/31/2018	0.997	1.004	1.000	0.999	1.000	1.000	1.000	1.000	1.000*	1.248
12/31/2019	0.997	1.004	1.000	0.999	1.000	1.000	1.000	1.000	1.000*	1.475

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

PRODUCTS (Subline Code 336)
 DEDUCTIBLE
 MULTISTATE
 PROPERTY DAMAGE - OCCURRENCE
 INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/2000	881,981	1,403,398	1,852,970	1,697,543	1,785,874	1,955,489	2,343,312	2,529,715	2,673,661	2,888,667	2,958,533
12/31/2001	1,655,036	1,846,021	2,447,574	2,733,510	2,661,869	2,972,417	3,420,201	3,992,819	4,235,048	4,353,126	4,501,760
12/31/2002	792,779	1,413,278	1,684,193	2,099,656	2,690,430	2,814,672	2,966,986	3,081,315	3,682,598	3,669,629	3,668,830
12/31/2003	1,084,908	1,076,791	1,011,567	1,154,325	1,208,991	1,352,096	1,708,264	1,723,839	1,748,735	1,891,159	2,146,041
12/31/2004	698,423	1,285,503	1,590,908	1,341,501	1,211,530	1,263,277	1,250,828	1,220,525	1,323,174	1,420,512	1,420,706
12/31/2005	1,676,537	2,785,909	2,745,447	3,135,472	3,014,131	2,884,907	3,239,455	3,252,628	3,344,161	3,265,944	3,217,114
12/31/2006	2,709,173	3,828,126	4,450,110	4,142,996	4,085,655	4,220,634	4,658,488	4,730,271	4,856,970	4,985,919	5,020,003
12/31/2007	3,147,987	2,934,228	2,794,920	2,895,503	3,112,600	3,148,951	3,143,182	3,394,358	3,510,333	3,526,243	3,646,779
12/31/2008	2,296,149	2,532,105	3,008,852	3,125,863	2,919,539	2,977,845	3,144,737	3,232,876	3,243,072	3,163,285	3,270,284
12/31/2009	3,451,977	3,425,352	2,994,398	3,053,973	3,222,320	3,442,737	3,351,690	3,477,798	3,516,547	3,704,094	3,758,463
12/31/2010	1,964,884	2,830,798	3,057,448	2,849,819	2,837,586	2,948,116	2,975,358	2,895,560	2,945,573	3,180,473	
12/31/2011	3,184,589	3,208,492	3,039,215	3,044,912	3,222,783	3,135,788	3,099,706	3,099,229	3,104,205		
12/31/2012	2,644,430	2,762,516	2,902,587	2,810,472	2,922,504	2,700,270	2,713,625	2,747,281			
12/31/2013	3,491,847	3,527,426	3,640,383	3,595,202	3,547,940	3,622,641	3,584,464				
12/31/2014	2,971,920	3,952,572	4,092,912	4,219,687	4,255,953	4,259,286					
12/31/2015	2,289,847	2,368,540	2,762,369	2,902,685	3,017,091						
12/31/2016	2,185,048	2,514,756	2,265,683	2,420,753							
12/31/2017	1,861,919	2,388,729	2,887,762								
12/31/2018	2,278,343	3,221,640									
12/31/2019	2,099,509										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2000	2,871,789	2,821,996	2,829,669	2,827,533	2,822,212	2,822,212	2,887,141	2,887,140	2,887,140
12/31/2001	4,344,086	4,302,255	4,252,584	4,233,255	4,160,727	4,165,730	4,158,726	4,058,726	
12/31/2002	3,414,029	3,363,807	3,312,706	3,302,706	3,305,040	3,303,204	3,103,104		
12/31/2003	2,213,739	2,242,476	2,184,929	2,183,053	2,181,551	2,181,551			
12/31/2004	1,390,904	1,442,905	1,437,904	1,437,804	1,445,804				
12/31/2005	3,232,614	3,265,478	3,324,946	3,285,946					
12/31/2006	5,034,718	5,017,315	4,909,931						
12/31/2007	3,525,740	3,501,019							
12/31/2008	3,236,184								

PRODUCTS (Subline Code 336)
 DEDUCTIBLE
 MULTISTATE
 PROPERTY DAMAGE - OCCURRENCE
 INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

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
12/31/2000	1.591	1.320	0.916	1.052	1.095	1.198	1.080	1.057	1.080	1.024	0.971
12/31/2001	1.115	1.326	1.117	0.974	1.117	1.151	1.167	1.061	1.028	1.034	0.965
12/31/2002	1.783	1.192	1.247	1.281	1.046	1.054	1.039	1.195	0.996	1.000	0.931
12/31/2003	0.993	0.939	1.141	1.047	1.118	1.263	1.009	1.014	1.081	1.135	1.032
12/31/2004	1.841	1.238	0.843	0.903	1.043	0.990	0.976	1.084	1.074	1.000	0.979
12/31/2005	1.662	0.985	1.142	0.961	0.957	1.123	1.004	1.028	0.977	0.985	1.005
12/31/2006	1.413	1.162	0.931	0.986	1.033	1.104	1.015	1.027	1.027	1.007	1.003
12/31/2007	0.932	0.953	1.036	1.075	1.012	0.998	1.080	1.034	1.005	1.034	0.967
12/31/2008	1.103	1.188	1.039	0.934	1.020	1.056	1.028	1.003	0.975	1.034	0.990
12/31/2009	0.992	0.874	1.020	1.055	1.068	0.974	1.038	1.011	1.053	1.015	
12/31/2010	1.441	1.080	0.932	0.996	1.039	1.009	0.973	1.017	1.080		
12/31/2011	1.008	0.947	1.002	1.058	0.973	0.988	1.000	1.002			
12/31/2012	1.045	1.051	0.968	1.040	0.924	1.005	1.012				
12/31/2013	1.010	1.032	0.988	0.987	1.021	0.989					
12/31/2014	1.330	1.036	1.031	1.009	1.001						
12/31/2015	1.034	1.166	1.051	1.039							
12/31/2016	1.151	0.901	1.068								
12/31/2017	1.283	1.209									
12/31/2018	1.414										

3 Yr Mean	1.283	1.092	1.050	1.012	0.982	0.994	0.995	1.010	1.036	1.028	0.987
Best 3/5	1.255	1.078	1.023	1.029	0.998	0.994	1.013	1.010	1.028	1.019	0.991

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/2000	0.983	1.003	0.999	0.998	1.000	1.023	1.000	1.000
12/31/2001	0.990	0.988	0.995	0.983	1.001	0.998	0.976	0.999 *
12/31/2002	0.985	0.985	0.997	1.001	0.999	0.939	0.999 *	0.999 *
12/31/2003	1.013	0.974	0.999	0.999	1.000	1.000 *	0.999 *	0.999 *
12/31/2004	1.037	0.997	1.000	1.006	1.000 *	1.000 *	0.999 *	0.999 *
12/31/2005	1.010	1.018	0.988					
12/31/2006	0.997	0.979						
12/31/2007	0.993							

3 Yr Mean	1.000	0.998	0.996	1.002	1.000 @	0.987 @	0.988 @	1.000 @
Best 3/5	1.007	0.987	0.997	0.999	1.000 *	0.999 *	0.999 *	0.999 *

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
12/31/2015					0.998	0.994	1.013	1.010	1.028	1.019	0.991
12/31/2016				1.029	0.998	0.994	1.013	1.010	1.028	1.019	0.991
12/31/2017			1.023	1.029	0.998	0.994	1.013	1.010	1.028	1.019	0.991
12/31/2018		1.078	1.023	1.029	0.998	0.994	1.013	1.010	1.028	1.019	0.991
12/31/2019	1.255	1.078	1.023	1.029	0.998	0.994	1.013	1.010	1.028	1.019	0.991

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	1.007	0.987	0.997	0.999	1.000	0.999	0.999	0.999	0.996*	1.036
12/31/2016	1.007	0.987	0.997	0.999	1.000	0.999	0.999	0.999	0.996*	1.066
12/31/2017	1.007	0.987	0.997	0.999	1.000	0.999	0.999	0.999	0.996*	1.090
12/31/2018	1.007	0.987	0.997	0.999	1.000	0.999	0.999	0.999	0.996*	1.175
12/31/2019	1.007	0.987	0.997	0.999	1.000	0.999	0.999	0.999	0.996*	1.475

* Calculated Using Modified Bondy Method
 @ 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>
12/31/2000	2,438,105	3,613,367	5,954,589	9,767,256	12,101,265	15,235,357	17,770,451	18,669,999	19,274,305	20,102,474	20,541,468
12/31/2001	1,952,266	3,397,326	5,939,847	9,331,805	12,770,624	14,602,193	17,314,604	18,748,523	20,075,583	19,263,149	19,467,665
12/31/2002	1,149,378	3,177,236	6,301,355	8,177,921	10,109,044	11,325,082	12,107,954	14,045,611	13,469,406	13,578,191	14,107,520
12/31/2003	1,566,409	3,764,569	6,375,247	10,308,523	12,191,814	14,069,866	15,835,331	16,926,882	17,946,487	18,950,239	19,751,598
12/31/2004	1,204,922	2,683,943	5,393,258	7,861,179	10,224,589	11,996,951	13,356,197	14,385,812	15,585,680	16,621,310	17,285,681
12/31/2005	2,114,679	4,451,905	7,673,461	7,708,910	8,856,758	10,106,473	12,329,414	13,933,149	15,070,380	16,227,123	17,345,774
12/31/2006	1,462,809	3,531,285	6,712,138	9,562,897	11,465,757	13,488,637	14,893,579	17,092,326	20,206,214	20,798,240	21,588,142
12/31/2007	1,965,782	3,841,019	5,846,296	9,121,386	11,347,372	13,351,437	14,721,517	17,009,105	18,167,763	20,004,092	21,185,677
12/31/2008	1,722,948	4,705,925	8,668,380	11,988,035	15,083,631	17,534,796	19,000,073	19,945,893	20,587,707	21,371,779	21,654,030
12/31/2009	4,305,135	9,374,722	15,771,463	19,239,757	22,526,804	26,263,211	27,235,504	28,697,686	30,215,272	30,835,271	31,211,218
12/31/2010	2,449,705	5,502,180	10,181,707	15,212,106	19,566,777	21,556,674	22,841,387	23,270,112	23,855,772	24,215,342	
12/31/2011	2,501,273	4,654,993	8,300,801	11,567,518	14,493,103	17,194,915	18,643,432	19,867,474	20,462,773		
12/31/2012	3,045,424	7,744,139	12,957,225	19,847,211	21,758,424	24,154,189	28,218,676	33,865,759			
12/31/2013	2,829,165	6,135,641	9,591,856	13,439,281	16,061,381	18,119,100	21,234,372				
12/31/2014	3,274,751	5,865,940	8,915,766	11,489,729	13,648,224	14,608,231					
12/31/2015	2,550,540	5,300,251	8,603,903	10,972,399	13,557,097						
12/31/2016	4,284,893	10,105,422	16,511,348	19,198,593							
12/31/2017	2,610,114	4,732,008	8,178,650								
12/31/2018	2,440,051	4,613,853									
12/31/2019	2,741,778										

<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>
12/31/2000	21,056,307	21,408,357	21,569,012	21,508,631	21,765,649	21,762,734	21,740,441	21,742,743	21,742,743
12/31/2001	19,952,120	20,413,892	20,922,294	20,966,353	20,950,816	20,963,982	20,967,173	20,972,127	
12/31/2002	14,475,913	14,765,771	14,962,527	15,048,716	15,076,863	15,076,583	15,081,236		
12/31/2003	21,009,873	21,206,082	21,866,776	21,919,664	21,825,716	21,860,763			
12/31/2004	18,192,020	18,498,027	18,537,199	18,673,250	18,669,397				
12/31/2005	18,187,227	19,249,640	19,619,779	19,388,430					
12/31/2006	21,689,825	21,890,215	21,987,646						
12/31/2007	21,902,850	22,276,493							
12/31/2008	22,267,327								

PRODUCTS (Subline Code 336)
FULL COVERAGE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

	Increments												
A.Y.E	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/2000	1,175,262	2,341,222	3,812,667	2,334,009	3,134,092	2,535,094	899,548	604,306	828,169	438,994	514,839	352,050	160,655
12/31/2001	1,445,060	2,542,521	3,391,958	3,438,819	1,831,569	2,712,411	1,433,919	1,327,060	-812,434	204,516	484,455	461,772	508,402
12/31/2002	2,027,858	3,124,119	1,876,566	1,931,123	1,216,038	782,872	1,937,657	-576,205	108,785	529,329	368,393	289,858	196,756
12/31/2003	2,198,160	2,610,678	3,933,276	1,883,291	1,878,052	1,765,465	1,091,551	1,019,605	1,003,752	801,359	1,258,275	196,209	660,694
12/31/2004	1,479,021	2,709,315	2,467,921	2,363,410	1,772,362	1,359,246	1,029,615	1,199,868	1,035,630	664,371	906,339	306,007	39,172
12/31/2005	2,337,226	3,221,556	35,449	1,147,848	1,249,715	2,222,941	1,603,735	1,137,231	1,156,743	1,118,651	841,453	1,062,413	370,139
12/31/2006	2,068,476	3,180,853	2,850,759	1,902,860	2,022,880	1,404,942	2,198,747	3,113,888	592,026	789,902	101,683	200,390	97,431
12/31/2007	1,875,237	2,005,277	3,275,090	2,225,986	2,004,065	1,370,080	2,287,588	1,158,658	1,836,329	1,181,585	717,173	373,643	
12/31/2008	2,982,977	3,962,455	3,319,655	3,095,596	2,451,165	1,465,277	945,820	641,814	784,072	282,251	613,297		
12/31/2009	5,069,587	6,396,741	3,468,294	3,287,047	3,736,407	972,293	1,462,182	1,517,586	619,999	375,947			
12/31/2010	3,052,475	4,679,527	5,030,399	4,354,671	1,989,897	1,284,713	428,725	585,660	359,570				
12/31/2011	2,153,720	3,645,808	3,266,717	2,925,585	2,701,812	1,448,517	1,224,042	595,299					
12/31/2012	4,698,715	5,213,086	6,889,986	1,911,213	2,395,765	4,064,487	5,647,083						
12/31/2013	3,306,476	3,456,215	3,847,425	2,622,100	2,057,719	3,115,272							
12/31/2014	2,591,189	3,049,826	2,573,963		960,007								
12/31/2015	2,749,711	3,303,652	2,368,496	2,584,698									
12/31/2016	5,820,529	6,405,926	2,687,245										
12/31/2017	2,121,894	3,446,642											
12/31/2018	2,173,802												

	Incremental Percentages												
A.Y.E	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/2000	0.0392	0.0781	0.1272	0.0778	0.1045	0.0846	0.0300	0.0202	0.0276	0.0146	0.0172	0.0117	0.0054
12/31/2001	0.0455	0.0801	0.1069	0.1084	0.0577	0.0855	0.0452	0.0418	-0.0256	0.0064	0.0153	0.0146	0.0160
12/31/2002	0.0732	0.1127	0.0677	0.0697	0.0439	0.0283	0.0699	-0.0208	0.0039	0.0191	0.0133	0.0105	0.0071
12/31/2003	0.0706	0.0838	0.1263	0.0605	0.0603	0.0567	0.0350	0.0327	0.0322	0.0257	0.0404	0.0063	0.0212
12/31/2004	0.0662	0.1213	0.1105	0.1058	0.0793	0.0608	0.0461	0.0537	0.0464	0.0297	0.0406	0.0137	0.0018
12/31/2005	0.0949	0.1309	0.0014	0.0466	0.0508	0.0903	0.0652	0.0462	0.0470	0.0454	0.0342	0.0432	0.0150
12/31/2006	0.0665	0.1022	0.0916	0.0611	0.0650	0.0451	0.0706	0.1000	0.0190	0.0254	0.0033	0.0064	0.0031
12/31/2007	0.0498	0.0533	0.0870	0.0592	0.0533	0.0364	0.0608	0.0308	0.0488	0.0314	0.0191	0.0099	
12/31/2008	0.0727	0.0965	0.0809	0.0754	0.0597	0.0357	0.0230	0.0156	0.0191	0.0069	0.0149		
12/31/2009	0.1194	0.1507	0.0817	0.0774	0.0880	0.0229	0.0344	0.0358	0.0146	0.0089			
12/31/2010	0.0821	0.1259	0.1353	0.1171	0.0535	0.0346	0.0115	0.0158	0.0097				
12/31/2011	0.0647	0.1096	0.0982	0.0879	0.0812	0.0435	0.0368	0.0179					
12/31/2012	0.1259	0.1397	0.1846	0.0512	0.0642	0.1089	0.1513						
12/31/2013	0.0960	0.1003	0.1117	0.0761	0.0597	0.0904							
12/31/2014	0.0760	0.0894	0.0755	0.0633	0.0281								
12/31/2015	0.0868	0.1042	0.0747	0.0816									
12/31/2016	0.1537	0.1692	0.0710										
12/31/2017	0.0530	0.0860											
12/31/2018	0.0737												

Best 3/5	0.0788	0.0980	0.0873	0.0737	0.0592	0.0562	0.0314	0.0215	0.0176	0.0219	0.0227	0.0100	0.0084
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PRODUCTS (Subline Code 336)
 FULL COVERAGE
 MULTISTATE
 PROPERTY DAMAGE - OCCURRENCE
 INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

<u>A.Y.E.</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>Link Ratios</u> <u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>Ult:243</u>
12/31/2000	0.997	1.012	1.000	0.999	1.000	1.000	1.000 *
12/31/2001	1.002	0.999	1.001	1.000	1.000	1.000 *	1.000 *
12/31/2002	1.006	1.002	1.000	1.000	1.000 *	1.000 *	1.000 *
12/31/2003	1.002	0.996	1.002	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2004	1.007	1.000	1.000 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2005	0.988						
Best 3/5	1.003	1.000	1.000 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.003

	<u>Cumulative Incremental Factors</u>						
<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>
	0.587	0.508	0.410	0.323	0.249	0.190	0.134
<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>
	0.102	0.081	0.063	0.041	0.018	0.008	0.000

<u>A.Y.E</u>	<u>Reported ALAE</u> <u>as of 3/31/20</u>	<u>\$500,000</u> <u>Ultimate Indemnity</u>	<u>ALAE</u> <u>Factor</u>	<u>Additional</u> <u>ALAE</u>	<u>ALAE at</u> <u>171 Months</u>	<u>171-Ultimate</u> <u>Factor</u>	<u>Ultimate</u> <u>ALAE</u>
12/31/2017	9,357,164	43,979,172	0.410	18,031,465	27,388,629	1.003	27,470,488
12/31/2018	5,052,840	32,929,481	0.508	16,728,169	21,781,009	1.003	21,846,053
12/31/2019	2,870,401	38,396,221	0.587	22,538,584	25,408,985	1.003	25,484,940

* Calculated Using Modified Bondy Method

Multistate Review of ULAE Experience
General Liability Including CMP Liability
Loss Adjustment Expense Special Call
Calendar Years 2015- 2019

<u>Item *</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2015 - 2019 Mean</u>
1. Direct Losses Incurred	\$24,958,455	\$25,388,567	\$22,632,160	\$26,519,433	\$28,416,595	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$6,032,038	\$4,939,134	\$5,935,928	\$5,781,764	\$5,750,906	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$2,454,825	\$2,540,806	\$2,332,466	\$2,282,751	\$2,814,839	
4. Incurred Losses + ALAE [(1) + (2)]	\$30,990,493	\$30,327,701	\$28,568,088	\$32,301,197	\$34,167,501	
		<u>Incurred Percentage</u>				
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	7.9%	8.4%	8.2%	7.1%	8.2%	8.0%
6. Selected	8.0%					

Notes: All dollar amounts are displayed in thousands.

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

PRODUCTS TREND SUMMARY

(1)	<u>EXPOSURE TREND</u>	<u>PRODUCTS</u>	
	Average Annual Percent Change		
	a) 7/1/2017 to 7/1/2022 AYE 12/31/2017	+ 0.9%	
	b) 7/1/2018 to 7/1/2022 AYE 12/31/2018	+ 0.8%	
	c) 7/1/2019 to 7/1/2022 AYE 12/31/2019	+ 0.7%	
(2)	<u>OCCURRENCE SEVERITY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>
	a) Fitted		
	All Years	+ 4.6%	+ 4.7%
	Eight Years	+ 2.9%	+ 2.2%
	Six Years	+ 3.2%	+ 4.7%
	b) Selected	+ 3.0%	+ 5.5%
(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 12/31/2017, 12/31/2018 & 12/31/2019

(1) YEAR ENDING QUARTER*	(2) PRODUCTS CLASS GROUP SALES EXPOSURE INDICES	(1) YEAR ENDING QUARTER*	(2) PRODUCTS CLASS GROUP SALES EXPOSURE INDICES
2009	1 0.961	2016	1 1.030
	2 0.966		2 1.030
	3 0.969		3 1.029
	4 0.968		4 1.030
2010	1 0.964	2017	1 1.033
	2 0.962		2 1.034
	3 0.962		3 1.037
	4 0.965		4 1.040
2011	1 0.968	2018	1 1.043
	2 0.973		2 1.047
	3 0.978		3 1.051
	4 0.982		4 1.054
2012	1 0.986	2019	1 1.057
	2 0.990		2 1.060
	3 0.995		3 1.062
	4 1.000		4 1.064
2013	1 1.004	2020	1 1.065
	2 1.006		2 1.059
	3 1.008		3P 1.055
	4 1.010		4P 1.052
2014	1 1.012	2021	1P 1.050
	2 1.016		2P 1.055
	3 1.019		3P 1.058
	4 1.022		4P 1.062
2015	1 1.024	2022	1P 1.067
	2 1.026		2P 1.074
	3 1.027		3P 1.081
	4 1.030		4P 1.088

CHANGE IN EXPOSURES	PRODUCTS
7/1/2017 to 7/1/2022 (2022:4/2017:4)	1.046
7/1/2018 to 7/1/2022 (2022:4/2018:4)	1.032
7/1/2019 to 7/1/2022 (2022:4/2019:4)	1.022
AVERAGE ANNUAL TREND FACTOR	
7/1/2017 to 7/1/2022 (5.0 YRS)	1.009
7/1/2018 to 7/1/2022 (4.0 YRS)	1.008
7/1/2019 to 7/1/2022 (3.0 YRS)	1.007

* 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 <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Paid <u>Occurrences</u>	(4) (2)/(3) Actual <u>Severity</u>	(5) Exponential Curve of <u>Best Fit to Col (4)</u>		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2010	\$28,291,286	1,148	\$24,644	\$25,701		
12/31/2011	25,844,845	1,059	24,405	26,878		
12/31/2012	31,873,158	967	32,961	28,109	\$30,230	
12/31/2013	22,587,522	799	28,270	29,396	31,118	
12/31/2014	19,951,081	615	32,441	30,742	32,031	\$31,838
12/31/2015	17,652,233	522	33,817	32,149	32,971	32,873
12/31/2016	17,181,212	542	31,700	33,622	33,939	33,941
12/31/2017	17,419,555	497	35,049	35,161	34,935	35,044
12/31/2018	15,015,252	416	36,094	36,771	35,961	36,182
12/31/2019	16,484,532	431	38,247	38,455	37,016	37,358
Goodness of Fit Statistic, R-Squared:				0.778	0.602	0.737
Average Annual Severity Trend (10 yr)				+ 4.6%		
Average Annual Severity Trend (8 yr)				+ 2.9%		
Average Annual Severity Trend (6 yr)				+ 3.2%		
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 Section B - 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)		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2010	\$45,675,399	1,504	\$30,369	\$34,409		
12/31/2011	42,416,612	1,273	33,320	36,043		
12/31/2012	51,221,849	1,131	45,289	37,754	\$42,234	
12/31/2013	45,005,735	1,011	44,516	39,547	43,157	
12/31/2014	38,700,411	942	41,083	41,424	44,100	\$40,823
12/31/2015	35,495,385	866	40,988	43,391	45,063	42,735
12/31/2016	45,421,354	897	50,637	45,451	46,048	44,737
12/31/2017	36,563,407	839	43,580	47,609	47,054	46,832
12/31/2018	34,768,907	778	44,690	49,870	48,082	49,026
12/31/2019	44,523,961	804	55,378	52,237	49,133	51,322
Goodness of Fit Statistic, R-Squared:				0.624	0.265	0.500
Average Annual Severity Trend (10 yr)				+ 4.7%		
Average Annual Severity Trend (8 yr)				+ 2.2%		
Average Annual Severity Trend (6 yr)				+ 4.7%		
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 Section B - Explanation of Trend Calculation).

PRODUCTS

FREQUENCY TREND
MULTISTATE

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

Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences at Ultimate ¹	(4) Occurrence Frequency <u>(3)/(2)²</u>
12/31/2006	\$ 87,900,076	2,884	32.81
12/31/2007	89,768,337	3,194	35.58
12/31/2008	95,613,838	3,081	32.23
12/31/2009	105,059,614	3,521	33.51
12/31/2010	111,095,984	3,588	32.29
12/31/2011	112,338,542	3,319	29.54
12/31/2012	113,233,179	3,093	27.32
12/31/2013	113,272,079	3,012	26.59
12/31/2014	115,658,305	2,683	23.19
12/31/2015	121,444,754	2,347	19.32
12/31/2016	124,967,946	2,295	18.36
12/31/2017	128,546,662	2,138	16.63
12/31/2018	127,109,414	1,952	15.35
12/31/2019	131,902,215	2,018	15.30

Selected Annual Frequency Trend: - 1.5%

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

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

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 pages F-31-40.

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)

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes (Cont'd)

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

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 of 0.998 results from capping.

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes (Cont'd)

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.

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 * 1.013 * .937

CLASS	AYE 2019 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)
10140	308391	1357387	1.33556	.1355	1.052	1.079	1.024	.021	.022	4.8	.021	.022
10141	515125	2463807	1.15508	.1872	1.035	1.062	1.008	.023	.023	0.0	.023	.023
12361	2109590	10585019	.83864	.4348	.934	.958	.909	.077	.070	-9.1	.077	.070
12373	79471	663432	.74895	.0997	.982	1.007	.956	.024	.023	-4.2	.024	.023
13049	262153	1197829	.28398	.1275	.915	.938	.890	.057	.051	-10.5	.057	.051
13111	47476	246758	1.07502	.0767	1.013	1.039	.986	.093	.092	-1.1	.093	.092
13112	1824163	8649112	1.05274	.3906	1.025	1.051	.998	.063	.063	0.0	.063	.063
13621	265660	1758388	1.39833	.1550	1.068	1.095	1.039	.320	.330	3.1	.320	.330
13670	315674	1673776	2.26414	.1510	1.197	1.228	1.166	.015	.017	13.3	.015	.017
15223	1155803	5965343	1.31734	.3163	1.105	1.133	1.075	.041	.044	7.3	.041	.044
15406	308853	1422620	1.99864	.1388	1.145	1.174	1.114	.048	.053	10.4	.048	.053
16604	1320043	6691105	.57834	.3381	.862	.884	.839	.146	.122	-16.4	.146	.122
51300	341	32241	.00000	.0644	.942	.966	.917	.160	.147	-8.1	.160	.147
51305	25977	73614	.05007	.0668	.943	.967	.918	.960	.880	-8.3	.960	.880
51315	885488	4145799	.68617	.2548	.926	.950	.902	.106	.096	-9.4	.106	.096
51350	148733	884134	.64448	.1114	.967	.992	.942	.135	.127	-5.9	.135	.127
51351	43937	134853	3.66481	.0703	1.194	1.225	1.163	.042	.049	16.7	.042	.049
51352	116305	503950	.49466	.0910	.961	.986	.936	.108	.101	-6.5	.108	.101
51355	157393	818049	.84594	.1079	.990	1.015	.963	.094	.091	-3.2	.094	.091
51356	79244	306665	.02589	.0801	.929	.953	.905	.620	.560	-9.7	.620	.560
51357	7407	23518	3.80602	.0639	1.186	1.216	1.154	.660	.760	15.2	.660	.760
51358	27215	86709	.00000	.0675	.939	.963	.914	.141	.129	-8.5	.141	.129
51359	71710	280441	.12829	.0786	.938	.962	.913	.780	.710	-9.0	.780	.710
51752	610679	3131682	.66985	.2154	.935	.959	.910	.165	.150	-9.1	.165	.150
52002	1621678	8473765	.75300	.3862	.909	.932	.885	.129	.114	-11.6	.129	.114
53001	2324615	11759021	.86029	.4587	.940	.964	.915	.330	.300	-9.1	.330	.300
53374	6541650	28930150	.77796	.6653	.855	.877	.832	.310	.260	-16.1	.310	.260
53375	1850458	9565469	1.77973	.4124	1.326	1.360	1.291	.223	.270	21.1	.223	.270
53376	604727	2822401	.80397	.2026	.966	.991	.941	.194	.183	-5.7	.194	.183
53377	2773981	11600402	.96381	.4556	.988	1.013	.962	.195	.188	-3.6	.195	.188
53565	189779	878986	.13684	.1111	.911	.934	.887	.108	.096	-11.1	.108	.096
55371	29058	164571	.00000	.0720	.935	.959	.910	.119	.108	-9.2	.119	.108
56488	86699	315411	2.59004	.0806	1.135	1.164	1.105	.034	.038	11.8	.034	.038
56758	140707	542786	.58214	.0931	.968	.993	.943	.148	.140	-5.4	.148	.140
56759	769283	3481519	.97636	.2295	1.000	1.026	.974	.080	.078	-2.5	.080	.078
56760	1742502	7906593	1.09347	.3717	1.039	1.066	1.012	.098	.099	1.0	.098	.099
57002	234454	881870	.26439	.1113	.925	.949	.901	.106	.096	-9.4	.106	.096

X-TILDE: .954 X-TILDE (MONOLINE): .975 PI-TILDE: .0038701
 TAU SQUARED: .03000 SIGMA SQUARED: 481978.51225

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 * 1.013 * .937

CLASS	AYE 2019 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)
57651	188321	826165	.77245	.1084	.982	1.007	.956	.041	.039	-4.9	.041	.039
57913	737652	3622690	.70101	.2350	.935	.959	.910	.290	.260	-10.3	.290	.260
59537	319909	1377747	1.94119	.1365	1.135	1.164	1.105	.210	.232	10.5	.210	.232
59647	48067	220490	.29443	.0752	.954	.978	.928	.170	.158	-7.1	.170	.158
59904	10803	49654	6.95191	.0654	1.396	1.432	1.359	.061	.076	24.6	.061	.076
59905	161501	689234	.26891	.1011	.933	.957	.908	.132	.120	-9.1	.132	.120
59925	1152	8023	1.39935	.0630	1.032	1.058	1.004	1.190	1.190	0.0	1.190	1.190
59926	258619	1278712	1.29671	.1316	1.045	1.072	1.018	.450	.460	2.2	.450	.460
59927	41420	407638	.26905	.0857	.944	.968	.919	1.420	1.300	-8.5	1.420	1.300
59963	49453	178167	.00000	.0728	.934	.958	.909	.410	.370	-9.8	.410	.370
59964	197446	1015830	.80818	.1183	.984	1.009	.958	.069	.066	-4.3	.069	.066

U

X-TILDE: .954 X-TILDE (MONOLINE): .975 PI-TILDE: .0038701
TAU SQUARED: .03000 SIGMA SQUARED: 481978.51225

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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 * .977 * .937

CLASS	AYE 2019 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)
10010	151008	784135	1.11300	.1211	1.005	1.057	.968	.195	.189	-3.1	.195	.189
10040	852365	4606034	1.44250	.2872	1.120	1.178	1.078	.300	.320	6.7	.300	.320
10070	1887133	10021676	1.04820	.4377	1.016	1.068	.978	.154	.151	-1.9	.154	.151
10101	279456	1547054	1.14918	.1601	1.016	1.068	.978	.181	.177	-2.2	.181	.177
10111	184481	819743	.21758	.1230	.895	.941	.861	.078	.067	-14.1	.078	.067
10255	2782837	13431884	1.13623	.5037	1.064	1.119	1.024	.147	.151	2.7	.147	.151
10256	11798	56827	4.28117	.0803	1.254	1.319	1.207	.152	.183	20.4	.152	.183
10257	3283252	14617381	.83219	.5232	.907	.954	.873	.169	.148	-12.4	.169	.148
11126	175445	1075547	2.01673	.1364	1.130	1.188	1.088	.022	.024	9.1	.022	.024
11203	8225	34315	.00000	.0789	.912	.959	.878	.520	.460	-11.5	.520	.460
11248	7248	42092	.00000	.0794	.911	.958	.877	.018	.016	-11.1	.018	.016
12391	1646441	7988550	.71215	.3893	.882	.927	.849	.082	.070	-14.6	.082	.070
12509	48408	245333	.09195	.0912	.908	.955	.874	.036	.031	-13.9	.036	.031
12651	706775	3489976	1.00279	.2455	.993	1.044	.956	.530	.510	-3.8	.530	.510
12707	387896	1248486	.48076	.1453	.916	.963	.882	.640	.560	-12.5	.640	.560
12797	1215377	5976281	1.11428	.3324	1.031	1.084	.992	.196	.194	-1.0	.196	.194
13201	23322	118889	.34331	.0839	.936	.984	.901	.160	.144	-10.0	.160	.144
13204	1383326	6680613	.50247	.3535	.818	.860	.787	1.450	1.140	-21.4	1.450	1.140
13205	336404	1823210	.71463	.1734	.942	.991	.907	.460	.420	-8.7	.460	.420
13314	190	980	.00000	.0770	.914	.961	.880	.016	.014	-12.5	.016	.014
13410	3233592	14733759	.66140	.5250	.818	.860	.787	2.990	2.350	-21.4	2.990	2.350
13412	476604	2511529	1.55631	.2048	1.106	1.163	1.065	1.140	1.210	6.1	1.140	1.210
13590	4433561	20513435	.89973	.6010	.936	.984	.901	.740	.670	-9.5	.740	.670
13715	2040709	10039939	.81740	.4381	.914	.961	.880	.165	.145	-12.1	.165	.145
13930	1150579	5174510	.70132	.3066	.902	.948	.868	.201	.174	-13.4	.201	.174
14068	4262	33469	.00000	.0789	.912	.959	.878	.014	.012	-14.3	.014	.012
14527	416572	1910073	.94726	.1775	.983	1.034	.947	.189	.179	-5.3	.189	.179
14855	47900	296581	.00000	.0941	.897	.943	.863	.154	.133	-13.6	.154	.133
16005	356806	1876025	.75419	.1759	.949	.998	.914	.034	.031	-8.8	.034	.031
16009	36466	195859	3.08022	.0884	1.175	1.236	1.131	.094	.106	12.8	.094	.106
16527	4965559	23422088	.92100	.6307	.947	.996	.912	.350	.320	-8.6	.350	.320
16705	240402	996982	.43204	.1323	.916	.963	.882	.148	.131	-11.5	.148	.131
16750	346875	1892314	1.60096	.1767	1.098	1.155	1.057	.032	.034	6.3	.032	.034
18205	623010	2834525	1.64423	.2187	1.133	1.191	1.090	.350	.380	8.6	.350	.380
18616	3158356	14247041	1.07727	.5173	1.035	1.088	.996	.590	.590	0.0	.590	.590
18707	16449	85159	8.63627	.0819	1.616	1.699	1.555	.004	.005	25.0	.004	.005
45771	121181	813768	.09364	.1226	.880	.925	.847	.164	.139	-15.2	.164	.139

X-TILDE: .914 X-TILDE (MONOLINE): .951 PI-TILDE: .0048140
 TAU SQUARED: .03000 SIGMA SQUARED: 468529.76371

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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 * .977 * .937

CLASS	AYE 2019 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	530844	2160693	.84208	.1891	.962	1.012	.926	.049	.045	-8.2	.049	.045
53907	1848888	7972767	.66862	.3889	.865	.910	.833	.103	.086	-16.5	.103	.086

X-TILDE: .914 X-TILDE (MONOLINE): .951 PI-TILDE: .0048140
 TAU SQUARED: .03000 SIGMA SQUARED: 468529.76371

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 * 1.037 * .937

CLASS	AYE 2019 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)
51380	1414	7163	.32947	.1504	1.329	.961	.934	.044	.041	-6.8	.044	.041
51575	201799	1031278	1.30798	.2005	1.466	1.060	1.030	.020	.021	5.0	.020	.021
51576	234866	1047315	1.41600	.2012	1.487	1.075	1.045	.093	.097	4.3	.093	.097
51613	61033	399625	1.04746	.1703	1.427	1.032	1.003	.139	.139	0.0	.139	.139
51666	39820	249138	.00000	.1628	1.260	.911	.885	.101	.089	-11.9	.101	.089
51767	653	3410	.00000	.1502	1.279	.925	.899	.008	.007	-12.5	.008	.007
51833	1568	7777	.00000	.1504	1.279	.925	.899	.060	.054	-10.0	.060	.054
51869	127250	668629	1.04367	.1834	1.421	1.027	.998	.136	.136	0.0	.136	.136
51889	868	4185	.00000	.1502	1.279	.925	.899	.012	.011	-8.3	.012	.011
51941	1620138	8203676	1.29974	.4342	1.416	1.024	.995	.041	.041	0.0	.041	.041
52469	2178258	10180102	1.09882	.4764	1.312	.949	.922	.104	.096	-7.7	.104	.096
55647	388728	1870267	1.42673	.2373	1.487	1.075	1.045	.062	.065	4.8	.062	.065
55802	16342	105317	5.95377	.1554	2.197	1.589	1.544	.009	.011	22.2	.009	.011
56040	1057	3246	.00000	.1502	1.279	.925	.899	.033	.030	-9.1	.033	.030
57257	23300	131596	.79384	.1568	1.394	1.008	.979	.035	.034	-2.9	.035	.034
57410	24740	133575	1.59786	.1569	1.520	1.099	1.068	.162	.173	6.8	.162	.173
58503	39323	150754	1.06577	.1578	1.436	1.038	1.009	.076	.077	1.3	.076	.077
58627	2097	9754	.00000	.1505	1.279	.925	.899	.013	.012	-7.7	.013	.012
59257	135	1705	.00000	.1501	1.279	.925	.899	.013	.012	-7.7	.013	.012
59923	648	15365	13.28435	.1508	3.282	2.373	2.306	.004	.005	25.0	.004	.005

U

U

X-TILDE: 1.229 X-TILDE (MONOLINE): 1.383 PI-TILDE: .0070485

TAU SQUARED: .03000 SIGMA SQUARED: 490006.24567

L - CAPPED DOWN

U - CAPPED UP

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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 * 1.010 * .937

CLASS	AYE 2019 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)
15733	8052	54585	.02823	.0364	.934	.984	.931	.037	.034	-8.1	.037	.034
51001	446	6924	.00000	.0274	.942	.993	.940	.450	.420	-6.7	.450	.420
51116	1222545	4176854	1.05542	.4636	1.009	1.063	1.006	.690	.690	0.0	.690	.690
51240	60377	273254	2.24434	.0754	1.065	1.122	1.062	.185	.196	5.9	.185	.196
51241	359839	1683413	.49660	.2670	.843	.888	.840	.260	.218	-16.2	.260	.218
51330	198383	964537	4.59184	.1805	1.623	1.710	1.618	.530	.660	24.5	.530	.660
51370	232485	614066	.00000	.1304	.842	.887	.839	4.570	3.830	-16.2	4.570	3.830
51500	325635	1649620	.99004	.2634	.974	1.026	.971	.119	.116	-2.5	.119	.116
51550	26984	78502	2.17714	.0408	1.018	1.073	1.015	.390	.400	2.6	.390	.400
51551	745	42463	1.43195	.0341	.984	1.037	.981	.910	.890	-2.2	.910	.890
51552	1	18020	.63474	.0295	.959	1.011	.957	.159	.152	-4.4	.159	.152
51600	122517	610400	.47794	.1298	.905	.954	.903	.191	.172	-9.9	.191	.172
51734	15286	52995	5.55247	.0361	1.134	1.195	1.131	.310	.350	12.9	.310	.350
51741	117002	699860	.75425	.1432	.938	.988	.935	.260	.243	-6.5	.260	.243
51777	135885	679568	1.13644	.1402	.992	1.045	.989	.078	.077	-1.3	.078	.077
51808	255554	845621	.79609	.1641	.940	.991	.938	.730	.680	-6.8	.730	.680
51809	36855	143150	.73839	.0526	.956	1.007	.953	.153	.146	-4.6	.153	.146
51877	95110	390908	.27132	.0952	.902	.950	.899	.212	.191	-9.9	.212	.191
51896	679507	3436065	.90198	.4172	.941	.992	.939	.018	.017	-5.6	.018	.017
51900	10643	55855	3.37071	.0366	1.056	1.113	1.053	.095	.100	5.3	.095	.100
51909	83	663	.00000	.0262	.943	.994	.941	.056	.053	-5.4	.056	.053
51926	290188	1234160	1.83254	.2152	1.154	1.216	1.151	.038	.044	15.8	.038	.044
51927	435768	1992520	1.10450	.2989	1.009	1.063	1.006	.131	.132	0.8	.131	.132
51934	30975	617720	.12479	.1309	.858	.904	.856	.125	.107	-14.4	.125	.107
51956	1489747	7355895	.90172	.6003	.928	.978	.926	.221	.205	-7.2	.221	.205
51957	1320055	6661492	1.19457	.5767	1.099	1.158	1.096	.420	.460	9.5	.420	.460
51960	4118	29678	.00000	.0317	.938	.988	.935	.350	.330	-5.7	.350	.330
51982	11270	56054	.00000	.0366	.933	.983	.930	.083	.077	-7.2	.083	.077
51986	37851	256749	.50018	.0726	.935	.985	.932	.103	.096	-6.8	.103	.096
51999	145738	672942	.61095	.1392	.919	.968	.916	.440	.400	-9.1	.440	.400
52075	62549	250262	.24674	.0715	.917	.966	.914	.243	.222	-8.6	.243	.222
52134	2109846	10635756	.94107	.6835	.950	1.001	.947	.630	.600	-4.8	.630	.600
52315	500835	2386459	1.23792	.3357	1.059	1.116	1.056	.260	.270	3.8	.260	.270
52505	59121	184173	3.16342	.0599	1.100	1.159	1.097	.216	.237	9.7	.216	.237
52547	221159	1097930	.64941	.1980	.905	.954	.903	.078	.070	-10.3	.078	.070
52911	941082	4745325	.92428	.4945	.947	.998	.944	.450	.420	-6.7	.450	.420
52967	24175	122326	.42102	.0488	.942	.993	.940	.062	.058	-6.5	.062	.058

X-TILDE: .958 X-TILDE (MONOLINE): .949 PI-TILDE: .0016680
 TAU SQUARED: .05089 SIGMA SQUARED: 260593.58233

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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 * 1.010 * .937

CLASS	AYE 2019 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)
53121	47390	174454	.17124	.0582	.922	.972	.920	.440	.400	-9.1	.440	.400
53333	69975	370139	1.75810	.0917	1.041	1.097	1.038	.239	.248	3.8	.239	.248
53631	441	1721	.00000	.0264	.943	.994	.941	.022	.021	-4.5	.022	.021
53632	326	5578	.00000	.0271	.942	.993	.940	.034	.032	-5.9	.034	.032
53732	1411236	7154969	1.11488	.5937	1.055	1.112	1.052	.450	.470	4.4	.450	.470
53733	5096705	22599302	.81988	.8201	.847	.893	.845	.270	.228	-15.6	.270	.228
54077	769511	3620447	.96800	.4295	.968	1.020	.965	.400	.390	-2.5	.400	.390
55010	72243	365370	.29155	.0909	.907	.956	.905	1.080	.980	-9.3	1.080	.980
55011	370467	1898394	1.48094	.2895	1.117	1.177	1.114	1.570	1.750	11.5	1.570	1.750
55012	52827	247263	.64948	.0709	.946	.997	.944	1.180	1.110	-5.9	1.180	1.110
55013	414966	1849042	1.01755	.2845	.982	1.035	.979	1.140	1.120	-1.8	1.140	1.120
55214	959	4971	.00000	.0270	.942	.993	.940	.088	.083	-5.7	.088	.083
55715	46661	206667	.00000	.0639	.907	.956	.905	.224	.203	-9.4	.224	.203
55716	40073	164037	.64652	.0563	.950	1.001	.947	.520	.490	-5.8	.520	.490
56202	107879	1043086	.48264	.1909	.876	.923	.873	.089	.078	-12.4	.089	.078
56390	478727	1390360	1.50143	.2341	1.093	1.152	1.090	.640	.700	9.4	.640	.700
56391	708736	3848129	.87814	.4439	.928	.978	.926	.320	.300	-6.3	.320	.300
56427	21176	79498	.52927	.0410	.951	1.002	.948	.125	.119	-4.8	.125	.119
56690	3365	15250	.00000	.0290	.940	.991	.938	.350	.330	-5.7	.350	.330
56699	171556	1044473	2.08047	.1911	1.181	1.244	1.177	.057	.067	17.5	.057	.067
56916	819088	3653754	1.16091	.4316	1.052	1.109	1.050	.205	.215	4.9	.205	.215
57090	86632	607742	1.46258	.1294	1.032	1.087	1.029	.660	.680	3.0	.660	.680
57401	11639	43733	.00000	.0343	.935	.985	.932	.096	.089	-7.3	.096	.089
57403	527	3093	.00000	.0267	.943	.994	.941	.035	.033	-5.7	.035	.033
57572	79833	400995	.46914	.0968	.920	.969	.917	.108	.099	-8.3	.108	.099
57600	40798	235251	.88846	.0689	.963	1.015	.961	.034	.033	-2.9	.034	.033
57611	52210	280654	.00000	.0767	.894	.942	.891	.062	.055	-11.3	.062	.055
57690	340010	1377594	.76664	.2325	.922	.972	.920	.490	.450	-8.2	.490	.450
57716	216298	1139474	.65988	.2034	.906	.955	.904	.082	.074	-9.8	.082	.074
57725	974870	4265239	.72039	.4687	.852	.898	.850	.088	.075	-14.8	.088	.075
57726	71927	300610	2.67684	.0801	1.105	1.164	1.102	.021	.023	9.5	.021	.023
57810	4121	20777	.00000	.0300	.939	.989	.936	.107	.100	-6.5	.107	.100
57871	169156	405893	.74131	.0976	.946	.997	.944	.118	.111	-5.9	.118	.111
57998	27911	140214	.16269	.0520	.927	.977	.925	.058	.054	-6.9	.058	.054
57999	6991	32569	1.34634	.0322	.981	1.034	.979	.071	.070	-1.4	.071	.070
58095	1796480	8427893	.86446	.6319	.903	.952	.901	1.990	1.790	-10.1	1.990	1.790
58096	1117352	7424465	1.37825	.6025	1.215	1.280	1.211	1.230	1.490	21.1	1.230	1.490

X-TILDE: .958 X-TILDE (MONOLINE): .949 PI-TILDE: .0016680
 TAU SQUARED: .05089 SIGMA SQUARED: 260593.58233

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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 * 1.010 * .937

CLASS	AYE 2019 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)
58301	107936	360140	.00000	.0901	.881	.928	.878	.088	.077	-12.5	.088	.077
58302	65390	256588	.47500	.0726	.933	.983	.930	.055	.051	-7.3	.055	.051
58397	1543566	5900480	.81021	.5475	.882	.929	.879	.740	.650	-12.2	.740	.650
58575	11569	66716	.00000	.0386	.931	.981	.928	.120	.111	-7.5	.120	.111
58663	1340596	6043546	.29212	.5533	.594	.626	.592	1.280	.950	-25.8	1.280	.950
58802	51642	212588	1.39011	.0649	.996	1.050	.994	.480	.480	0.0	.480	.480
58837	7651	39505	1.81187	.0335	.997	1.051	.995	.162	.161	-0.6	.162	.161
58840	4386	18632	.41064	.0296	.952	1.003	.949	.127	.121	-4.7	.127	.121
58873	242688	1044614	.58838	.1911	.896	.944	.893	.030	.027	-10.0	.030	.027
58904	425	21752	.00000	.0302	.939	.989	.936	.128	.120	-6.2	.128	.120
58922	1177602	5186281	1.16121	.5161	1.068	1.125	1.065	.168	.179	6.5	.168	.179
59005	280655	1231800	.79205	.2149	.931	.981	.928	.096	.089	-7.3	.096	.089
59188	315	1037	.00000	.0263	.943	.994	.941	.055	.052	-5.5	.055	.052
59189	4388	16891	.00000	.0293	.940	.991	.938	.300	.280	-6.7	.300	.280
59223	153229	712658	2.36372	1.1451	1.171	1.234	1.168	.088	.103	17.0	.088	.103
59378	0	18	.00000	.0261	.943	.994	.941	.150	.141	-6.0	.150	.141
59481	75084	415448	1.04688	.0992	.976	1.028	.973	.099	.096	-3.0	.099	.096
59701	1412	55279	5.39244	.0365	1.130	1.191	1.127	.290	.330	13.8	.290	.330
59713	301763	1548246	1.38248	.2522	1.073	1.131	1.070	.310	.330	6.5	.310	.330
59722	62318	297369	.06894	.0795	.897	.945	.894	.031	.028	-9.7	.031	.028
59723	16196	91896	.00000	.0433	.927	.977	.925	.037	.034	-8.1	.037	.034
59726	86627	635036	1.04701	.1335	.979	1.032	.977	.024	.023	-4.2	.024	.023
59738	14791	80067	.00000	.0411	.929	.979	.926	.064	.059	-7.8	.064	.059
59773	0	0	.00000	.0000	.969	1.000	.946	.028	.026	-7.1	.028	.026
59774	728	2250	.00000	.0265	.943	.994	.941	.150	.141	-6.0	.150	.141
59775	0	0	.00000	.0000	.000	.000	.000	.188	.178	-5.3	.188	.178
59798	919213	3825907	.85201	.4426	.917	.966	.914	.500	.460	-8.0	.500	.460
59886	16350	102900	.00000	.0453	.925	.975	.923	.108	.100	-7.4	.108	.100
59889	13663	85035	4.93982	.0420	1.135	1.196	1.132	.165	.187	13.3	.165	.187
59914	833217	4058659	1.06610	.4567	1.013	1.067	1.010	.680	.690	1.5	.680	.690
59915	167755	772943	.44403	.1538	.888	.936	.886	.750	.660	-12.0	.750	.660
59917	109027	505380	2.45413	.1136	1.137	1.198	1.134	.205	.232	13.2	.205	.232
59931	211163	843839	.40513	.1639	.876	.923	.873	.550	.480	-12.7	.550	.480
59932	4051	174717	.00000	.0582	.912	.961	.909	.880	.800	-9.1	.880	.800
59947	14807	89363	.00000	.0428	.927	.977	.925	.320	.300	-6.3	.320	.300
59955	20556	108932	.01373	.0464	.924	.974	.922	.143	.132	-7.7	.143	.132
59970	19383	102003	.00000	.0451	.925	.975	.923	.183	.169	-7.7	.183	.169

X-TILDE: .958 X-TILDE (MONOLINE): .949 PI-TILDE: .0016680
 TAU SQUARED: .05089 SIGMA SQUARED: 260593.58233

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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 * 1.010 * .937

CLASS	AYE 2019 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	649105	2901760	.63112	.3784	.841	.886	.838	.227	.190	-16.3	.227	.190
59984	32409	132588	.00000	.0507	.919	.968	.916	.053	.049	-7.5	.053	.049
59988	1129	8238	.00000	.0277	.942	.993	.940	.059	.055	-6.8	.059	.055
59989	8	29	.00000	.0261	.943	.994	.941	.044	.041	-6.8	.044	.041

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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 * 1.001 * .937

CLASS	AYE 2019 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)	
49239	68656	407622	.17301	.1980	.735	.819	.768	.600	.460	-23.3	.600	.460	
50010	49671	218067	.02500	.1539	.744	.829	.778	.490	.380	-22.4	.490	.380	
51205	2143	7130	.00000	.0988	.788	.878	.824	.071	.059	-16.9	.071	.059	
51206	1587	26418	.00000	.1041	.783	.873	.819	.390	.320	-17.9	.390	.320	
51220	122840	460220	.50185	.2094	.796	.887	.832	2.280	1.900	-16.7	2.280	1.900	
51221	570114	2736188	1.01641	.5110	.947	1.056	.990	1.780	1.760	-1.1	1.780	1.760	
51222	126927	1080087	1.81917	.3231	1.180	1.315	1.233	3.670	4.530	23.4	3.670	4.530	
51224	1353265	6680482	1.02576	.7056	.981	1.094	1.026	1.450	1.490	2.8	1.450	1.490	
51230	0	0	.00000	.0000	.000	.000	.000	.790	.740	-6.3	.790	.740	
51252	1340785	7000162	.44814	.7148	.570	.635	.596	.100	.074	-26.0	.100	.074	L
51254	19299	32713	.00000	.1058	.782	.872	.818	.039	.032	-17.9	.039	.032	
51333	102841	474485	.94083	.2125	.888	.990	.929	.340	.320	-5.9	.340	.320	
51958	268697	1429238	.83362	.3738	.859	.958	.899	.410	.370	-9.8	.410	.370	
51970	913979	4040737	.55760	.5987	.685	.764	.717	.238	.177	-25.6	.238	.177	L
52433	74549	317597	.17622	.1776	.750	.836	.784	1.020	.800	-21.6	1.020	.800	
52581	0	661207	.05274	.2502	.669	.746	.700	2.950	2.190	-25.8	2.950	2.190	L
52744	43103	53036	.00000	.1114	.777	.866	.812	.081	.066	-18.5	.081	.066	
53077	144444	1026293	1.31064	.3146	1.012	1.128	1.058	.207	.219	5.8	.207	.219	
55597	0	0	.00000	.0000	.000	.000	.000	1.790	1.680	-6.1	1.790	1.680	
55918	153	980	.00000	.0970	.789	.880	.825	2.740	2.260	-17.5	2.740	2.260	
55919	0	0	.00000	.0000	.000	.000	.000	3.650	3.420	-6.3	3.650	3.420	
56912	818420	3814709	.91351	.5859	.897	1.000	.938	.090	.084	-6.7	.090	.084	
57146	420618	1867239	1.17156	.4276	1.001	1.116	1.047	.720	.750	4.2	.720	.750	
58737	38392	239144	.64736	.1590	.838	.934	.876	.630	.550	-12.7	.630	.550	
59601	217658	650093	.97752	.2481	.900	1.003	.941	2.370	2.230	-5.9	2.370	2.230	
59660	521744	2476677	.83849	.4888	.857	.955	.896	1.180	1.060	-10.2	1.180	1.060	
59724	36166	145375	.00566	.1357	.756	.843	.791	.019	.015	-21.1	.019	.015	
59725	638057	2935214	1.61422	.5268	1.264	1.409	1.322	.116	.145	25.0	.116	.145	U
59750	7518	37992	.00000	.1073	.780	.870	.816	.222	.181	-18.5	.222	.181	
59781	396583	2103615	1.79404	.4530	1.291	1.439	1.350	.068	.085	25.0	.068	.085	U
59782	369230	1665440	1.57975	.4040	1.159	1.292	1.212	.460	.560	21.7	.460	.560	

X-TILDE: .943 X-TILDE (MONOLINE): .897 PI-TILDE: .0059085

TAU SQUARED: .06287 SIGMA SQUARED: 203082.09384

L - CAPPED DOWN

U - CAPPED UP

N - NOT SUBJECT TO CAPPING

E - SUBJECT TO CAPPING EXCEPTION

SECTION G
SUPPORTING MATERIAL -- LOCAL PRODUCTS/COMPLETED OPERATIONS
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MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS
CALCULATION OF AGGREGATE LOSS COSTS
AT CURRENT LEVEL

TYPE OF POLICY	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL	EXPOSURE DEVELOPMENT FACTOR+	EXPOSURE TREND#	AVERAGE IPMF*	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL
MONOLINE	12/31/2017	\$101,536,480	1.000	1.076		\$109,253,253
	12/31/2018	107,898,874	1.000	1.042		112,430,627
	12/31/2019	114,506,562	1.017	1.017		118,432,878
MULTILINE	12/31/2017	\$218,725,876	1.000	1.077	0.993	\$233,918,794
	12/31/2018	226,242,467	1.000	1.042	0.996	234,801,672
	12/31/2019	226,903,981	1.017	1.018	0.998	234,445,223
TOTAL	12/31/2017					\$343,172,047
	12/31/2018					347,232,299
	12/31/2019					352,878,101

+ The derivation of the exposure development factors are shown in Section G - Calculation of 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 7/1/2021 by an exponential projection of the average annual exposure trend factor. The derivation of this exposure trend factor is shown in Section G - Average Annual Exposure Trends.

* The implicit package modification factors applied to the data for individual programs are shown in Section G - Implicit Package Modification Factors.

NOTE: The factors shown above are weighted averages over all states.

MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS
OCCURRENCE
FULL COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X BASIC LIMIT DEVELOPMENT FACTOR#	X UNALLOCATED LOSS ADJ. FACTOR	X SEVERITY TREND	X FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2017	\$21,540,297	1.009	1.080	1.276	0.975		\$29,191,529
		12/31/2018	17,520,205	1.387	1.080	1.216	0.980		31,268,226
		12/31/2019	13,512,262	2.592	1.080	1.158	0.985		43,139,519
BI	ALAE	12/31/2017	\$19,026,077		1.080	1.276	0.975		\$25,563,970
		12/31/2018	20,610,527		1.080	1.216	0.980		26,526,045
		12/31/2019	33,352,552		1.080	1.158	0.985		41,086,355
PD	B/L INDEMNITY	12/31/2017	\$71,047,950	1.392	1.080	1.246	0.975		\$129,715,338
		12/31/2018	70,305,733	1.533	1.080	1.193	0.980		136,073,036
		12/31/2019	60,803,344	1.876	1.080	1.141	0.985		138,488,962
PD	ALAE	12/31/2017	\$76,029,976		1.080	1.246	0.975		\$99,754,218
		12/31/2018	84,993,896		1.080	1.193	0.980		107,319,345
		12/31/2019	88,506,878		1.080	1.141	0.985		107,429,277
TOTAL									
	FULL COVERAGE	12/31/2017							\$284,225,054
		12/31/2018							301,186,652
		12/31/2019							330,144,113

* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Section B.
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 BAISC LIMIT LOSSES AND ALAE*	X	BASIC LIMIT DEVELOPMENT FACTOR#	X	UNALLOCATED LOSS ADJ. FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2017	\$3,084,912		1.107		1.080		1.276		0.975		\$4,587,103
		12/31/2018	2,282,192		1.325		1.080		1.216		0.980		3,890,995
		12/31/2019	1,579,891		2.329		1.080		1.158		0.985		4,532,712
BI	ALAE	12/31/2017	\$3,302,990				1.080		1.276		0.975		\$4,437,990
		12/31/2018	2,532,829				1.080		1.216		0.980		3,259,787
		12/31/2019	3,939,428				1.080		1.158		0.985		4,852,904
PD	B/L INDEMNITY	12/31/2017	\$18,730,622		1.417		1.080		1.246		0.975		\$34,833,692
		12/31/2018	16,976,944		1.570		1.080		1.193		0.980		33,658,113
		12/31/2019	12,586,393		1.903		1.080		1.141		0.985		29,067,935
PD	ALAE	12/31/2017	\$21,260,226				1.080		1.246		0.975		\$27,894,224
		12/31/2018	20,504,058				1.080		1.193		0.980		25,889,884
		12/31/2019	20,264,591				1.080		1.141		0.985		24,597,075
TOTAL		12/31/2017											\$71,753,010
DED COVERAGE		12/31/2018											66,698,778
		12/31/2019											63,050,626
TOTAL		12/31/2017											\$355,978,064
OCCURRENCE		12/31/2018											367,885,430
		12/31/2019											393,194,740

* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Section B.
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

Type of Policy (B) -----	Description -----	Implicit Package Modification Factors -----
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 Products/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 G - 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) <u>Credibility (c)</u>	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.016	1.034	0.9198	1.033	4,000,000
27 to 39 Months	0.999	0.999	0.5921	0.999	31,000,000
Accident Year Ending	Exposure Development From				Factor
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		
12/31/2017			1.000		1.000
12/31/2018		0.999	1.000		0.999
12/31/2019	1.033	0.999	1.000		1.032

(a) See Section G - Multistate Premium Development.

(b) See Section G - 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
LOCAL PRODUCTS/COMPLETED OPERATIONS

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

Accident Year Ending	<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>
12/31/2012	8,743,659	8,822,859	8,847,115	8,600,084	8,599,795	8,599,795	8,599,795	8,599,373
12/31/2013	9,976,654	10,167,851	9,811,628	9,811,362	9,811,330	9,811,330	9,811,312	
12/31/2014	11,717,438	11,766,344	11,731,709	11,727,801	11,727,339	11,727,339		
12/31/2015	13,339,961	13,761,840	13,775,169	13,770,754	13,771,566			
12/31/2016	14,712,899	15,326,150	15,341,906	15,340,003				
12/31/2017	15,299,715	15,919,458	15,888,391					
12/31/2018	15,837,925	16,316,679						
12/31/2019	15,825,343							

LINK RATIOS

Accident Year 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>
12/31/2012	1.009	1.003	0.972	1.000	1.000	1.000	1.000
12/31/2013	1.019	0.965	1.000	1.000	1.000	1.000	
12/31/2014	1.004	0.997	1.000	1.000	1.000		
12/31/2015	1.032	1.001	1.000	1.000			
12/31/2016	1.042	1.001	1.000				
12/31/2017	1.041	0.998					
12/31/2018	1.030						
12/31/2019							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.034	0.999

MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS

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

Accident Year Ending	<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>
12/31/2012	512,973,438	510,176,861	510,085,286	505,351,937	505,378,832	505,376,928	505,358,312	505,353,669
12/31/2013	565,202,942	576,698,213	569,269,170	569,205,516	569,229,287	569,199,160	569,212,276	
12/31/2014	627,240,739	633,359,295	632,855,651	632,959,406	632,944,606	632,934,037		
12/31/2015	656,789,952	670,188,579	669,821,741	669,866,012	669,818,503			
12/31/2016	682,867,467	696,328,429	696,405,233	696,865,233				
12/31/2017	700,151,683	710,319,158	710,184,829					
12/31/2018	716,823,891	725,148,518						
12/31/2019	726,225,982							

LINK RATIOS

Accident Year 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>
12/31/2012	0.995	1.000	0.991	1.000	1.000	1.000	1.000
12/31/2013	1.020	0.987	1.000	1.000	1.000	1.000	
12/31/2014	1.010	0.999	1.000	1.000	1.000		
12/31/2015	1.020	0.999	1.000	1.000			
12/31/2016	1.020	1.000	1.001				
12/31/2017	1.015	1.000					
12/31/2018	1.012						

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.016	0.999

LOCAL PRODUCTS/COMPLETED OPERATIONS LOSS DEVELOPMENT DATA
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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 (Ki)
15 to 27 Months	1.928	1.662	0.4150	1.818	350,000
27 to 39 Months	1.447	0.670	0.4463	1.100	390,000
39 to 51 Months	1.064	1.023	0.4846	1.044	420,000
51 to 63 Months	1.000	1.510	0.4374	1.223	460,000
63 to 75 Months	0.979	1.095	0.5314	1.041	510,000
75 to 87 Months	0.986	1.000	0.3818	0.991	550,000
87 to 99 Months	0.985	0.925	0.3609	0.963	610,000
99 to 111 Months	0.996	1.000	0.4078	0.998	660,000
111 to 123 Months	0.990	1.000	0.4646	0.995	730,000
123 to 135 Months	0.996	1.000	0.3753	0.998	800,000
135 to 147 Months	0.999	1.000	0.2556	0.999	880,000
147 to 159 Months	0.999	1.000	0.3486	0.999	970,000
159 to 171 Months	0.999	1.000	0.3550	0.999	1,100,000
171 to 183 Months	1.000	1.000	0.3710	1.000	1,200,000
183 to 195 Months	1.000	1.000	0.2547	1.000	1,300,000
195 to 207 Months	0.999	1.000	0.2239	0.999	1,400,000
207 to 219 Months	1.000	1.000	0.1530	1.000	1,600,000
219 to 231 Months	1.000	1.000	0.0760	1.000	1,700,000
231 to 243 Months	1.000	1.000	0.0316	1.000	1,900,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	Loss Development From				75:63	87:75	99:87	111:99	123:111	135:123	147:135
		39:27	51:39	63:51								
12/31/2017			1.044	1.223	1.041	0.991	0.963	0.998	0.995	0.998	0.999	
12/31/2018		1.100	1.044	1.223	1.041	0.991	0.963	0.998	0.995	0.998	0.999	
12/31/2019	1.818	1.100	1.044	1.223	1.041	0.991	0.963	0.998	0.995	0.998	0.999	
		159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
12/31/2017	0.999	0.999	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.000		1.252
12/31/2018	0.999	0.999	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.000		1.377
12/31/2019	0.999	0.999	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.000		2.504

(A) See Section G - Multistate Loss Development.

(B) See Section G - 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	0.0659
27 to 39 Months	0.1252
39 to 51 Months	0.1103
51 to 63 Months	0.0804
63 to 75 Months	0.0482
75 to 87 Months	0.0212
87 to 99 Months	0.0053
99 to 111 Months	0.0111
111 to 123 Months	0.0046
123 to 135 Months	0.0008
135 to 147 Months	0.0067
147 to 159 Months	0.0041
159 to 171 Months	0.0032
171 to Ultimate	A multistate link ratio factor of 1.014 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>
	0.487	0.421	0.296	0.186	0.105	0.057	0.036
<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	0.019	0.015	0.014	0.007	0.003	0.000

A.Y.E	Reported ALAE as of 3/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2017	147,211	453,810	0.296	134,328	281,539	1.014	285,474
12/31/2018	15,260	929,284	0.421	391,228	406,488	1.014	412,173
12/31/2019	0	56,240	0.487	27,389	27,389	1.014	27,771

(A) See Section G - 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	1.232	1.354	0.7309	1.321	1,000,000
27 to 39 Months	1.117	1.088	0.7442	1.095	1,100,000
39 to 51 Months	1.060	1.075	0.7766	1.072	1,100,000
51 to 63 Months	1.041	1.015	0.7601	1.021	1,200,000
63 to 75 Months	1.040	0.968	0.7244	0.988	1,300,000
75 to 87 Months	1.030	0.977	0.7192	0.992	1,400,000
87 to 99 Months	1.023	0.990	0.7290	0.999	1,500,000
99 to 111 Months	1.041	1.007	0.7449	1.016	1,600,000
111 to 123 Months	1.017	0.996	0.7085	1.002	1,700,000
123 to 135 Months	1.020	1.002	0.6793	1.008	1,900,000
135 to 147 Months	1.011	0.994	0.6534	1.000	2,000,000
147 to 159 Months	1.010	1.000	0.5729	1.004	2,200,000
159 to 171 Months	1.006	1.000	0.5585	1.003	2,300,000
171 to 183 Months	1.008	1.000	0.5035	1.004	2,500,000
183 to 195 Months	1.003	1.000	0.5068	1.001	2,700,000
195 to 207 Months	1.002	1.000	0.4477	1.001	2,900,000
207 to 219 Months	1.003	1.000	0.4457	1.002	3,100,000
219 to 231 Months	1.002	1.000	0.3511	1.001	3,300,000
231 to 243 Months	1.001	1.000	0.2226	1.001	3,500,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	Loss Development From				75:63	87:75	99:87	111:99	123:111	135:123	147:135
		39:27	51:39	63:51								
12/31/2017			1.072	1.021	0.988	0.992	0.999	1.016	1.002	1.008	1.000	
12/31/2018		1.095	1.072	1.021	0.988	0.992	0.999	1.016	1.002	1.008	1.000	
12/31/2019	1.321	1.095	1.072	1.021	0.988	0.992	0.999	1.016	1.002	1.008	1.000	

	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor
12/31/2017	1.004	1.003	1.004	1.001	1.001	1.002	1.001	1.001	1.001	1.120
12/31/2018	1.004	1.003	1.004	1.001	1.001	1.002	1.001	1.001	1.001	1.226
12/31/2019	1.004	1.003	1.004	1.001	1.001	1.002	1.001	1.001	1.001	1.620

(A) See Section G - Multistate Loss Development.

(B) See Section G - 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	0.0663
27 to 39 Months	0.0797
39 to 51 Months	0.0832
51 to 63 Months	0.0578
63 to 75 Months	0.0470
75 to 87 Months	0.0315
87 to 99 Months	0.0251
99 to 111 Months	0.0267
111 to 123 Months	0.0235
123 to 135 Months	0.0256
135 to 147 Months	0.0150
147 to 159 Months	0.0134
159 to 171 Months	0.0082
171 to Ultimate	A multistate link ratio factor of 1.034 has been used.

Cumulative Incremental Factors							
Months-to-Ultimate	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.503	0.437	0.357	0.274	0.216	0.169	0.137
Months-to-Ultimate	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.112	0.086	0.062	0.037	0.022	0.008	0.000

A.Y.E	Reported ALAE as of 3/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2017	502,659	2,184,864	0.357	779,996	1,282,655	1.034	1,326,255
12/31/2018	365,629	3,014,216	0.437	1,317,212	1,682,841	1.034	1,740,047
12/31/2019	149,572	2,173,136	0.503	1,093,088	1,242,660	1.034	1,284,901

(A) See Section G - 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:											
<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>
12/31/2000	60,217	78,217	90,844	85,744	61,968	61,968	61,968	65,418	61,968	61,968	61,968
12/31/2001	18,108	247,858	242,358	294,608	219,808	219,808	204,808	204,808	97,808	77,808	77,808
12/31/2002	15,268	186,268	98,271	108,618	158,618	158,618	158,618	149,268	149,268	149,268	149,268
12/31/2003	135,894	198,625	177,298	179,298	176,798	176,798	176,798	176,798	176,798	176,798	176,798
12/31/2004	230,158	178,387	157,387	116,387	118,262	118,262	118,262	118,262	118,262	118,262	118,262
12/31/2005	295,862	143,812	342,862	362,862	417,862	412,862	412,862	412,862	412,862	412,862	412,862
12/31/2006	31,650	65,288	74,188	74,188	74,188	74,188	75,188	74,188	74,188	74,188	74,188
12/31/2007	130,549	117,000	47,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000
12/31/2008	150,950	180,139	215,990	313,440	295,940	295,940	295,940	220,940	195,940	195,940	195,940
12/31/2009	195,011	242,642	314,334	257,748	242,748	305,991	326,557	252,748	252,748	252,748	252,748
12/31/2010	116,737	97,838	82,838	134,838	184,838	184,838	184,838	184,838	184,838	184,838	
12/31/2011	128,472	224,476	197,726	32,726	16,970	31,987	16,970	16,970	16,970		
12/31/2012	111,740	22,783	81,134	58,594	151,149	142,733	142,733	142,733			
12/31/2013	34,419	144,919	59,919	64,919	164,919	164,919	164,919				
12/31/2014	291,067	400,138	313,569	264,676	262,183	337,183					
12/31/2015	47,000	81,659	24,500	28,000	28,000						
12/31/2016	6,994	69,828	56,784	132,784							
12/31/2017	172,797	162,850	284,342								
12/31/2018	68,536	128,361									
12/31/2019	16,000										

<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>
12/31/2000	61,968	61,968	61,968	61,968	61,968	61,968	61,968	61,968	61,968
12/31/2001	77,808	77,808	77,808	77,808	77,808	77,808	77,808	77,808	
12/31/2002	149,268	149,268	149,268	149,268	149,268	149,268	149,268		
12/31/2003	176,798	176,798	176,798	176,798	176,798	176,798			
12/31/2004	118,262	118,262	118,262	118,262	118,262				
12/31/2005	412,862	412,862	412,862	412,862					
12/31/2006	74,188	74,188	74,188						
12/31/2007	32,000	32,000							
12/31/2008	195,940								

COMPLETED OPERATIONS (Subline Code 336)
 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
12/31/2000	1.299	1.161	0.944	0.723	1.000	1.000	1.056	0.947	1.000	1.000	1.000
12/31/2001	13.688	0.978	1.216	0.746	1.000	0.932	1.000	0.478	0.796	1.000	1.000
12/31/2002	12.200	0.528	1.105	1.460	1.000	1.000	0.941	1.000	1.000	1.000	1.000
12/31/2003	1.462	0.893	1.011	0.986	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2004	0.775	0.882	0.739	1.016	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2005	0.486	2.384	1.058	1.152	0.988	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2006	2.063	1.136	1.000	1.000	1.000	1.013	0.987	1.000	1.000	1.000	1.000
12/31/2007	0.896	0.402	0.681	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2008	1.193	1.199	1.451	0.944	1.000	1.000	0.747	0.887	1.000	1.000	1.000
12/31/2009	1.244	1.295	0.820	0.942	1.261	1.067	0.774	1.000	1.000	1.000	
12/31/2010	0.838	0.847	1.628	1.371	1.000	1.000	1.000	1.000	1.000		
12/31/2011	1.747	0.881	0.166	0.519	1.885	0.531	1.000	1.000			
12/31/2012	0.204	3.561	0.722	2.580	0.944	1.000	1.000				
12/31/2013	4.210	0.413	1.083	2.540	1.000	1.000					
12/31/2014	1.375	0.784	0.844	0.991	1.286						
12/31/2015	1.737	0.300	1.143	1.000							
12/31/2016	9.984	0.813	2.338								
12/31/2017	0.942	1.746									
12/31/2018	1.873										

3 Yr Mean	4.266	0.953	1.442	1.510	1.077	0.844	1.000	1.000	1.000	1.000	1.000
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Best 3/5	1.662	0.670	1.023	1.510	1.095	1.000	0.925	1.000	1.000	1.000	1.000
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A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
12/31/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *
12/31/2003	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *
12/31/2004	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2005	1.000	1.000	1.000					
12/31/2006	1.000	1.000						
12/31/2007	1.000							

3 Yr Mean	1.000	1.000	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @
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Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
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	Development From										
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
12/31/2015					1.095	1.000	0.925	1.000	1.000	1.000	1.000
12/31/2016				1.510	1.095	1.000	0.925	1.000	1.000	1.000	1.000
12/31/2017			1.023	1.510	1.095	1.000	0.925	1.000	1.000	1.000	1.000
12/31/2018		0.670	1.023	1.510	1.095	1.000	0.925	1.000	1.000	1.000	1.000
12/31/2019	1.662	0.670	1.023	1.510	1.095	1.000	0.925	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.013
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.529
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.565
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.048
12/31/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.742

* Calculated Using Modified Bondy Method
 @ Three year mean Excludes Modified Bondy ratios

COMPLETED OPERATIONS (Subline Code 336)
FULL COVERAGE
TENNESSEE
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

A.Y.E	Allocated Expenses as of:										
	<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>
12/31/2000	7,776	11,535	21,328	20,431	24,560	24,560	24,560	26,060	26,060	26,060	26,060
12/31/2001	3,097	133,364	168,956	220,604	227,698	173,526	188,602	189,998	160,683	163,388	163,901
12/31/2002	17	48,490	55,166	64,391	107,352	111,509	114,336	133,710	133,710	133,710	133,710
12/31/2003	12,920	65,766	153,106	182,156	164,689	164,689	164,689	164,689	164,689	164,689	164,689
12/31/2004	14,425	55,904	99,595	259,265	270,747	279,210	279,210	279,210	279,210	279,210	279,210
12/31/2005	235,282	33,609	133,221	93,836	101,365	141,668	141,792	141,792	141,792	141,792	141,792
12/31/2006	318	20,273	53,210	68,134	70,383	85,784	112,352	112,352	112,352	112,352	112,352
12/31/2007	10,675	17,871	26,772	26,717	40,413	40,413	40,413	40,413	40,413	40,413	40,413
12/31/2008	34,328	82,981	129,065	178,145	309,443	598,193	629,239	647,817	648,570	648,570	648,570
12/31/2009	8,553	49,785	93,978	129,675	150,849	156,907	175,341	175,341	175,341	175,341	176,161
12/31/2010	0	28,946	112,865	178,082	218,465	219,594	219,594	219,594	219,594	219,594	
12/31/2011	3,548	7,710	33,655	38,022	39,504	64,504	39,504	39,504	39,504		
12/31/2012	108	14,195	41,039	65,298	124,012	145,879	182,862	182,862			
12/31/2013	4,246	14,354	16,039	22,934	68,936	68,938	68,939				
12/31/2014	16,145	78,086	125,531	185,846	212,734	236,410					
12/31/2015	0	30,688	29,908	23,821	43,624						
12/31/2016	0	42,908	39,747	41,244							
12/31/2017	8,540	52,263	138,933								
12/31/2018	405	10,694									
12/31/2019	0										

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>
12/31/2000	26,060	26,060	26,060	26,060	26,060	26,060	26,060	26,060	26,060
12/31/2001	163,901	163,901	163,901	163,901	163,901	163,901	163,901	163,901	
12/31/2002	133,710	133,710	133,710	133,710	133,710	133,710	133,710		
12/31/2003	164,689	164,689	164,689	164,689	164,689	164,689			
12/31/2004	279,210	279,210	279,210	279,210	279,210				
12/31/2005	141,792	141,792	141,792	141,792					
12/31/2006	112,352	112,352	112,352						
12/31/2007	40,413	40,413							
12/31/2008	648,570								

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:											
<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>
12/31/2000	503,726	628,503	719,171	951,172	945,172	967,072	987,072	1,002,072	1,002,072	1,002,072	1,002,072
12/31/2001	392,850	603,175	698,828	842,043	795,985	790,985	790,985	890,985	890,985	783,485	790,696
12/31/2002	417,704	691,541	640,445	943,016	883,941	777,632	713,352	807,495	707,245	707,245	707,245
12/31/2003	633,897	816,256	880,698	793,929	794,178	834,758	922,051	909,226	979,226	906,025	849,936
12/31/2004	844,783	1,103,922	1,010,568	1,078,567	992,010	1,109,506	1,168,456	1,246,737	1,239,237	1,244,237	1,234,237
12/31/2005	481,098	383,869	500,714	442,142	470,991	473,212	526,801	526,349	501,349	446,379	446,379
12/31/2006	539,487	1,033,609	1,087,808	1,370,027	1,450,079	1,463,229	1,252,175	1,240,163	1,244,162	1,244,162	1,229,162
12/31/2007	730,377	871,885	1,025,770	1,195,154	1,285,054	1,230,373	1,197,707	1,195,356	1,305,357	1,292,056	1,357,056
12/31/2008	1,065,717	1,641,220	1,634,778	1,705,712	1,264,809	1,246,066	1,209,196	1,177,900	1,177,402	1,176,593	1,184,278
12/31/2009	1,241,443	1,590,242	2,022,647	1,736,122	1,598,241	1,602,379	1,630,141	1,547,762	1,580,600	1,555,598	1,555,598
12/31/2010	1,361,455	1,559,514	1,440,216	1,434,081	1,419,869	1,389,056	1,379,056	1,373,379	1,373,379	1,373,379	
12/31/2011	1,399,254	1,478,410	1,602,308	1,749,629	1,736,225	1,764,835	1,750,722	1,750,722	1,750,722		
12/31/2012	914,769	953,626	834,161	845,311	940,311	961,811	904,311	964,311			
12/31/2013	796,164	857,128	906,979	980,987	946,196	859,915	812,789				
12/31/2014	1,102,479	1,362,259	1,351,410	1,526,521	1,529,957	1,341,799					
12/31/2015	658,861	887,688	1,078,332	1,293,672	1,359,206						
12/31/2016	821,121	1,429,616	1,393,513	1,404,687							
12/31/2017	767,320	883,265	1,411,876								
12/31/2018	1,128,284	1,669,786									
12/31/2019	925,502										
<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>		
12/31/2000	1,002,072	1,002,072	1,002,072	1,002,072	1,002,072	1,002,072	1,002,072	1,002,072	1,002,072		
12/31/2001	783,485	783,485	783,485	783,485	783,485	783,485	783,485	783,485			
12/31/2002	707,245	707,245	707,245	707,245	707,245	707,245	707,245				
12/31/2003	849,936	849,936	854,936	854,936	859,936	845,592					
12/31/2004	1,234,237	1,234,237	1,234,237	1,212,737	1,212,737						
12/31/2005	446,383	446,379	446,379	446,379							
12/31/2006	1,229,162	1,229,162	1,229,162								
12/31/2007	1,275,846	1,285,846									
12/31/2008	1,163,337										

COMPLETED OPERATIONS (Subline Code 336)

FULL COVERAGE

TENNESSEE

PROPERTY DAMAGE - OCCURENCE

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
12/31/2000	1.248	1.144	1.323	0.994	1.023	1.021	1.015	1.000	1.000	1.000	1.000
12/31/2001	1.535	1.159	1.205	0.945	0.994	1.000	1.126	1.000	0.879	1.009	0.991
12/31/2002	1.656	0.926	1.472	0.937	0.880	0.917	1.132	0.876	1.000	1.000	1.000
12/31/2003	1.288	1.079	0.901	1.000	1.051	1.105	0.986	1.077	0.925	0.938	1.000
12/31/2004	1.307	0.915	1.067	0.920	1.118	1.053	1.067	0.994	1.004	0.992	1.000
12/31/2005	0.798	1.304	0.883	1.065	1.005	1.113	0.999	0.953	0.890	1.000	1.000
12/31/2006	1.916	1.052	1.259	1.058	1.009	0.856	0.990	1.003	1.000	0.988	1.000
12/31/2007	1.194	1.176	1.165	1.075	0.957	0.973	0.998	1.092	0.990	1.050	0.940
12/31/2008	1.540	0.996	1.043	0.742	0.985	0.970	0.974	1.000	0.999	1.007	0.982
12/31/2009	1.281	1.272	0.858	0.921	1.003	1.017	0.949	1.021	0.984	1.000	
12/31/2010	1.145	0.924	0.996	0.990	0.978	0.993	0.996	1.000	1.000		
12/31/2011	1.057	1.084	1.092	0.992	1.016	0.992	1.000	1.000			
12/31/2012	1.042	0.875	1.013	1.112	1.023	0.940	1.066				
12/31/2013	1.077	1.058	1.082	0.965	0.909	0.945					
12/31/2014	1.236	0.992	1.130	1.002	0.877						
12/31/2015	1.347	1.215	1.200	1.051							
12/31/2016	1.741	0.975	1.008								
12/31/2017	1.151	1.598									
12/31/2018	1.480										

3 Yr Mean 1.457 1.263 1.113 1.006 0.936 0.959 1.021 1.007 0.994 1.019 0.974

Best 3/5 1.354 1.088 1.075 1.015 0.968 0.977 0.990 1.007 0.996 1.002 0.994

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
12/31/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *
12/31/2003	1.000	1.006	1.000	1.006	0.983	1.000 *	1.000 *	1.000 *
12/31/2004	1.000	1.000	0.983	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2005	1.000	1.000	1.000					
12/31/2006	1.000	1.000						
12/31/2007	1.008							

3 Yr Mean 1.003 1.000 0.994 1.002 0.994 @ 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 *

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
12/31/2015					0.968	0.977	0.990	1.007	0.996	1.002	0.994
12/31/2016				1.015	0.968	0.977	0.990	1.007	0.996	1.002	0.994
12/31/2017			1.075	1.015	0.968	0.977	0.990	1.007	0.996	1.002	0.994
12/31/2018		1.088	1.075	1.015	0.968	0.977	0.990	1.007	0.996	1.002	0.994
12/31/2019	1.354	1.088	1.075	1.015	0.968	0.977	0.990	1.007	0.996	1.002	0.994

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.935
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.949
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.021
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.110
12/31/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.503

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

COMPLETED OPERATIONS (Subline Code 336)
FULL COVERAGE
TENNESSEE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

A.Y.E	Allocated Expenses as of:										
	<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>
12/31/2000	64,790	54,887	167,335	267,525	303,005	337,807	333,182	326,508	327,936	327,936	327,936
12/31/2001	40,839	145,219	203,556	243,267	248,150	249,805	256,136	465,309	482,837	310,370	310,435
12/31/2002	92,306	162,891	319,478	548,853	716,527	748,444	708,528	789,599	757,888	757,888	757,888
12/31/2003	134,732	251,189	389,680	464,178	643,931	730,717	725,197	713,625	749,498	762,434	761,296
12/31/2004	153,214	206,506	217,820	253,728	290,752	395,760	543,878	623,073	626,078	651,079	632,823
12/31/2005	64,305	54,606	124,697	167,595	199,603	199,971	215,959	218,071	216,882	216,882	216,882
12/31/2006	186,696	292,020	323,971	454,143	742,640	819,289	874,965	899,808	893,952	922,123	937,374
12/31/2007	97,425	186,567	319,613	443,140	871,170	937,840	1,025,712	1,048,161	1,172,837	1,224,157	1,218,044
12/31/2008	166,591	547,668	755,506	1,003,257	1,331,932	1,496,204	1,519,824	1,577,824	1,603,326	1,579,240	1,607,983
12/31/2009	211,806	459,251	770,208	846,106	968,389	1,129,765	1,260,404	1,610,476	1,619,472	1,644,779	1,712,887
12/31/2010	152,912	316,269	453,383	472,340	606,985	615,688	666,144	687,209	686,498	686,498	
12/31/2011	154,033	357,357	450,282	604,125	769,796	818,277	802,665	802,665	802,665		
12/31/2012	123,668	364,580	389,729	419,782	472,455	518,988	503,144	585,029			
12/31/2013	483,886	511,058	484,529	1,020,085	1,166,692	1,261,247	1,320,411				
12/31/2014	85,022	425,924	791,722	1,049,891	1,159,985	1,107,652					
12/31/2015	76,505	254,207	325,435	463,334	566,626						
12/31/2016	144,844	418,968	528,457	801,114							
12/31/2017	105,746	264,469	494,259								
12/31/2018	95,528	333,678									
12/31/2019	133,015										

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>
12/31/2000	327,936	327,936	327,936	327,936	327,936	327,936	327,936	327,936	327,936
12/31/2001	310,435	310,435	310,435	310,435	310,435	310,435	310,435	310,435	
12/31/2002	757,888	757,888	757,888	757,888	757,888	757,888	757,888		
12/31/2003	764,288	765,621	817,401	817,400	908,531	863,512			
12/31/2004	632,823	632,823	632,823	611,812	611,812				
12/31/2005	216,882	216,882	216,882	216,882					
12/31/2006	937,374	937,374	937,374						
12/31/2007	1,164,333	1,179,746							
12/31/2008	1,614,363								

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:

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
12/31/2000	3,242,674	7,144,726	8,981,631	10,648,892	10,464,196	10,814,240	10,323,302	10,286,487	10,137,136	10,175,780	10,173,201
12/31/2001	3,133,452	6,660,980	8,776,836	9,811,634	10,370,281	10,363,562	10,197,264	9,952,141	9,847,539	9,746,086	9,767,456
12/31/2002	2,758,877	6,641,268	8,656,737	9,461,388	10,317,479	10,423,394	10,763,771	10,970,492	11,190,124	11,294,959	11,328,677
12/31/2003	3,470,539	6,397,716	9,686,336	10,239,423	10,166,351	9,993,584	9,741,661	9,703,855	9,687,387	9,723,788	9,774,798
12/31/2004	4,459,289	6,731,994	9,314,891	10,444,438	10,389,712	9,863,317	10,176,098	10,131,332	10,114,920	10,150,083	10,254,941
12/31/2005	4,032,914	6,897,838	9,698,351	10,798,454	10,752,934	10,954,814	11,310,428	11,195,717	11,118,123	11,210,059	11,165,605
12/31/2006	4,118,288	7,991,102	12,143,269	12,860,188	12,777,964	12,975,034	12,848,267	13,060,896	12,972,185	12,886,864	12,813,754
12/31/2007	4,102,327	7,805,367	10,690,625	11,903,762	11,984,701	12,062,570	11,769,326	11,919,965	12,116,873	11,902,398	11,882,985
12/31/2008	4,034,766	7,616,099	10,989,668	11,695,921	11,492,025	11,443,616	12,120,941	11,857,037	11,913,439	11,869,198	12,033,604
12/31/2009	4,688,238	7,515,638	10,516,899	11,134,662	11,140,849	11,587,261	11,291,981	11,279,398	11,165,995	11,006,663	10,941,865
12/31/2010	4,587,101	9,381,269	11,472,678	12,840,889	13,943,374	13,994,289	13,548,619	13,404,958	13,297,191	13,174,779	
12/31/2011	4,511,215	7,061,884	10,610,877	12,695,390	12,661,749	11,638,688	11,728,586	11,507,789	11,398,868		
12/31/2012	3,387,762	7,252,074	12,865,348	12,856,255	13,101,719	12,982,240	12,656,061	12,471,057			
12/31/2013	4,000,180	9,223,943	11,294,278	12,956,977	13,071,827	13,037,182	13,279,634				
12/31/2014	5,096,138	7,859,189	11,925,736	12,349,829	12,174,727	11,560,249					
12/31/2015	4,298,913	7,713,301	11,385,982	12,137,423	12,054,672						
12/31/2016	2,908,112	7,655,730	11,103,353	12,115,610							
12/31/2017	3,891,649	7,788,966	11,023,869								
12/31/2018	4,420,937	8,796,088									
12/31/2019	5,392,704										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2000	10,209,494	10,262,237	10,204,987	10,258,241	10,253,237	10,268,236	10,268,236	10,266,686	10,303,236
12/31/2001	9,818,357	9,822,141	9,859,183	9,902,390	9,879,026	9,848,825	9,943,870	9,949,326	
12/31/2002	11,261,882	11,292,415	11,436,649	11,437,359	11,426,321	11,470,449	11,470,449		
12/31/2003	9,810,302	9,823,349	9,862,102	9,842,101	9,842,601	9,815,600			
12/31/2004	10,319,211	10,515,671	10,451,455	10,458,456	10,484,290				
12/31/2005	11,058,866	11,015,958	10,954,617	10,939,482					
12/31/2006	12,815,753	12,808,200	12,805,200						
12/31/2007	11,907,480	11,821,151							
12/31/2008	11,956,080								

COMPLETED OPERATIONS (Subline Code 336)
 FULL COVERAGE
 MULTISTATE
 BODILY INJURY - OCCURRENCE
 INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

A.Y.E.	27: 15	39: 27	51: 39	Link Ratios		75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/2000	2.203	1.257	1.186	63: 51	0.983	1.033	0.955	0.996	0.985	1.004	1.000	1.004
12/31/2001	2.126	1.318	1.118		1.057	0.999	0.984	0.976	0.989	0.990	1.002	1.005
12/31/2002	2.407	1.303	1.093		1.090	1.010	1.033	1.019	1.020	1.009	1.003	0.994
12/31/2003	1.843	1.514	1.057		0.993	0.983	0.975	0.996	0.998	1.004	1.005	1.004
12/31/2004	1.510	1.384	1.121		0.995	0.949	1.032	0.996	0.998	1.003	1.010	1.006
12/31/2005	1.710	1.406	1.113		0.996	1.019	1.032	0.990	0.993	1.008	0.996	0.990
12/31/2006	1.940	1.520	1.059		0.994	1.015	0.990	1.017	0.993	0.993	0.994	1.000
12/31/2007	1.903	1.370	1.113		1.007	1.006	0.976	1.013	1.017	0.982	0.998	1.002
12/31/2008	1.888	1.443	1.064		0.983	0.996	1.059	0.978	1.005	0.996	1.014	0.994
12/31/2009	1.603	1.443	1.059		1.001	1.040	0.975	0.999	0.990	0.986	0.994	
12/31/2010	2.045	1.223	1.119		1.086	1.004	0.968	0.989	0.992	0.991		
12/31/2011	1.565	1.503	1.196		0.997	0.919	1.008	0.981	0.991			
12/31/2012	2.141	1.774	0.999		1.019	0.991	0.975	0.985				
12/31/2013	2.306	1.224	1.147		1.009	0.997	1.019					
12/31/2014	1.542	1.517	1.036		0.986	0.950						
12/31/2015	1.794	1.476	1.066		0.993							
12/31/2016	2.633	1.450	1.091									
12/31/2017	2.001	1.415										
12/31/2018	1.990											

3 Yr Mean	2.208	1.447	1.064	0.996	0.979	1.001	0.985	0.991	0.991	1.002	0.999
Best 3/5	1.928	1.447	1.064	1.000	0.979	0.986	0.985	0.996	0.990	0.996	0.999

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/2000	1.005	0.994	1.005	1.000	1.001	1.000	1.000	1.004
12/31/2001	1.000	1.004	1.004	0.998	0.997	1.010	1.001	1.000 *
12/31/2002	1.003	1.013	1.000	0.999	1.004	1.000	1.000 *	1.000 *
12/31/2003	1.001	1.004	0.998	1.000	0.997	0.999 *	1.000 *	1.000 *
12/31/2004	1.019	0.994	1.001	1.002	1.000 *	0.999 *	1.000 *	1.000 *
12/31/2005	0.996	0.994	0.999					
12/31/2006	0.999	1.000						
12/31/2007	0.993							

3 Yr Mean	0.996	0.996	0.999	1.000	0.999 @	1.003 @	1.001 @	1.004 @
Best 3/5	0.999	0.999	1.000	1.000	0.999 *	1.000 *	1.000 *	1.000 *

A.Y.E.	15/ 27	27/ 39	39/ 51	Development From		51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2015							0.979	0.986	0.985	0.996	0.990	0.996	0.999
12/31/2016						1.000	0.979	0.986	0.985	0.996	0.990	0.996	0.999
12/31/2017			1.064			1.000	0.979	0.986	0.985	0.996	0.990	0.996	0.999
12/31/2018		1.447	1.064			1.000	0.979	0.986	0.985	0.996	0.990	0.996	0.999
12/31/2019	1.928	1.447	1.064			1.000	0.979	0.986	0.985	0.996	0.990	0.996	0.999

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	0.999	0.999	1.000	1.000	0.999	1.000	1.000	1.000	1.000*	0.930
12/31/2016	0.999	0.999	1.000	1.000	0.999	1.000	1.000	1.000	1.000*	0.930
12/31/2017	0.999	0.999	1.000	1.000	0.999	1.000	1.000	1.000	1.000*	0.990
12/31/2018	0.999	0.999	1.000	1.000	0.999	1.000	1.000	1.000	1.000*	1.432
12/31/2019	0.999	0.999	1.000	1.000	0.999	1.000	1.000	1.000	1.000*	2.761

* Calculated Using Modified Bondy Method
 @ 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:

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
12/31/2000	200,596	346,602	976,862	1,276,948	1,067,025	1,639,815	1,461,086	1,342,286	1,417,605	1,408,305	1,337,107
12/31/2001	341,894	717,993	931,446	983,561	925,921	1,006,703	1,264,056	1,362,273	1,314,023	1,301,223	1,208,023
12/31/2002	225,354	646,851	1,120,130	1,160,429	1,369,778	1,357,332	1,668,535	1,718,535	1,542,453	1,464,178	1,393,679
12/31/2003	319,688	867,685	1,366,084	1,255,628	1,211,547	1,314,289	1,316,395	1,340,895	1,320,895	1,320,895	1,344,495
12/31/2004	267,810	621,021	1,029,012	1,051,848	1,091,198	1,010,394	845,283	857,080	890,480	868,580	821,480
12/31/2005	666,165	1,019,464	969,246	921,235	1,102,588	946,878	1,048,432	1,050,432	1,013,532	1,152,441	1,097,866
12/31/2006	817,591	1,004,931	1,254,896	1,371,721	1,367,373	1,198,955	1,173,954	1,394,554	1,534,005	1,484,236	1,380,504
12/31/2007	289,168	836,860	810,021	946,250	1,039,501	1,152,701	1,092,343	1,085,168	1,060,864	1,060,365	1,108,415
12/31/2008	275,445	623,754	665,194	761,040	735,573	914,521	1,007,977	1,145,724	1,158,771	1,096,313	1,095,313
12/31/2009	471,789	950,400	1,069,085	1,263,752	1,084,741	1,154,076	1,098,109	1,097,244	1,038,243	1,153,243	1,138,109
12/31/2010	598,172	717,553	1,271,274	1,676,833	1,417,928	1,351,454	1,276,164	1,322,665	1,417,736	1,417,726	
12/31/2011	270,205	768,752	1,179,204	1,638,563	1,671,608	1,555,990	1,555,990	1,555,990	1,555,990		
12/31/2012	383,511	1,139,597	1,405,578	1,652,860	1,649,357	1,695,210	1,692,710	1,712,708			
12/31/2013	1,675,399	2,417,513	2,512,315	2,522,059	2,567,808	2,668,307	2,782,307				
12/31/2014	1,846,961	2,366,662	2,733,796	3,025,494	3,109,813	3,062,713					
12/31/2015	979,370	1,453,033	1,825,642	2,328,315	2,235,619						
12/31/2016	1,109,680	2,254,257	2,968,685	3,139,415							
12/31/2017	527,754	1,879,511	2,447,208								
12/31/2018	870,529	1,778,390									
12/31/2019	1,188,706										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2000	1,354,107	1,316,105	1,286,105	1,353,605	1,348,605	1,348,605	1,349,105	1,350,155	1,349,605
12/31/2001	1,208,024	1,208,027	1,251,024	1,211,023	1,211,024	1,236,024	1,236,023	1,236,023	
12/31/2002	1,352,778	1,357,680	1,356,612	1,356,611	1,356,611	1,456,610	1,456,610		
12/31/2003	1,342,395	1,319,895	1,319,396	1,319,396	1,419,395	1,419,395			
12/31/2004	820,381	820,282	820,281	920,280	920,280				
12/31/2005	1,137,867	1,137,866	1,198,115	1,197,865					
12/31/2006	1,339,254	1,439,251	1,439,251						
12/31/2007	1,317,414	1,217,414							
12/31/2008	1,090,313								

COMPLETED OPERATIONS (Subline Code 336)
 DEDUCTIBLE
 MULTISTATE
 BODILY INJURY - OCCURRENCE
 INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

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
12/31/2000	1.728	2.818	1.307	0.836	1.537	0.891	0.919	1.056	0.993	0.949	1.013
12/31/2001	2.100	1.297	1.056	0.941	1.087	1.256	1.078	0.965	0.990	0.928	1.000
12/31/2002	2.870	1.732	1.036	1.180	0.991	1.229	1.030	0.898	0.949	0.952	0.971
12/31/2003	2.714	1.574	0.919	0.965	1.085	1.002	1.019	0.985	1.000	1.018	0.998
12/31/2004	2.319	1.657	1.022	1.037	0.926	0.837	1.014	1.039	0.975	0.946	0.999
12/31/2005	1.530	0.951	0.950	1.197	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	0.968	0.930	0.970
12/31/2007	2.894	0.968	1.168	1.099	1.109	0.948	0.993	0.978	1.000	1.045	1.189
12/31/2008	2.265	1.066	1.144	0.967	1.243	1.102	1.137	1.011	0.946	0.999	0.995
12/31/2009	2.014	1.125	1.182	0.858	1.064	0.952	0.999	0.946	1.111	0.987	
12/31/2010	1.200	1.772	1.319	0.846	0.953	0.944	1.036	1.072	1.000		
12/31/2011	2.845	1.534	1.390	1.020	0.931	1.000	1.000	1.000			
12/31/2012	2.971	1.233	1.176	0.998	1.028	0.999	1.012				
12/31/2013	1.443	1.039	1.004	1.018	1.039	1.043					
12/31/2014	1.281	1.155	1.107	1.028	0.985						
12/31/2015	1.484	1.256	1.275	0.960							
12/31/2016	2.031	1.317	1.058								
12/31/2017	3.561	1.302									
12/31/2018	2.043										

3 Yr Mean	2.545	1.292	1.147	1.002	1.017	1.014	1.016	1.006	1.019	1.010	1.051
Best 3/5	1.853	1.238	1.114	1.012	0.989	0.984	1.016	0.996	0.989	0.980	1.010

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/2000	0.972	0.977	1.052	0.996	1.000	1.000	1.001	1.000
12/31/2001	1.000	1.036	0.968	1.000	1.021	1.000	1.000	1.001 *
12/31/2002	1.004	0.999	1.000	1.000	1.074	1.000	1.001 *	1.001 *
12/31/2003	0.983	1.000	1.000	1.076	1.000	1.007 *	1.001 *	1.001 *
12/31/2004	1.000	1.000	1.122	1.000	1.000 *	1.007 *	1.001 *	1.001 *
12/31/2005	1.000	1.053	1.000					
12/31/2006	1.075	1.000						
12/31/2007	0.924							

3 Yr Mean	1.000	1.018	1.041	1.025	1.032 @	1.000 @	1.001 @	1.000 @
Best 3/5	0.994	1.000	1.000	1.000	1.007 *	1.002 *	1.001 *	1.001 *

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
12/31/2015					0.989	0.984	1.016	0.996	0.989	0.980	1.010
12/31/2016				1.012	0.989	0.984	1.016	0.996	0.989	0.980	1.010
12/31/2017			1.114	1.012	0.989	0.984	1.016	0.996	0.989	0.980	1.010
12/31/2018		1.238	1.114	1.012	0.989	0.984	1.016	0.996	0.989	0.980	1.010
12/31/2019	1.853	1.238	1.114	1.012	0.989	0.984	1.016	0.996	0.989	0.980	1.010

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	0.994	1.000	1.000	1.000	1.007	1.002	1.001	1.001	1.004*	0.973
12/31/2016	0.994	1.000	1.000	1.000	1.007	1.002	1.001	1.001	1.004*	0.984
12/31/2017	0.994	1.000	1.000	1.000	1.007	1.002	1.001	1.001	1.004*	1.097
12/31/2018	0.994	1.000	1.000	1.000	1.007	1.002	1.001	1.001	1.004*	1.358
12/31/2019	0.994	1.000	1.000	1.000	1.007	1.002	1.001	1.001	1.004*	2.516

* Calculated Using Modified Bondy Method
 @ 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
12/31/2000	643,844	2,431,452	3,578,961	5,854,174	6,394,044	7,064,768	7,067,499	7,064,159	7,114,848	7,362,976	7,373,492
12/31/2001	558,211	1,856,091	3,689,297	5,810,923	7,200,600	7,909,890	8,510,608	8,496,738	8,559,767	8,569,994	8,542,240
12/31/2002	664,985	2,787,414	4,538,065	7,756,133	8,549,969	9,970,633	10,287,382	10,637,334	10,891,335	10,908,318	10,991,183
12/31/2003	1,043,010	2,221,347	4,668,805	7,438,984	8,290,635	8,904,390	9,533,868	9,529,891	9,401,256	9,440,277	9,492,425
12/31/2004	541,289	1,801,861	4,151,954	6,488,638	8,171,597	9,128,242	10,318,999	10,164,636	10,235,773	10,264,179	10,587,457
12/31/2005	728,569	1,319,198	3,655,956	6,037,866	7,273,289	7,943,782	8,472,072	8,676,203	8,995,840	9,287,042	9,457,581
12/31/2006	743,466	3,193,168	5,897,006	7,596,244	9,018,645	10,174,820	10,735,728	11,061,898	11,336,147	11,351,122	11,330,437
12/31/2007	799,462	2,375,331	5,141,892	8,716,390	9,718,518	10,325,847	10,590,425	10,874,455	11,055,835	11,168,546	11,197,300
12/31/2008	815,732	2,139,077	4,509,355	6,682,726	8,683,219	9,845,665	10,550,990	11,056,131	11,754,341	15,012,188	14,804,798
12/31/2009	541,159	1,879,623	4,050,348	6,338,868	8,614,865	9,187,449	9,470,536	9,692,278	9,704,391	9,821,435	9,861,032
12/31/2010	826,831	2,779,802	5,287,250	8,031,142	10,606,394	11,712,257	12,568,267	12,604,517	12,991,200	13,061,123	
12/31/2011	778,980	2,081,452	4,381,129	7,615,724	9,911,678	10,731,903	11,176,153	11,258,464	11,417,519		
12/31/2012	390,490	1,620,373	5,442,819	8,050,079	9,704,090	11,475,152	12,126,816	11,530,076			
12/31/2013	508,732	2,077,655	4,775,359	8,156,124	10,055,383	11,352,873	11,734,808				
12/31/2014	543,643	2,178,262	5,285,493	7,069,279	8,248,455	9,161,634					
12/31/2015	446,937	1,725,785	4,633,495	6,391,667	8,343,686						
12/31/2016	405,440	1,820,825	3,795,001	7,484,555							
12/31/2017	658,897	2,130,600	4,756,450								
12/31/2018	497,876	2,138,309									
12/31/2019	362,112										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2000	7,486,032	7,482,514	7,471,828	7,477,641	7,481,397	7,493,624	7,501,156	7,512,411	7,534,046
12/31/2001	8,574,704	8,563,428	8,575,788	8,645,541	8,650,188	8,660,389	8,664,277	8,665,825	
12/31/2002	11,057,454	11,241,972	11,328,090	11,430,407	11,442,012	11,700,958	11,747,193		
12/31/2003	9,603,711	9,641,345	9,718,646	9,735,412	9,750,829	9,764,259			
12/31/2004	10,770,869	10,896,981	10,947,311	10,992,156	10,947,057				
12/31/2005	9,597,891	9,825,371	9,885,629	9,760,472					
12/31/2006	11,427,248	11,425,329	11,434,777						
12/31/2007	11,194,820	11,251,444							
12/31/2008	15,025,797								

Link Ratios: 171 to Ultimate									
A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243		
12/31/2000	1.001	1.001	1.002	1.001	1.002	1.003	1.004	*	
12/31/2001	1.008	1.001	1.001	1.000	1.000	1.001	1.004	*	
12/31/2002	1.009	1.001	1.023	1.004	1.001	*	1.004	*	
12/31/2003	1.002	1.002	1.001	1.001	*	1.001	*	1.004	*
12/31/2004	1.004	0.996	1.000	*	1.001	*	1.001	*	1.004
12/31/2005	0.987								

Best 3/5 1.005 1.001 1.001 * 1.001 * 1.001 * 1.001 * 1.004 *

171 to Ultimate Factor: 1.014

* Calculated Using Modified Bondy Method

COMPLETED OPERATIONS (Subline Code 336)
FULL COVERAGE
MULTISTATE
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR 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
12/31/2000	1,787,608	1,147,509	2,275,213	539,870	670,724	2,731	-3,340	50,689	248,128	10,516	112,540	-3,518	-10,686
12/31/2001	1,297,880	1,833,206	2,121,626	1,389,677	709,290	600,718	-13,870	63,029	10,227	-27,754	32,464	-11,276	12,360
12/31/2002	2,122,429	1,750,651	3,218,068	793,836	1,420,664	316,749	349,952	254,001	16,983	82,865	66,271	184,518	86,118
12/31/2003	1,178,337	2,447,458	2,770,179	851,651	613,755	629,478	-3,977	-128,635	39,021	52,148	111,286	37,634	77,301
12/31/2004	1,260,572	2,350,093	2,336,684	1,682,959	956,645	1,190,757	-154,363	71,137	28,406	323,278	183,412	126,112	50,330
12/31/2005	590,629	2,336,758	2,381,910	1,235,423	670,493	528,290	204,131	319,637	291,202	170,539	140,310	227,480	60,258
12/31/2006	2,449,702	2,703,838	1,699,238	1,422,401	1,156,175	560,908	326,170	274,249	14,975	-20,685	96,811	-1,919	9,448
12/31/2007	1,575,869	2,766,561	3,574,498	1,002,128	607,329	264,578	284,030	181,380	112,711	28,754	-2,480	56,624	
12/31/2008	1,323,345	2,370,278	2,173,371	2,000,493	1,162,446	705,325	505,141	698,210	3,257,847	-207,390	220,999		
12/31/2009	1,338,464	2,170,725	2,288,520	2,275,997	572,584	283,087	221,742	12,113	117,044	39,597			
12/31/2010	1,952,971	2,507,448	2,743,892	2,575,252	1,105,863	856,010	36,250	386,683	69,923				
12/31/2011	1,302,472	2,299,677	3,234,595	2,295,954	820,225	444,250	82,311	159,055					
12/31/2012	1,229,883	3,822,446	2,607,260	1,654,011	1,771,062	651,664	-596,740						
12/31/2013	1,568,923	2,697,704	3,380,765	1,899,259	1,297,490	381,935							
12/31/2014	1,634,619	3,107,231	1,783,786	1,179,176	913,179								
12/31/2015	1,278,848	2,907,710	1,758,172	1,952,019									
12/31/2016	1,415,385	1,974,176	3,689,554										
12/31/2017	1,471,703	2,625,850											
12/31/2018	1,640,433												

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
12/31/2000	0.0940	0.0603	0.1196	0.0284	0.0353	0.0001	-0.0002	0.0027	0.0130	0.0006	0.0059	-0.0002	-0.0006
12/31/2001	0.0754	0.1064	0.1232	0.0807	0.0412	0.0349	-0.0008	0.0037	0.0006	-0.0016	0.0019	-0.0007	0.0007
12/31/2002	0.0969	0.0800	0.1470	0.0363	0.0649	0.0145	0.0160	0.0116	0.0008	0.0038	0.0030	0.0084	0.0039
12/31/2003	0.0692	0.1436	0.1626	0.0500	0.0360	0.0369	-0.0002	-0.0075	0.0023	0.0031	0.0065	0.0022	0.0045
12/31/2004	0.0719	0.1341	0.1333	0.0960	0.0546	0.0679	-0.0088	0.0041	0.0016	0.0184	0.0105	0.0072	0.0029
12/31/2005	0.0267	0.1056	0.1076	0.0558	0.0303	0.0239	0.0092	0.0144	0.0132	0.0077	0.0063	0.0103	0.0027
12/31/2006	0.0956	0.1055	0.0663	0.0555	0.0451	0.0219	0.0127	0.0107	0.0006	-0.0008	0.0038	-0.0001	0.0004
12/31/2007	0.0765	0.1343	0.1735	0.0486	0.0295	0.0128	0.0138	0.0088	0.0055	0.0014	-0.0001	0.0027	
12/31/2008	0.0598	0.1071	0.0982	0.0904	0.0525	0.0319	0.0228	0.0315	0.1472	-0.0094	0.0100		
12/31/2009	0.0622	0.1008	0.1063	0.1057	0.0266	0.0131	0.0103	0.0006	0.0054	0.0018			
12/31/2010	0.0845	0.1084	0.1187	0.1114	0.0478	0.0370	0.0016	0.0167	0.0030				
12/31/2011	0.0633	0.1117	0.1571	0.1115	0.0398	0.0216	0.0040	0.0077					
12/31/2012	0.0497	0.1546	0.1054	0.0669	0.0716	0.0264	-0.0241						
12/31/2013	0.0643	0.1105	0.1385	0.0778	0.0531	0.0156							
12/31/2014	0.0779	0.1481	0.0850	0.0562	0.0435								
12/31/2015	0.0633	0.1440	0.0871	0.0967									
12/31/2016	0.0604	0.0842	0.1574										
12/31/2017	0.0680	0.1213											
12/31/2018	0.0664												

Best 3/5	0.0659	0.1252	0.1103	0.0804	0.0482	0.0212	0.0053	0.0111	0.0046	0.0008	0.0067	0.0041	0.0032
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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:											
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
12/31/2000	19,808,090	27,513,766	32,883,313	37,299,108	39,684,063	42,593,053	46,285,456	48,009,019	48,866,943	50,071,906	50,411,856
12/31/2001	21,909,043	29,846,817	35,674,447	39,122,304	42,350,495	43,668,645	44,640,677	46,870,818	48,222,285	48,773,581	48,723,579
12/31/2002	23,033,940	31,255,274	35,353,537	39,985,091	40,711,979	41,424,616	43,446,380	45,229,285	46,156,309	45,704,901	46,107,721
12/31/2003	25,487,822	30,662,205	34,739,291	35,202,326	37,681,916	38,642,405	39,153,559	40,204,403	41,417,933	41,608,388	42,045,451
12/31/2004	25,873,260	32,080,437	35,648,557	39,699,683	41,830,897	43,935,450	45,715,124	46,834,875	48,622,259	49,317,247	50,655,331
12/31/2005	23,266,575	28,632,713	32,897,088	37,194,255	39,587,655	42,114,786	44,790,066	46,138,460	47,734,613	47,935,832	48,888,175
12/31/2006	31,453,497	39,047,918	45,310,399	50,640,143	56,298,873	58,115,633	59,829,612	59,380,783	60,714,175	61,538,916	63,447,916
12/31/2007	35,488,486	43,496,756	51,811,667	54,642,563	57,281,096	59,379,407	60,415,648	62,482,631	64,206,571	66,232,367	68,877,782
12/31/2008	44,863,061	53,068,002	59,008,138	61,463,405	62,715,392	64,230,546	66,401,391	67,621,066	75,834,116	83,848,997	78,468,586
12/31/2009	48,977,514	57,599,573	63,950,614	65,234,551	67,009,019	67,782,276	68,930,461	72,177,338	77,321,257	77,654,957	78,355,281
12/31/2010	48,630,304	57,567,513	61,068,606	62,932,082	65,131,026	66,601,748	67,990,291	70,124,529	71,440,989	71,690,491	
12/31/2011	48,261,319	53,966,786	55,977,283	56,695,640	57,931,453	60,472,405	62,680,333	64,005,746	65,477,144		
12/31/2012	40,520,596	46,020,895	47,620,728	50,150,600	52,916,362	55,527,928	57,297,093	57,972,330			
12/31/2013	36,268,550	40,494,989	44,685,308	46,651,040	49,440,107	51,050,877	53,214,410				
12/31/2014	35,474,045	41,168,133	44,272,152	46,654,048	47,709,693	49,744,488					
12/31/2015	34,195,202	40,588,663	46,069,719	49,487,561	51,721,971						
12/31/2016	33,344,652	43,686,632	48,620,722	53,012,575							
12/31/2017	36,447,545	44,163,456	51,402,168								
12/31/2018	40,360,527	52,395,300									
12/31/2019	43,262,712										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2000	50,983,064	50,877,387	50,875,280	50,896,044	50,779,404	50,649,705	50,696,219	50,698,060	50,779,702
12/31/2001	49,063,320	48,862,203	48,991,403	49,207,145	49,173,606	49,312,215	49,599,108	49,486,190	
12/31/2002	46,428,305	46,555,551	46,595,499	46,617,180	47,123,358	47,241,895	47,526,230		
12/31/2003	42,206,157	42,636,206	43,049,349	43,598,187	43,919,538	43,985,393			
12/31/2004	51,477,166	52,060,887	52,106,245	52,475,978	52,635,147				
12/31/2005	49,311,344	49,759,332	50,202,672	51,166,654					
12/31/2006	64,613,733	65,474,176	66,056,306						
12/31/2007	69,476,183	69,908,943							
12/31/2008	76,672,413								

COMPLETED OPERATIONS (Subline Code 336)
 FULL COVERAGE
 MULTISTATE
 PROPERTY DAMAGE - OCCURRENCE
 INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

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
12/31/2000	1.389	1.195	1.134	1.064	1.073	1.087	1.037	1.018	1.025	1.007	1.011
12/31/2001	1.362	1.195	1.097	1.083	1.031	1.022	1.050	1.029	1.011	0.999	1.007
12/31/2002	1.357	1.131	1.131	1.018	1.018	1.049	1.041	1.020	0.990	1.009	1.007
12/31/2003	1.203	1.133	1.013	1.070	1.025	1.013	1.027	1.030	1.005	1.011	1.004
12/31/2004	1.240	1.111	1.114	1.054	1.050	1.041	1.024	1.038	1.014	1.027	1.016
12/31/2005	1.231	1.149	1.131	1.064	1.064	1.064	1.030	1.035	1.004	1.020	1.009
12/31/2006	1.241	1.160	1.118	1.112	1.032	1.029	0.992	1.022	1.014	1.031	1.018
12/31/2007	1.226	1.191	1.055	1.048	1.037	1.017	1.034	1.028	1.032	1.040	1.009
12/31/2008	1.183	1.112	1.042	1.020	1.024	1.034	1.018	1.121	1.106	0.936	0.977
12/31/2009	1.176	1.110	1.020	1.027	1.012	1.017	1.047	1.071	1.004	1.009	
12/31/2010	1.184	1.061	1.031	1.035	1.023	1.021	1.031	1.019	1.003		
12/31/2011	1.118	1.037	1.013	1.022	1.044	1.037	1.021	1.023			
12/31/2012	1.136	1.035	1.053	1.055	1.049	1.032	1.012				
12/31/2013	1.117	1.103	1.044	1.060	1.033	1.042					
12/31/2014	1.161	1.075	1.054	1.023	1.043						
12/31/2015	1.187	1.135	1.074	1.045							
12/31/2016	1.310	1.113	1.090								
12/31/2017	1.212	1.164									
12/31/2018	1.298										
3 Yr Mean	1.273	1.137	1.073	1.043	1.042	1.037	1.021	1.038	1.038	0.995	1.001
Best 3/5	1.232	1.117	1.060	1.041	1.040	1.030	1.023	1.041	1.017	1.020	1.011

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/2000	0.998	1.000	1.000	0.998	0.997	1.001	1.000	1.002			
12/31/2001	0.996	1.003	1.004	0.999	1.003	1.006	0.998	1.001 *			
12/31/2002	1.003	1.001	1.000	1.011	1.003	1.006	1.003 *	1.001 *			
12/31/2003	1.010	1.010	1.013	1.007	1.001	1.001 *	1.003 *	1.001 *			
12/31/2004	1.011	1.001	1.007	1.003	1.001 *	1.001 *	1.003 *	1.001 *			
12/31/2005	1.009	1.009	1.019								
12/31/2006	1.013	1.009									
12/31/2007	1.006										
3 Yr Mean	1.009	1.006	1.013	1.007	1.002 @	1.004 @	0.999 @	1.002 @			
Best 3/5	1.010	1.006	1.008	1.003	1.002 *	1.003 *	1.002 *	1.001 *			

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
12/31/2015					1.040	1.030	1.023	1.041	1.017	1.020	1.011
12/31/2016				1.041	1.040	1.030	1.023	1.041	1.017	1.020	1.011
12/31/2017			1.060	1.041	1.040	1.030	1.023	1.041	1.017	1.020	1.011
12/31/2018		1.117	1.060	1.041	1.040	1.030	1.023	1.041	1.017	1.020	1.011
12/31/2019	1.232	1.117	1.060	1.041	1.040	1.030	1.023	1.041	1.017	1.020	1.011

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	1.010	1.006	1.008	1.003	1.002	1.003	1.002	1.001	1.001*	1.240
12/31/2016	1.010	1.006	1.008	1.003	1.002	1.003	1.002	1.001	1.001*	1.291
12/31/2017	1.010	1.006	1.008	1.003	1.002	1.003	1.002	1.001	1.001*	1.368
12/31/2018	1.010	1.006	1.008	1.003	1.002	1.003	1.002	1.001	1.001*	1.528
12/31/2019	1.010	1.006	1.008	1.003	1.002	1.003	1.002	1.001	1.001*	1.883

* Calculated Using Modified Bondy Method
 @ 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.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/2000	3,110,566	4,932,427	6,831,157	9,015,250	11,306,631	14,086,885	16,171,641	17,956,827	18,777,973	21,050,584	22,803,202
12/31/2001	3,489,097	5,526,504	7,581,604	10,294,575	13,581,290	16,815,565	21,563,607	22,972,910	25,465,689	25,537,377	27,074,587
12/31/2002	3,869,547	5,266,889	7,634,451	9,448,387	11,115,022	13,703,839	15,356,116	17,226,965	19,460,727	19,390,207	19,372,934
12/31/2003	4,151,510	6,018,111	7,594,180	8,333,617	9,667,188	10,268,702	11,268,578	11,961,965	12,636,940	13,486,959	13,405,243
12/31/2004	5,713,030	7,273,617	9,072,099	9,610,483	10,285,041	11,289,209	11,825,510	13,002,517	13,363,273	13,776,819	13,846,045
12/31/2005	6,296,515	8,701,064	9,375,398	9,986,408	11,286,387	11,720,149	12,109,484	12,779,633	13,388,177	13,202,366	13,523,890
12/31/2006	7,507,229	8,962,205	10,025,912	10,565,337	10,646,130	11,477,526	12,178,651	12,647,071	12,909,501	13,700,371	14,350,399
12/31/2007	9,298,561	11,418,052	11,859,475	12,270,316	12,694,397	13,189,571	14,291,579	14,986,763	15,640,150	16,888,743	16,946,572
12/31/2008	8,708,416	11,425,136	13,610,880	13,751,059	14,609,021	15,447,772	16,418,618	16,909,427	17,698,751	17,838,043	18,373,791
12/31/2009	7,936,132	10,248,930	11,588,943	12,368,204	13,351,311	14,588,864	15,599,355	16,034,889	16,601,788	17,153,056	17,504,711
12/31/2010	8,904,290	10,536,324	10,739,898	11,605,270	12,335,135	12,551,916	12,967,656	13,890,332	14,147,671	14,335,409	
12/31/2011	8,404,568	10,335,323	11,326,642	11,434,548	12,190,531	12,880,043	13,361,935	13,803,680	13,715,936		
12/31/2012	7,691,078	9,085,628	9,766,402	10,190,379	11,585,794	12,221,772	12,485,104	13,465,344			
12/31/2013	10,290,474	12,132,459	12,805,200	13,636,881	14,217,651	14,894,818	15,589,721				
12/31/2014	10,475,019	12,362,690	14,118,741	15,606,041	16,371,177	17,310,083					
12/31/2015	12,365,417	15,339,247	16,177,333	16,808,450	18,126,155						
12/31/2016	13,146,303	15,120,444	17,669,230	18,933,815							
12/31/2017	11,689,536	14,174,033	17,172,970								
12/31/2018	12,577,707	15,632,745									
12/31/2019	10,402,615										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2000	23,375,460	23,574,956	23,492,890	23,465,678	23,241,199	23,070,654	23,120,927	23,116,453	22,993,951
12/31/2001	27,235,245	27,313,533	26,934,975	26,843,100	26,661,193	26,724,440	26,656,890	26,638,890	
12/31/2002	19,691,678	19,493,471	19,197,635	18,967,507	19,046,399	19,042,195	19,077,196		
12/31/2003	13,251,727	13,452,297	13,105,805	13,057,111	13,002,105	13,002,105			
12/31/2004	13,771,549	13,916,033	13,945,610	13,934,004	13,865,077				
12/31/2005	14,022,392	14,226,708	14,405,340	14,438,221					
12/31/2006	14,448,083	14,568,609	14,847,984						
12/31/2007	17,093,783	17,323,806							
12/31/2008	18,571,376								

COMPLETED OPERATIONS (Subline Code 336)
 DEDUCTIBLE
 MULTISTATE
 PROPERTY DAMAGE - OCCURRENCE
 INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

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
12/31/2000	1.586	1.385	1.320	1.254	1.246	1.148	1.110	1.046	1.121	1.083	1.025
12/31/2001	1.584	1.372	1.358	1.319	1.238	1.282	1.065	1.109	1.003	1.060	1.006
12/31/2002	1.361	1.450	1.238	1.176	1.233	1.121	1.122	1.130	0.996	0.999	1.016
12/31/2003	1.450	1.262	1.097	1.160	1.062	1.097	1.062	1.056	1.067	0.994	0.989
12/31/2004	1.273	1.247	1.059	1.070	1.098	1.048	1.100	1.028	1.031	1.005	0.995
12/31/2005	1.382	1.078	1.065	1.130	1.038	1.033	1.055	1.048	0.986	1.024	1.037
12/31/2006	1.194	1.119	1.054	1.008	1.078	1.061	1.038	1.021	1.061	1.047	1.007
12/31/2007	1.228	1.039	1.035	1.035	1.039	1.084	1.049	1.044	1.080	1.003	1.009
12/31/2008	1.312	1.191	1.010	1.062	1.057	1.063	1.030	1.047	1.008	1.030	1.011
12/31/2009	1.291	1.131	1.067	1.079	1.093	1.069	1.028	1.035	1.033	1.021	
12/31/2010	1.183	1.019	1.081	1.063	1.018	1.033	1.071	1.019	1.013		
12/31/2011	1.230	1.096	1.010	1.066	1.057	1.037	1.033	0.994			
12/31/2012	1.181	1.075	1.043	1.137	1.055	1.022	1.079				
12/31/2013	1.179	1.055	1.065	1.043	1.048	1.047					
12/31/2014	1.180	1.142	1.105	1.049	1.057						
12/31/2015	1.240	1.055	1.039	1.078							
12/31/2016	1.150	1.169	1.072								
12/31/2017	1.213	1.212									
12/31/2018	1.243										
3 Yr Mean	1.202	1.145	1.072	1.057	1.053	1.035	1.061	1.016	1.018	1.018	1.009
Best 3/5	1.211	1.122	1.060	1.064	1.053	1.039	1.045	1.033	1.036	1.025	1.009

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/2000	1.009	0.997	0.999	0.990	0.993	1.002	1.000	0.995			
12/31/2001	1.003	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	1.000 *	1.000 *			
12/31/2003	1.015	0.974	0.996	0.996	1.000	0.999 *	1.000 *	1.000 *			
12/31/2004	1.010	1.002	0.999	0.995	0.995 *	0.999 *	1.000 *	1.000 *			
12/31/2005	1.015	1.013	1.002								
12/31/2006	1.008	1.019									
12/31/2007	1.013										
3 Yr Mean	1.012	1.011	0.999	0.998	1.001 @	1.000 @	1.000 @	0.995 @			
Best 3/5	1.013	1.000	0.997	0.995	0.998 *	1.000 *	1.000 *	1.000 *			

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
12/31/2015					1.053	1.039	1.045	1.033	1.036	1.025	1.009
12/31/2016				1.064	1.053	1.039	1.045	1.033	1.036	1.025	1.009
12/31/2017			1.060	1.064	1.053	1.039	1.045	1.033	1.036	1.025	1.009
12/31/2018		1.122	1.060	1.064	1.053	1.039	1.045	1.033	1.036	1.025	1.009
12/31/2019	1.211	1.122	1.060	1.064	1.053	1.039	1.045	1.033	1.036	1.025	1.009

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	1.013	1.000	0.997	0.995	0.998	1.000	1.000	1.000	1.000*	1.269
12/31/2016	1.013	1.000	0.997	0.995	0.998	1.000	1.000	1.000	1.000*	1.350
12/31/2017	1.013	1.000	0.997	0.995	0.998	1.000	1.000	1.000	1.000*	1.431
12/31/2018	1.013	1.000	0.997	0.995	0.998	1.000	1.000	1.000	1.000*	1.606
12/31/2019	1.013	1.000	0.997	0.995	0.998	1.000	1.000	1.000	1.000*	1.945

* Calculated Using Modified Bondy Method
 @ 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	
12/31/2000	1,757,953	4,056,566	7,874,976	12,681,444	16,474,294	21,051,181	27,039,720	31,029,917	32,792,010	35,408,090	37,303,469	
12/31/2001	3,224,507	6,541,943	12,453,523	18,086,151	23,307,618	28,895,037	34,992,799	39,042,880	42,273,519	44,282,682	45,352,211	
12/31/2002	2,486,909	6,530,760	12,627,227	17,762,886	21,866,991	24,870,352	27,432,836	29,737,653	32,945,489	34,622,061	35,369,027	
12/31/2003	3,439,439	6,588,087	12,290,831	16,576,239	20,881,963	24,801,289	26,886,488	29,392,224	31,401,041	33,323,038	34,883,378	
12/31/2004	2,803,912	6,122,669	12,034,520	18,193,748	22,376,079	26,592,351	29,793,886	33,765,877	38,262,620	41,569,963	45,158,806	
12/31/2005	2,015,444	6,342,051	11,665,463	17,215,003	22,179,840	27,844,627	31,210,751	35,393,310	39,900,046	43,547,370	45,385,271	
12/31/2006	3,888,998	8,717,311	15,996,576	23,161,903	30,011,287	36,028,023	42,163,407	45,758,269	52,237,766	55,098,044	58,041,626	
12/31/2007	4,454,730	9,060,203	17,105,276	23,482,644	29,502,366	35,740,087	40,289,846	45,207,161	49,352,018	53,063,540	55,992,141	
12/31/2008	5,245,589	12,536,823	20,844,613	31,071,907	39,900,284	45,728,684	49,417,791	52,459,198	56,321,088	58,111,890	60,082,213	
12/31/2009	7,474,944	15,526,182	26,943,689	38,649,250	47,416,250	53,417,224	57,828,371	63,074,607	65,405,140	68,313,092	70,848,513	
12/31/2010	6,206,235	14,316,208	25,133,928	36,265,652	42,976,323	48,175,789	52,000,521	54,010,985	56,741,827	57,409,049		
12/31/2011	7,191,634	14,070,707	21,378,389	27,721,971	32,494,691	37,606,867	42,058,306	44,271,651	45,998,954			
12/31/2012	5,475,801	11,595,832	18,697,735	26,187,339	34,348,039	38,433,137	40,272,099	42,579,926				
12/31/2013	4,590,339	11,502,861	17,566,744	26,010,928	31,860,244	34,572,575	36,418,699					
12/31/2014	4,431,066	10,481,012	17,291,177	23,457,452	27,756,815	31,770,027						
12/31/2015	5,213,249	10,893,995	17,597,591	23,873,540	29,209,371							
12/31/2016	5,464,428	12,576,603	21,153,940	30,172,631								
12/31/2017	4,431,992	10,069,411	18,838,610									
12/31/2018	4,380,045	12,565,623										
12/31/2019	5,902,316											

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2000	39,389,430	39,489,800	39,390,238	39,672,253	40,056,575	40,138,720	40,014,326	40,025,414	40,005,969
12/31/2001	46,147,996	46,443,267	46,681,409	47,123,268	47,669,996	47,827,488	48,129,260	47,916,430	
12/31/2002	36,653,784	38,072,564	38,605,281	39,537,816	40,278,553	40,662,107	40,600,969		
12/31/2003	36,576,165	37,156,629	38,080,469	38,829,954	39,023,468	39,666,698			
12/31/2004	48,924,920	51,232,690	52,123,847	52,402,139	52,552,558				
12/31/2005	46,415,092	47,638,460	48,023,070	48,870,610					
12/31/2006	59,460,174	60,774,158	60,991,955						
12/31/2007	57,450,448	58,391,227							
12/31/2008	61,820,765								

Link Ratios: 171 to Ultimate									
A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243		
12/31/2000	1.007	1.010	1.002	0.997	1.000	1.000	1.000	*	
12/31/2001	1.009	1.012	1.003	1.006	0.996	1.000	*	1.000	*
12/31/2002	1.024	1.019	1.010	0.998	1.001	*	1.000	*	1.000
12/31/2003	1.020	1.005	1.016	1.004	*	1.001	*	1.000	*
12/31/2004	1.005	1.003	1.005	*	1.004	*	1.001	*	1.000
12/31/2005	1.018								

Best 3/5	1.016	1.009	1.006	*	1.002	*	1.001	*	1.000	*
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171 to Ultimate Factor: 1.034

* Calculated Using Modified Bondy Method

COMPLETED OPERATIONS (Subline Code 336)
FULL COVERAGE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR 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
12/31/2000	2,298,613	3,818,410	4,806,468	3,792,850	4,576,887	5,988,539	3,990,197	1,762,093	2,616,080	1,895,379	2,085,961	100,370	-99,562
12/31/2001	3,317,436	5,911,580	5,632,628	5,221,467	5,587,419	6,097,762	4,050,081	3,230,639	2,009,163	1,069,529	795,785	295,271	238,142
12/31/2002	4,043,851	6,096,467	5,135,659	4,104,105	3,003,361	2,562,484	2,304,817	3,207,836	1,676,572	746,966	1,284,757	1,418,780	532,717
12/31/2003	3,148,648	5,702,744	4,285,408	4,305,724	3,919,326	2,085,199	2,505,736	2,008,817	1,921,997	1,560,340	1,692,787	580,464	923,840
12/31/2004	3,318,757	5,911,851	6,159,228	4,182,331	4,216,272	3,201,535	3,971,991	4,496,743	3,307,343	3,588,843	3,766,114	2,307,770	891,157
12/31/2005	4,326,607	5,323,412	5,549,540	4,964,837	5,664,787	3,366,124	4,182,559	4,506,736	3,647,324	1,837,901	1,029,821	1,223,368	384,610
12/31/2006	4,828,313	7,279,265	7,165,327	6,849,384	6,016,736	6,135,384	3,594,862	6,479,497	2,860,278	2,943,582	1,418,548	1,313,984	217,797
12/31/2007	4,605,473	8,045,073	6,377,368	6,019,722	6,237,721	4,549,759	4,917,315	4,144,857	3,711,522	2,928,601	1,458,307	940,779	
12/31/2008	7,291,234	8,307,790	10,227,294	8,828,377	5,828,400	3,689,107	3,041,407	3,861,890	1,790,802	1,970,323	1,738,552		
12/31/2009	8,051,238	11,417,507	11,705,561	8,767,000	6,000,974	4,411,147	5,246,236	2,330,533	2,907,952	2,535,421			
12/31/2010	8,109,973	10,817,720	11,131,724	6,710,671	5,199,466	3,824,732	2,010,464	2,730,842	667,222				
12/31/2011	6,879,073	7,307,682	6,343,582	4,772,720	5,112,176	4,451,439	2,213,345	1,727,303					
12/31/2012	6,120,031	7,101,903	7,489,604	8,160,700	4,085,098	1,838,962	2,307,827						
12/31/2013	6,912,522	6,063,883	8,444,184	5,849,316	2,712,331	1,846,124							
12/31/2014	6,049,946	6,810,165	6,166,275	4,299,363	4,013,212								
12/31/2015	5,680,746	6,703,596	6,275,949	5,335,831									
12/31/2016	7,112,175	8,577,337	9,018,691										
12/31/2017	5,637,419	8,769,199											
12/31/2018	8,185,578												

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
12/31/2000	0.0318	0.0528	0.0665	0.0524	0.0633	0.0828	0.0552	0.0244	0.0362	0.0262	0.0288	0.0014	-0.0014
12/31/2001	0.0467	0.0831	0.0792	0.0734	0.0786	0.0858	0.0570	0.0454	0.0283	0.0150	0.0112	0.0042	0.0033
12/31/2002	0.0586	0.0884	0.0745	0.0595	0.0435	0.0372	0.0334	0.0465	0.0243	0.0108	0.0186	0.0206	0.0077
12/31/2003	0.0510	0.0924	0.0695	0.0698	0.0635	0.0338	0.0406	0.0326	0.0312	0.0253	0.0274	0.0094	0.0150
12/31/2004	0.0424	0.0755	0.0787	0.0534	0.0539	0.0409	0.0508	0.0575	0.0423	0.0459	0.0481	0.0295	0.0114
12/31/2005	0.0604	0.0744	0.0775	0.0694	0.0791	0.0470	0.0584	0.0630	0.0510	0.0257	0.0144	0.0171	0.0054
12/31/2006	0.0502	0.0757	0.0745	0.0712	0.0626	0.0638	0.0374	0.0674	0.0298	0.0306	0.0148	0.0137	0.0023
12/31/2007	0.0462	0.0807	0.0640	0.0604	0.0626	0.0457	0.0493	0.0416	0.0372	0.0294	0.0146	0.0094	
12/31/2008	0.0655	0.0747	0.0919	0.0793	0.0524	0.0332	0.0273	0.0347	0.0161	0.0177	0.0156		
12/31/2009	0.0686	0.0973	0.0998	0.0747	0.0512	0.0376	0.0447	0.0199	0.0248	0.0216			
12/31/2010	0.0756	0.1008	0.1037	0.0625	0.0485	0.0356	0.0187	0.0254	0.0062				
12/31/2011	0.0700	0.0744	0.0645	0.0486	0.0520	0.0453	0.0225	0.0176					
12/31/2012	0.0677	0.0785	0.0828	0.0903	0.0452	0.0203	0.0255						
12/31/2013	0.0794	0.0696	0.0970	0.0672	0.0311	0.0212							
12/31/2014	0.0714	0.0803	0.0727	0.0507	0.0473								
12/31/2015	0.0592	0.0698	0.0654	0.0556									
12/31/2016	0.0741	0.0894	0.0940										
12/31/2017	0.0572	0.0890											
12/31/2018	0.0683												

Best 3/5	0.0663	0.0797	0.0832	0.0578	0.0470	0.0315	0.0251	0.0267	0.0235	0.0256	0.0150	0.0134	0.0082
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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>
12/31/2000	6,003,416	7,694,200	8,540,387	9,782,857	8,936,867	8,897,430	8,863,506	8,920,694	8,836,806	8,850,539	8,833,864
12/31/2001	6,260,753	7,848,737	9,034,285	9,404,968	9,288,761	9,587,373	9,634,966	9,522,079	9,567,040	9,533,919	9,582,339
12/31/2002	6,696,271	7,908,616	9,404,611	10,634,272	10,583,447	10,485,693	10,286,297	10,269,678	10,269,878	10,266,056	10,372,057
12/31/2003	4,782,122	6,687,613	9,196,607	9,807,545	10,308,788	10,219,039	10,002,339	9,896,156	9,909,334	9,994,371	9,875,435
12/31/2004	5,821,307	7,142,281	8,478,795	9,165,644	8,940,369	8,675,279	8,748,441	8,591,927	8,630,919	8,652,348	8,623,883
12/31/2005	6,275,659	6,705,396	8,319,484	8,467,644	8,356,855	8,298,491	8,286,624	8,325,497	8,218,377	8,197,246	8,197,097
12/31/2006	5,342,988	6,549,720	8,048,086	8,075,534	7,863,619	7,640,220	7,453,148	7,462,564	7,524,064	7,524,064	7,524,064
12/31/2007	5,244,230	6,049,992	7,468,913	7,396,881	7,612,806	7,498,295	7,345,838	7,123,450	7,013,841	7,028,838	7,028,838
12/31/2008	5,600,378	6,867,080	7,840,579	7,629,512	7,370,073	7,493,419	7,516,336	7,397,585	7,397,585	7,446,585	7,446,585
12/31/2009	6,388,755	7,181,784	8,749,415	8,868,186	8,773,672	8,765,522	8,693,925	8,717,681	8,721,240	8,721,240	8,716,679
12/31/2010	7,135,395	8,618,347	10,330,310	10,459,308	10,756,304	10,591,268	10,546,652	10,544,708	10,544,708	10,538,987	
12/31/2011	6,805,548	7,855,162	8,753,462	9,259,141	9,092,658	8,944,064	8,882,255	8,754,582	8,793,025		
12/31/2012	4,779,759	6,073,468	7,247,185	7,495,742	7,541,915	7,492,376	7,439,759	7,390,798			
12/31/2013	5,287,497	6,305,432	7,107,232	7,098,974	6,982,343	6,989,417	7,083,616				
12/31/2014	4,876,394	5,892,210	6,253,902	6,415,175	6,412,082	6,517,520					
12/31/2015	5,166,783	5,488,209	6,117,286	6,585,538	6,483,126						
12/31/2016	3,952,537	5,249,400	6,824,538	6,729,246							
12/31/2017	4,160,103	5,677,268	6,497,011								
12/31/2018	3,856,296	5,182,912									
12/31/2019	4,253,514										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/2000	8,930,364	8,856,009	8,892,304	8,928,804	8,918,552	8,898,802	9,023,802	8,993,802	9,043,802
12/31/2001	9,588,098	9,587,098	9,628,998	9,586,098	9,566,463	9,542,223	9,649,223	9,645,363	
12/31/2002	10,345,119	10,358,118	10,365,648	10,485,647	10,385,648	10,390,649	10,387,523		
12/31/2003	9,864,435	9,854,436	9,854,435	9,864,435	9,857,240	9,857,240			
12/31/2004	8,626,382	8,624,739	8,624,739	8,624,739	8,624,739				
12/31/2005	8,204,521	8,196,054	8,198,054	8,198,425					
12/31/2006	7,524,064	7,524,064	7,524,503						
12/31/2007	7,028,838	7,029,276							
12/31/2008	7,447,024								

LOCAL PRODUCTS (Subline Code 336)

FULL COVERAGE

MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

A.Y.E.	Link Ratios										
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/2000	1.282	1.110	1.145	0.914	0.996	0.996	1.006	0.991	1.002	0.998	1.011
12/31/2001	1.254	1.151	1.041	0.988	1.032	1.005	0.988	1.005	0.997	1.005	1.001
12/31/2002	1.181	1.189	1.131	0.995	0.991	0.981	0.998	1.000	1.000	1.010	0.997
12/31/2003	1.398	1.375	1.066	1.051	0.991	0.979	0.989	1.001	1.009	0.988	0.999
12/31/2004	1.227	1.187	1.081	0.975	0.970	1.008	0.982	1.005	1.002	0.997	1.000
12/31/2005	1.068	1.241	1.018	0.987	0.993	0.999	1.005	0.987	0.997	1.000	1.001
12/31/2006	1.226	1.229	1.003	0.974	0.972	0.976	1.001	1.008	1.000	1.000	1.000
12/31/2007	1.154	1.235	0.990	1.029	0.985	0.980	0.970	0.985	1.002	1.000	1.000
12/31/2008	1.226	1.142	0.973	0.966	1.017	1.003	0.984	1.000	1.007	1.000	1.000
12/31/2009	1.124	1.218	1.014	0.989	0.999	0.992	1.003	1.000	1.000	0.999	
12/31/2010	1.208	1.199	1.012	1.028	0.985	0.996	1.000	1.000	0.999		
12/31/2011	1.154	1.114	1.058	0.982	0.984	0.993	0.986	1.004			
12/31/2012	1.271	1.193	1.034	1.006	0.993	0.993	0.993				
12/31/2013	1.193	1.127	0.999	0.984	1.001	1.013					
12/31/2014	1.208	1.061	1.026	1.000	1.016						
12/31/2015	1.062	1.115	1.077	0.984							
12/31/2016	1.328	1.300	0.986								
12/31/2017	1.365	1.144									
12/31/2018	1.344										
3 Yr Mean	1.346	1.186	1.030	0.989	1.003	1.000	0.993	1.001	1.002	1.000	1.000
Best 3/5	1.293	1.129	1.020	0.989	0.993	0.994	0.993	1.000	1.001	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/2000	0.992	1.004	1.004	0.999	0.998	1.014	0.997	1.006			
12/31/2001	1.000	1.004	0.996	0.998	0.997	1.011	1.000	1.001 *			
12/31/2002	1.001	1.001	1.012	0.990	1.000	1.000	1.003 *	1.001 *			
12/31/2003	0.999	1.000	1.001	0.999	1.000	0.999 *	1.003 *	1.001 *			
12/31/2004	1.000	1.000	1.000	1.000	0.999 *	0.999 *	1.003 *	1.001 *			
12/31/2005	0.999	1.000	1.000								
12/31/2006	1.000	1.000									
12/31/2007	1.000										
3 Yr Mean	1.000	1.000	1.000	0.996	0.999 @	1.008 @	0.999 @	1.006 @			
Best 3/5	1.000	1.000	1.000	0.999	0.999 *	1.003 *	1.002 *	1.001 *			

A.Y.E.	Development From										
	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2015					0.993	0.994	0.993	1.000	1.001	1.000	1.000
12/31/2016				0.989	0.993	0.994	0.993	1.000	1.001	1.000	1.000
12/31/2017			1.020	0.989	0.993	0.994	0.993	1.000	1.001	1.000	1.000
12/31/2018		1.129	1.020	0.989	0.993	0.994	0.993	1.000	1.001	1.000	1.000
12/31/2019	1.293	1.129	1.020	0.989	0.993	0.994	0.993	1.000	1.001	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	1.000	1.000	1.000	0.999	0.999	1.003	1.002	1.001	1.001*	0.986
12/31/2016	1.000	1.000	1.000	0.999	0.999	1.003	1.002	1.001	1.001*	0.975
12/31/2017	1.000	1.000	1.000	0.999	0.999	1.003	1.002	1.001	1.001*	0.995
12/31/2018	1.000	1.000	1.000	0.999	0.999	1.003	1.002	1.001	1.001*	1.123
12/31/2019	1.000	1.000	1.000	0.999	0.999	1.003	1.002	1.001	1.001*	1.452

* Calculated Using Modified Bondy Method
 @ 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:

<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>
12/31/2000	307,947	522,538	548,144	470,582	495,582	487,426	483,426	484,426	484,426	483,426	518,426
12/31/2001	278,108	352,647	423,736	497,128	463,128	463,128	453,128	453,128	453,128	466,532	466,532
12/31/2002	396,353	421,131	375,361	483,852	474,098	435,359	435,358	435,358	435,358	435,358	435,358
12/31/2003	117,923	247,091	212,216	266,930	184,537	118,752	117,252	92,151	92,151	92,151	92,151
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	643,891	761,839	1,111,308	1,006,815	901,847	985,264	985,263	985,313	985,313	985,942	985,942
12/31/2006	418,771	865,598	844,642	721,113	743,571	743,014	743,014	743,014	743,014	743,014	743,014
12/31/2007	356,809	468,326	750,395	792,104	741,935	732,035	732,035	763,035	763,035	763,035	757,035
12/31/2008	526,684	422,912	537,374	427,853	351,603	368,464	367,964	367,964	367,964	367,964	367,964
12/31/2009	282,839	293,410	307,353	245,369	437,719	438,719	438,619	438,619	438,619	438,619	438,619
12/31/2010	430,140	332,606	295,973	283,473	289,473	289,473	289,473	283,473	283,473	283,473	
12/31/2011	423,952	633,662	867,478	857,128	864,628	848,229	934,729	934,729	934,774		
12/31/2012	326,481	435,311	376,201	400,369	485,565	489,369	489,369	489,369			
12/31/2013	380,760	640,789	672,182	828,320	844,087	843,635	843,635				
12/31/2014	912,269	928,506	883,658	1,154,421	1,104,421	1,088,421					
12/31/2015	406,162	569,654	628,440	714,804	724,134						
12/31/2016	303,321	438,584	585,396	573,416							
12/31/2017	372,726	934,827	856,443								
12/31/2018	382,104	499,796									
12/31/2019	326,762										

<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>
12/31/2000	501,526	502,027	568,361	557,345	563,467	562,509	558,508	539,171	539,271
12/31/2001	466,532	463,728	505,382	505,382	480,070	475,869	559,723	608,028	
12/31/2002	435,358	435,358	435,358	427,858	427,858	427,858	427,858		
12/31/2003	92,151	92,151	92,151	92,151	98,776	98,777			
12/31/2004	823,893	823,890	823,890	823,890	823,890				
12/31/2005	985,942	985,942	985,942	985,942					
12/31/2006	743,014	743,044	743,044						
12/31/2007	757,035	757,035							
12/31/2008	367,964								

LOCAL PRODUCTS (Subline Code 336)

DEDUCTIBLE

MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/2000	1.697	1.049	0.859	1.053	0.984	0.992	1.002	1.000	0.998	1.072	0.967
12/31/2001	1.268	1.202	1.173	0.932	1.000	0.978	1.000	1.000	1.030	1.000	1.000
12/31/2002	1.063	0.891	1.289	0.980	0.918	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	2.095	0.859	1.258	0.691	0.644	0.987	0.786	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	1.183	1.459	0.906	0.896	1.092	1.000	1.000	1.000	1.001	1.000	1.000
12/31/2006	2.067	0.976	0.854	1.031	0.999	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007	1.313	1.602	1.056	0.937	0.987	1.000	1.042	1.000	1.000	0.992	1.000
12/31/2008	0.803	1.271	0.796	0.822	1.048	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2009	1.037	1.048	0.798	1.784	1.002	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2010	0.773	0.890	0.958	1.021	1.000	1.000	0.979	1.000	1.000		
12/31/2011	1.495	1.369	0.988	1.009	0.981	1.102	1.000	1.000			
12/31/2012	1.333	0.864	1.064	1.213	1.008	1.000	1.000				
12/31/2013	1.683	1.049	1.232	1.019	0.999	1.000					
12/31/2014	1.018	0.952	1.306	0.957	0.986						
12/31/2015	1.403	1.103	1.137	1.013							
12/31/2016	1.446	1.335	0.980								
12/31/2017	2.508	0.916									
12/31/2018	1.308										
3 Yr Mean	1.754	1.118	1.141	0.996	0.998	1.034	0.993	1.000	1.000	0.997	1.000
Best 3/5	1.386	1.035	1.144	1.014	0.995	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/2000	1.001	1.132	0.981	1.011	0.998	0.993	0.965	1.000			
12/31/2001	0.994	1.090	1.000	0.950	0.991	1.176	1.086	0.999 *			
12/31/2002	1.000	1.000	0.983	1.000	1.000	1.000	0.999 *	0.999 *			
12/31/2003	1.000	1.000	1.000	1.072	1.000	0.999 *	0.999 *	0.999 *			
12/31/2004	1.000	1.000	1.000	1.000	1.004 *	0.999 *	0.999 *	0.999 *			
12/31/2005	1.000	1.000	1.000								
12/31/2006	1.000	1.000									
12/31/2007	1.000										
3 Yr Mean	1.000	1.000	1.000	1.024	0.997 @	1.056 @	1.026 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.004	0.999 *	0.999 *	0.999 *	0.999 *			

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
12/31/2015					0.995	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2016				1.014	0.995	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2017			1.144	1.014	0.995	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2018		1.035	1.144	1.014	0.995	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2019	1.386	1.035	1.144	1.014	0.995	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	1.000	1.000	1.000	1.004	0.999	0.999	0.999	0.999	0.996*	0.991
12/31/2016	1.000	1.000	1.000	1.004	0.999	0.999	0.999	0.999	0.996*	1.005
12/31/2017	1.000	1.000	1.000	1.004	0.999	0.999	0.999	0.999	0.996*	1.150
12/31/2018	1.000	1.000	1.000	1.004	0.999	0.999	0.999	0.999	0.996*	1.190
12/31/2019	1.000	1.000	1.000	1.004	0.999	0.999	0.999	0.999	0.996*	1.649

* Calculated Using Modified Bondy Method

@ 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>
12/31/2000	1,131,849	1,400,201	2,240,526	3,231,862	3,863,672	4,206,592	4,344,330	4,289,178	4,329,825	4,348,017	4,373,688
12/31/2001	942,209	2,072,218	3,377,804	4,189,273	5,283,324	5,781,399	6,685,071	6,936,612	7,190,058	7,026,753	7,182,918
12/31/2002	1,608,961	2,432,521	3,826,509	4,547,256	5,574,678	5,886,447	5,988,246	6,127,049	6,189,230	6,192,745	6,290,891
12/31/2003	762,796	1,485,120	2,395,478	3,176,526	3,894,564	4,266,721	4,444,875	4,422,992	4,432,240	4,467,487	4,541,454
12/31/2004	675,101	1,384,608	2,393,263	3,058,319	3,592,868	3,799,839	3,942,544	4,084,637	4,082,579	4,081,794	4,082,539
12/31/2005	531,171	1,207,709	2,207,865	2,754,662	3,907,775	3,209,845	3,325,677	3,335,600	3,331,829	3,312,642	3,312,672
12/31/2006	688,622	1,624,474	2,788,646	4,041,666	4,805,739	5,148,267	5,256,508	5,213,624	5,246,934	5,242,255	5,242,255
12/31/2007	687,392	1,431,301	2,654,801	3,204,983	3,946,498	4,202,656	4,425,833	4,264,886	4,303,146	4,299,025	4,301,161
12/31/2008	539,707	1,264,615	2,784,426	3,416,738	3,605,399	3,718,771	3,791,843	3,824,797	3,839,071	3,843,111	3,843,111
12/31/2009	588,473	1,479,393	3,271,524	3,300,016	3,922,061	3,904,084	3,920,311	3,933,927	3,932,082	3,942,412	3,942,273
12/31/2010	916,636	1,867,954	3,291,235	4,656,602	5,803,233	5,914,912	5,849,439	5,856,848	5,881,357	5,890,090	
12/31/2011	713,045	1,329,507	2,597,391	3,791,622	4,405,785	4,750,481	4,901,344	4,913,420	4,943,471		
12/31/2012	566,672	1,513,920	3,412,598	4,352,187	4,872,256	5,310,106	5,433,542	5,478,119			
12/31/2013	938,076	2,038,501	3,313,819	4,364,451	4,996,963	5,421,240	5,643,573				
12/31/2014	745,739	1,428,827	2,250,456	2,706,437	2,944,564	3,077,168					
12/31/2015	509,012	1,013,310	1,752,123	2,508,921	2,774,959						
12/31/2016	461,711	1,149,082	2,131,459	2,562,723							
12/31/2017	529,548	1,498,409	2,557,150								
12/31/2018	642,024	967,793									
12/31/2019	500,959										

<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>
12/31/2000	4,772,993	4,537,852	4,607,969	4,660,708	4,722,899	4,746,152	4,789,530	4,833,712	4,952,630
12/31/2001	7,288,052	7,456,862	7,567,089	7,710,108	7,894,019	8,031,200	8,090,273	8,129,172	
12/31/2002	6,343,584	6,407,343	6,413,166	6,678,224	6,449,696	6,462,197	6,465,587		
12/31/2003	4,521,744	4,521,744	4,519,637	4,569,637	4,561,874	4,558,204			
12/31/2004	4,079,739	4,102,406	4,099,285	4,099,613	4,099,613				
12/31/2005	3,312,672	3,343,119	3,366,180	3,366,568					
12/31/2006	5,242,255	5,242,395	5,242,833						
12/31/2007	4,300,228	4,304,983							
12/31/2008	3,843,472								

LOCAL PRODUCTS (Subline Code 336)
 FULL COVERAGE
 MULTISTATE
 BODILY INJURY - OCCURRENCE
 INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

	Increments													
A.Y.E	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>	
12/31/2000	268,352	840,325	991,336	631,810	342,920	137,738	-55,152	40,647	18,192	25,671	399,305	-235,141	70,117	
12/31/2001	1,130,009	1,305,586	811,469	1,094,051	498,075	903,672	251,541	253,446	-163,305	156,165	105,134	168,810	110,227	
12/31/2002	823,560	1,393,988	720,747	1,027,422	311,769	101,799	138,803	62,181	3,515	98,146	52,693	63,759	5,823	
12/31/2003	722,324	910,358	781,048	718,038	372,157	178,154	-21,883	9,248	35,247	73,967	-19,710	0	-2,107	
12/31/2004	709,507	1,008,655	665,056	534,549	206,971	142,705	142,093	-2,058	-785	745	-2,800	22,667	-3,121	
12/31/2005	676,538	1,000,156	546,797	1,153,113	-697,930	115,832	9,923	-3,771	-19,187	30	0	30,447	23,061	
12/31/2006	935,852	1,164,172	1,253,020	764,073	342,528	108,241	-42,884	33,310	-4,679	0	0	140	438	
12/31/2007	743,909	1,223,500	550,182	741,515	256,158	223,177	-160,947	38,260	-4,121	2,136	-933	4,755		
12/31/2008	724,908	1,519,811	632,312	188,661	113,372	73,072	32,954	14,274	4,040	0	361			
12/31/2009	890,920	1,792,131	28,492	622,045	-17,977	16,227	13,616	-1,845	10,330	-139				
12/31/2010	951,318	1,423,281	1,365,367	1,146,631	111,679	-65,473	7,409	24,509	8,733					
12/31/2011	616,462	1,267,884	1,194,231	614,163	344,696	150,863	12,076	30,051						
12/31/2012	947,248	1,898,678	939,589	520,069	437,850	123,436	44,577							
12/31/2013	1,100,425	1,275,318	1,050,632	632,512	424,277	222,333								
12/31/2014	683,088	821,629	455,981	238,127	132,604									
12/31/2015	504,298	738,813	756,798	266,038										
12/31/2016	687,371	982,377	431,264											
12/31/2017	968,861	1,058,741												
12/31/2018	325,769													

	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	
12/31/2000	0.0204	0.0638	0.0753	0.0480	0.0260	0.0105	-0.0042	0.0031	0.0014	0.0019	0.0303	-0.0179	0.0053	
12/31/2001	0.0829	0.0958	0.0596	0.0803	0.0366	0.0663	0.0185	0.0186	-0.0120	0.0115	0.0077	0.0124	0.0081	
12/31/2002	0.0491	0.0832	0.0430	0.0613	0.0186	0.0061	0.0083	0.0037	0.0002	0.0059	0.0031	0.0038	0.0003	
12/31/2003	0.0437	0.0551	0.0473	0.0435	0.0225	0.0108	-0.0013	0.0006	0.0021	0.0045	-0.0012	0.0000	-0.0001	
12/31/2004	0.0586	0.0834	0.0550	0.0442	0.0171	0.0118	0.0117	-0.0002	-0.0001	0.0001	-0.0002	0.0019	-0.0003	
12/31/2005	0.0523	0.0774	0.0423	0.0892	-0.0540	0.0090	0.0008	-0.0003	-0.0015	0.0000	0.0000	0.0024	0.0018	
12/31/2006	0.0765	0.0951	0.1024	0.0624	0.0280	0.0088	-0.0035	0.0027	-0.0004	0.0000	0.0000	0.0000	0.0000	
12/31/2007	0.0577	0.0950	0.0427	0.0575	0.0199	0.0173	-0.0125	0.0030	-0.0003	0.0002	-0.0001	0.0004		
12/31/2008	0.0579	0.1215	0.0505	0.0151	0.0091	0.0058	0.0026	0.0011	0.0003	0.0000	0.0000			
12/31/2009	0.0692	0.1391	0.0022	0.0483	-0.0014	0.0013	0.0011	-0.0001	0.0008	0.0000				
12/31/2010	0.0627	0.0938	0.0900	0.0755	0.0074	-0.0043	0.0005	0.0016	0.0006					
12/31/2011	0.0432	0.0888	0.0837	0.0430	0.0242	0.0106	0.0008	0.0021						
12/31/2012	0.0792	0.1587	0.0785	0.0435	0.0366	0.0103	0.0037							
12/31/2013	0.1006	0.1166	0.0960	0.0578	0.0388	0.0203								
12/31/2014	0.0670	0.0805	0.0447	0.0233	0.0130									
12/31/2015	0.0449	0.0657	0.0673	0.0237										
12/31/2016	0.0595	0.0850	0.0373											
12/31/2017	0.0734	0.0802												
12/31/2018	0.0367													

Best 3/5	0.0571	0.0819	0.0635	0.0367	0.0246	0.0074	0.0015	0.0016	0.0002	0.0000	0.0000	0.0008	0.0001
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LOCAL PRODUCTS (Subline Code 336)
FULL COVERAGE
MULTISTATE
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR 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>
12/31/2000	1.011	1.013	1.005	1.009	1.009	1.025	1.017 *
12/31/2001	1.019	1.024	1.017	1.007	1.005	1.004 *	1.017 *
12/31/2002	1.041	0.966	1.002	1.001	1.004 *	1.004 *	1.017 *
12/31/2003	1.011	0.998	0.999	1.002 *	1.004 *	1.004 *	1.017 *
12/31/2004	1.000	1.000	1.002 *	1.002 *	1.004 *	1.004 *	1.017 *
12/31/2005	1.000						
Best 3/5	1.010	1.004	1.003 *	1.004 *	1.004 *	1.004 *	1.017 *

171 to Ultimate Factor: 1.047

<u>Months-to-Ultimate</u>	Cumulative Incremental Factors						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.275	0.218	0.136	0.073	0.036	0.012	0.004
<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>
	0.003	0.001	0.001	0.001	0.001	0.000	0.000

A.Y.E	Reported ALAE as of 3/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2017	2,565,024	14,768,601	0.136	2,008,528	4,573,552	1.047	4,788,333
12/31/2018	857,564	9,678,652	0.218	2,109,942	2,967,506	1.047	3,106,811
12/31/2019	405,819	11,343,408	0.275	3,119,435	3,525,254	1.047	3,690,795

* Calculated Using Modified Bondy Method

LOCAL PRODUCTS (Subline Code 336)
FULL COVERAGE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/2000	1,979,021	2,123,855	2,322,833	2,383,466	2,572,429	2,821,102	2,678,515	2,698,991	2,861,667	2,940,850	2,948,766
12/31/2001	1,690,800	1,710,622	1,883,656	1,836,606	1,823,685	1,875,719	2,042,494	2,215,070	2,222,796	2,275,452	2,283,598
12/31/2002	1,545,331	1,723,512	1,881,726	1,891,368	1,831,432	1,858,706	1,917,454	1,932,893	1,983,512	1,993,634	2,058,019
12/31/2003	1,302,387	1,900,765	2,164,538	2,174,006	2,458,659	2,459,501	2,496,685	2,510,751	2,515,897	2,556,537	2,567,340
12/31/2004	2,177,590	2,421,117	2,474,092	2,423,379	2,488,686	2,475,264	2,423,782	2,452,374	2,473,223	2,481,706	2,476,673
12/31/2005	2,847,520	3,092,426	3,300,985	3,391,854	3,447,498	3,329,310	3,342,666	3,389,154	3,398,524	3,392,234	3,392,512
12/31/2006	2,980,032	3,461,870	3,553,852	3,582,681	3,602,431	3,751,135	3,759,890	3,940,598	3,988,027	4,044,823	4,057,897
12/31/2007	2,813,559	2,673,331	2,702,793	3,032,508	3,308,427	3,277,730	3,460,175	3,437,776	3,430,036	3,403,247	3,411,959
12/31/2008	3,535,871	3,789,446	3,933,771	4,140,245	4,242,434	4,489,983	4,745,939	5,100,677	5,342,819	5,397,764	5,364,809
12/31/2009	3,522,652	3,732,008	3,749,930	3,778,743	3,762,216	3,988,693	3,998,527	4,143,899	4,209,149	4,238,790	4,272,576
12/31/2010	4,462,580	4,629,741	4,894,520	4,871,295	4,474,935	4,712,497	4,713,698	4,648,658	4,667,677	4,698,535	
12/31/2011	4,166,621	4,394,898	4,708,627	4,648,869	4,756,256	4,911,173	4,868,274	4,944,991	4,954,409		
12/31/2012	3,868,631	3,908,423	3,783,764	3,703,091	3,860,455	3,877,687	3,929,302	3,999,632			
12/31/2013	3,494,925	3,510,765	4,060,124	3,926,765	3,952,753	4,032,393	4,049,481				
12/31/2014	3,304,373	3,614,937	3,535,120	3,733,461	3,702,850	3,766,844					
12/31/2015	4,489,757	4,677,943	5,397,218	5,412,900	5,364,801						
12/31/2016	4,321,088	4,390,223	4,762,762	4,919,363							
12/31/2017	4,192,201	4,304,532	4,527,340								
12/31/2018	4,843,943	4,635,133									
12/31/2019	4,933,819										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2000	2,955,411	2,948,659	2,952,158	2,945,156	2,945,155	2,943,155	2,943,155	2,943,155	2,943,155
12/31/2001	2,270,987	2,228,316	2,233,810	2,234,989	2,246,996	2,246,996	2,246,995	2,246,995	
12/31/2002	2,039,915	2,105,557	2,112,432	2,121,032	2,138,325	2,137,075	2,137,075		
12/31/2003	2,607,397	2,589,683	2,575,933	2,598,428	2,598,428	2,592,678			
12/31/2004	2,451,895	2,458,673	2,571,165	2,556,165	2,659,665				
12/31/2005	3,386,412	3,372,171	3,372,171	3,472,949					
12/31/2006	4,110,417	4,070,273	4,152,578						
12/31/2007	3,413,961	3,426,461							
12/31/2008	5,413,336								

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.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/2000	1.073	1.094	1.026	1.079	1.097	0.949	1.008	1.060	1.028	1.003	1.002
12/31/2001	1.012	1.101	0.975	0.993	1.029	1.089	1.084	1.003	1.024	1.004	0.994
12/31/2002	1.115	1.092	1.005	0.968	1.015	1.032	1.008	1.026	1.005	1.032	0.991
12/31/2003	1.459	1.139	1.004	1.131	1.000	1.015	1.006	1.002	1.016	1.004	1.016
12/31/2004	1.112	1.022	0.980	1.027	0.995	0.979	1.012	1.009	1.003	0.998	0.990
12/31/2005	1.086	1.067	1.028	1.016	0.966	1.004	1.014	1.003	0.998	1.000	0.998
12/31/2006	1.162	1.027	1.008	1.006	1.041	1.002	1.048	1.012	1.014	1.003	1.013
12/31/2007	0.950	1.011	1.122	1.091	0.991	1.056	0.994	0.998	0.992	1.003	1.001
12/31/2008	1.072	1.038	1.052	1.025	1.058	1.057	1.075	1.047	1.010	0.994	1.009
12/31/2009	1.059	1.005	1.008	0.996	1.060	1.002	1.036	1.016	1.007	1.008	
12/31/2010	1.037	1.057	0.995	0.919	1.053	1.000	0.986	1.004	1.007		
12/31/2011	1.055	1.071	0.987	1.023	1.033	0.991	1.016	1.002			
12/31/2012	1.010	0.968	0.979	1.042	1.004	1.013	1.018				
12/31/2013	1.005	1.156	0.967	1.007	1.020	1.004					
12/31/2014	1.094	0.978	1.056	0.992	1.017						
12/31/2015	1.042	1.154	1.003	0.991							
12/31/2016	1.016	1.085	1.033								
12/31/2017	1.027	1.052									
12/31/2018	0.957										
3 Yr Mean	1.000	1.097	1.031	0.997	1.014	1.003	1.007	1.007	1.008	1.002	1.008
Best 3/5	1.028	1.097	1.005	1.007	1.023	1.002	1.023	1.007	1.008	1.002	1.003

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/2000	0.998	1.001	0.998	1.000	0.999	1.000	1.000	1.000			
12/31/2001	0.981	1.002	1.001	1.005	1.000	1.000	1.000	1.000 *			
12/31/2002	1.032	1.003	1.004	1.008	0.999	1.000	1.000 *	1.000 *			
12/31/2003	0.993	0.995	1.009	1.000	0.998	0.999 *	1.000 *	1.000 *			
12/31/2004	1.003	1.046	0.994	1.040	1.003 *	0.999 *	1.000 *	1.000 *			
12/31/2005	0.996	1.000	1.030								
12/31/2006	0.990	1.020									
12/31/2007	1.004										
3 Yr Mean	0.997	1.022	1.011	1.016	0.999 @	1.000 @	1.000 @	1.000 @			
Best 3/5	0.997	1.008	1.005	1.004	0.999 *	1.000 *	1.000 *	1.000 *			

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
12/31/2015					1.023	1.002	1.023	1.007	1.008	1.002	1.003
12/31/2016				1.007	1.023	1.002	1.023	1.007	1.008	1.002	1.003
12/31/2017			1.005	1.007	1.023	1.002	1.023	1.007	1.008	1.002	1.003
12/31/2018		1.097	1.005	1.007	1.023	1.002	1.023	1.007	1.008	1.002	1.003
12/31/2019	1.028	1.097	1.005	1.007	1.023	1.002	1.023	1.007	1.008	1.002	1.003

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	0.997	1.008	1.005	1.004	0.999	1.000	1.000	1.000	1.000*	1.084
12/31/2016	0.997	1.008	1.005	1.004	0.999	1.000	1.000	1.000	1.000*	1.091
12/31/2017	0.997	1.008	1.005	1.004	0.999	1.000	1.000	1.000	1.000*	1.097
12/31/2018	0.997	1.008	1.005	1.004	0.999	1.000	1.000	1.000	1.000*	1.203
12/31/2019	0.997	1.008	1.005	1.004	0.999	1.000	1.000	1.000	1.000*	1.237

* Calculated Using Modified Bondy Method
 @ 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:

<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>
12/31/2000	150,416	248,134	188,848	196,780	189,280	253,280	237,878	257,878	215,285	215,285	215,285
12/31/2001	208,337	185,152	211,162	225,824	225,824	216,726	265,726	270,726	265,727	267,726	365,726
12/31/2002	119,421	133,880	171,299	184,812	251,892	369,610	483,705	465,706	502,946	539,631	567,026
12/31/2003	286,617	257,949	283,776	398,386	518,958	600,492	644,606	716,722	797,706	987,310	1,083,780
12/31/2004	267,359	144,698	230,232	354,867	441,630	632,353	616,235	904,464	1,008,422	1,087,637	1,296,374
12/31/2005	171,817	242,035	293,014	372,892	413,788	517,693	577,501	578,079	622,969	1,071,187	1,185,448
12/31/2006	278,671	268,222	382,330	527,781	647,562	746,113	720,042	744,136	932,230	1,066,447	970,261
12/31/2007	336,059	547,823	574,771	515,905	485,339	476,360	480,227	577,227	574,377	571,155	571,155
12/31/2008	294,367	208,042	336,788	335,305	346,805	344,805	444,805	444,805	438,306	458,306	528,306
12/31/2009	177,301	176,935	144,535	143,435	143,535	250,348	250,248	350,248	350,248	350,248	350,248
12/31/2010	263,109	264,778	262,233	266,329	360,329	360,329	360,329	360,329	360,329	360,329	
12/31/2011	279,719	308,640	282,139	296,139	274,228	284,228	276,228	276,228	286,228		
12/31/2012	221,924	228,813	235,978	243,875	230,235	255,235	260,249	263,284			
12/31/2013	362,731	391,760	385,395	549,395	552,495	602,495	607,496				
12/31/2014	279,766	411,762	396,630	500,830	475,830	516,830					
12/31/2015	637,381	580,572	568,948	590,847	591,559						
12/31/2016	880,019	1,015,214	1,046,297	1,102,137							
12/31/2017	788,978	981,935	1,073,604								
12/31/2018	1,165,353	1,481,841									
12/31/2019	1,133,158										

<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>
12/31/2000	215,285	215,285	215,285	215,285	215,285	215,285	215,285	215,285	215,285
12/31/2001	365,727	365,726	365,726	365,726	365,726	365,726	365,726	365,726	
12/31/2002	566,252	561,006	561,362	567,567	567,567	580,067	580,067		
12/31/2003	1,277,599	1,297,971	1,219,581	1,168,724	1,170,415	1,162,641			
12/31/2004	1,288,735	1,183,053	1,176,984	1,176,939	1,169,117				
12/31/2005	1,174,440	1,184,550	1,153,446	1,143,652					
12/31/2006	943,991	917,548	912,644						
12/31/2007	571,155	571,155							
12/31/2008	528,306								

LOCAL PRODUCTS (Subline Code 336)

DEDUCTIBLE

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
12/31/2000	1.650	0.761	1.042	0.962	1.338	0.939	1.084	0.835	1.000	1.000	1.000
12/31/2001	0.889	1.140	1.069	1.000	0.960	1.226	1.019	0.982	1.008	1.366	1.000
12/31/2002	1.121	1.279	1.079	1.363	1.467	1.309	0.963	1.080	1.073	1.051	0.999
12/31/2003	0.900	1.100	1.404	1.303	1.157	1.073	1.112	1.113	1.238	1.098	1.179
12/31/2004	0.541	1.591	1.541	1.244	1.432	0.975	1.468	1.115	1.079	1.192	0.994
12/31/2005	1.409	1.211	1.273	1.110	1.251	1.116	1.001	1.078	1.719	1.107	0.991
12/31/2006	0.963	1.425	1.380	1.227	1.152	0.965	1.033	1.253	1.144	0.910	0.973
12/31/2007	1.630	1.049	0.898	0.941	0.981	1.008	1.202	0.995	0.994	1.000	1.000
12/31/2008	0.707	1.619	0.996	1.034	0.994	1.290	1.000	0.985	1.046	1.153	1.000
12/31/2009	0.998	0.817	0.992	1.001	1.744	1.000	1.400	1.000	1.000	1.000	
12/31/2010	1.006	0.990	1.016	1.353	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	1.031	1.031	1.033	0.944	1.109	1.020	1.012				
12/31/2013	1.080	0.984	1.426	1.006	1.090	1.008					
12/31/2014	1.472	0.963	1.263	0.950	1.086						
12/31/2015	0.911	0.980	1.038	1.001							
12/31/2016	1.154	1.031	1.053								
12/31/2017	1.245	1.093									
12/31/2018	1.272										

3 Yr Mean	1.224	1.035	1.118	0.986	1.095	1.000	1.004	1.012	1.015	1.051	0.991
Best 3/5	1.224	0.998	1.118	0.965	1.071	1.003	1.004	0.998	1.015	1.036	0.995

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *			
12/31/2002	0.991	1.001	1.011	1.000	1.022	1.000	1.000 *	1.000 *			
12/31/2003	1.016	0.940	0.958	1.001	0.993	1.000 *	1.000 *	1.000 *			
12/31/2004	0.918	0.995	1.000	0.993	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2005	1.009	0.974	0.992								
12/31/2006	0.972	0.995									
12/31/2007	1.000										
3 Yr Mean	0.994	0.988	0.983	0.998	1.005 @	1.000 @	1.000 @	1.000 @			
Best 3/5	0.994	0.988	0.997	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

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
12/31/2015					1.071	1.003	1.004	0.998	1.015	1.036	0.995
12/31/2016				0.965	1.071	1.003	1.004	0.998	1.015	1.036	0.995
12/31/2017			1.118	0.965	1.071	1.003	1.004	0.998	1.015	1.036	0.995
12/31/2018		0.998	1.118	0.965	1.071	1.003	1.004	0.998	1.015	1.036	0.995
12/31/2019	1.224	0.998	1.118	0.965	1.071	1.003	1.004	0.998	1.015	1.036	0.995

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	0.994	0.988	0.997	1.000	1.000	1.000	1.000	1.000	1.000*	1.103
12/31/2016	0.994	0.988	0.997	1.000	1.000	1.000	1.000	1.000	1.000*	1.064
12/31/2017	0.994	0.988	0.997	1.000	1.000	1.000	1.000	1.000	1.000*	1.190
12/31/2018	0.994	0.988	0.997	1.000	1.000	1.000	1.000	1.000	1.000*	1.187
12/31/2019	0.994	0.988	0.997	1.000	1.000	1.000	1.000	1.000	1.000*	1.453

* Calculated Using Modified Bondy Method

@ 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>
12/31/2000	279,819	388,097	589,602	775,365	998,351	1,254,217	1,654,752	1,851,255	2,011,274	2,310,716	2,481,210
12/31/2001	215,738	308,467	469,736	656,361	784,297	999,648	1,421,275	1,738,245	1,688,394	1,891,637	2,007,556
12/31/2002	181,573	332,739	512,689	795,275	854,493	953,878	1,032,434	1,057,225	1,057,229	1,254,568	1,444,891
12/31/2003	62,113	673,928	986,248	1,145,258	1,296,947	1,333,752	1,347,383	1,434,604	1,508,049	1,609,966	1,692,096
12/31/2004	167,304	314,888	482,539	677,641	801,286	925,051	944,998	966,412	997,834	1,006,015	1,031,018
12/31/2005	253,321	338,561	632,476	815,815	858,852	947,382	1,012,347	1,136,055	1,130,570	1,129,880	1,134,189
12/31/2006	141,892	367,185	646,668	951,651	1,241,182	1,587,941	1,669,712	1,979,757	2,027,633	2,117,573	2,116,057
12/31/2007	384,981	804,028	1,008,197	1,416,643	1,748,959	2,186,000	2,163,109	2,360,866	2,430,818	2,410,215	2,283,450
12/31/2008	375,947	895,734	1,301,046	2,069,175	2,925,796	5,153,566	7,655,073	9,078,856	9,064,144	8,468,156	7,970,187
12/31/2009	646,459	1,131,470	1,266,206	1,298,184	1,456,041	1,527,172	1,837,989	2,019,982	2,044,709	2,056,186	2,087,463
12/31/2010	231,962	417,432	737,016	1,095,412	1,201,636	1,364,842	1,570,725	1,721,918	1,747,732	2,030,546	
12/31/2011	404,096	751,172	1,137,129	1,524,581	1,843,722	1,855,420	1,883,030	2,003,171	2,114,053		
12/31/2012	246,334	535,995	894,454	1,020,247	1,208,393	1,387,308	1,498,678	1,596,132			
12/31/2013	411,087	533,996	762,343	979,746	1,202,895	1,395,737	1,552,572				
12/31/2014	203,408	512,565	749,356	964,341	1,201,024	1,228,459					
12/31/2015	425,779	856,185	1,211,097	1,487,209	1,652,390						
12/31/2016	316,772	603,887	931,724	1,493,968							
12/31/2017	440,786	715,435	1,843,413								
12/31/2018	446,169	796,849									
12/31/2019	326,323										

<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>
12/31/2000	2,630,585	2,743,286	2,808,796	2,755,606	2,780,142	2,805,142	2,799,607	2,799,803	2,812,303
12/31/2001	2,119,139	2,206,331	2,234,201	2,323,812	2,550,301	2,550,301	2,550,301	2,556,551	
12/31/2002	1,536,782	1,809,404	1,968,246	1,999,233	1,998,958	1,998,958	2,011,458		
12/31/2003	1,752,376	1,771,643	1,794,925	1,838,866	1,838,866	1,830,238			
12/31/2004	1,026,037	1,032,979	1,062,707	1,062,707	1,227,041				
12/31/2005	1,311,190	1,187,022	1,198,614	1,712,913					
12/31/2006	2,279,826	2,320,650	2,419,882						
12/31/2007	2,284,334	2,250,445							
12/31/2008	7,336,754								

LOCAL PRODUCTS (Subline Code 336)
FULL COVERAGE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR 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>
12/31/2000	108,278	201,505	185,763	222,986	255,866	400,535	196,503	160,019	299,442	170,494	149,375	112,701	65,510
12/31/2001	92,729	161,269	186,625	127,936	215,351	421,627	316,970	-49,851	203,243	115,919	111,583	87,192	27,870
12/31/2002	151,166	179,950	282,586	59,218	99,385	78,556	24,791	4	197,339	190,323	91,891	272,622	158,842
12/31/2003	611,815	312,320	159,010	151,689	36,805	13,631	87,221	73,445	101,917	82,130	60,280	19,267	23,282
12/31/2004	147,584	167,651	195,102	123,645	123,765	19,947	21,414	31,422	8,181	25,003	-4,981	6,942	29,728
12/31/2005	85,240	293,915	183,339	43,037	88,530	64,965	123,708	-5,485	-690	4,309	177,001	-124,168	11,592
12/31/2006	225,293	279,483	304,983	289,531	346,759	81,771	310,045	47,876	89,940	-1,516	163,769	40,824	99,232
12/31/2007	419,047	204,169	408,446	332,316	437,041	-22,891	197,757	69,952	-20,603	-126,765	884	-33,889	
12/31/2008	519,787	405,312	768,129	856,621	2,227,770	2,501,507	1,423,783	-14,712	-595,988	-497,969	-633,433		
12/31/2009	485,011	134,736	31,978	157,857	71,131	310,817	181,993	24,727	11,477	31,277			
12/31/2010	185,470	319,584	358,396	106,224	163,206	205,883	151,193	25,814	282,814				
12/31/2011	347,076	385,957	387,452	319,141	11,698	27,610	120,141	110,882					
12/31/2012	289,661	358,459	125,793	188,146	178,915	111,370	97,454						
12/31/2013	122,909	228,347	217,403	223,149	192,842	156,835							
12/31/2014	309,157	236,791	214,985	236,683	27,435								
12/31/2015	430,406	354,912	276,112	165,181									
12/31/2016	287,115	327,837	562,244										
12/31/2017	274,649	1,127,978											
12/31/2018	350,680												

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>
12/31/2000	0.0313	0.0582	0.0537	0.0645	0.0740	0.1158	0.0568	0.0463	0.0866	0.0493	0.0432	0.0326	0.0189
12/31/2001	0.0303	0.0526	0.0609	0.0417	0.0703	0.1375	0.1034	-0.0163	0.0663	0.0378	0.0364	0.0284	0.0091
12/31/2002	0.0707	0.0842	0.1322	0.0277	0.0465	0.0368	0.0116	0.0000	0.0923	0.0891	0.0430	0.1276	0.0743
12/31/2003	0.2234	0.1140	0.0581	0.0554	0.0134	0.0050	0.0318	0.0268	0.0372	0.0300	0.0220	0.0070	0.0085
12/31/2004	0.0483	0.0549	0.0639	0.0405	0.0405	0.0065	0.0070	0.0103	0.0027	0.0082	-0.0016	0.0023	0.0097
12/31/2005	0.0211	0.0727	0.0453	0.0106	0.0219	0.0161	0.0306	-0.0014	-0.0002	0.0011	0.0438	-0.0307	0.0029
12/31/2006	0.0454	0.0564	0.0615	0.0584	0.0699	0.0165	0.0625	0.0097	0.0181	-0.0003	0.0330	0.0082	0.0200
12/31/2007	0.0884	0.0431	0.0862	0.0701	0.0922	-0.0048	0.0417	0.0148	-0.0043	-0.0267	0.0002	-0.0071	
12/31/2008	0.0854	0.0666	0.1262	0.1407	0.3660	0.4110	0.2339	-0.0024	-0.0979	-0.0818	-0.1041		
12/31/2009	0.1063	0.0295	0.0070	0.0346	0.0156	0.0681	0.0399	0.0054	0.0025	0.0069			
12/31/2010	0.0348	0.0599	0.0672	0.0199	0.0306	0.0386	0.0284	0.0048	0.0530				
12/31/2011	0.0584	0.0650	0.0652	0.0537	0.0020	0.0046	0.0202	0.0187					
12/31/2012	0.0628	0.0777	0.0273	0.0408	0.0388	0.0242	0.0211						
12/31/2013	0.0255	0.0473	0.0451	0.0463	0.0400	0.0325							
12/31/2014	0.0565	0.0433	0.0393	0.0433	0.0050								
12/31/2015	0.0547	0.0451	0.0351	0.0210									
12/31/2016	0.0481	0.0550	0.0943										
12/31/2017	0.0415	0.1706											
12/31/2018	0.0545												

Best 3/5	0.0525	0.0491	0.0398	0.0435	0.0248	0.0318	0.0298	0.0083	0.0054	-0.0087	0.0105	0.0007	0.0127
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LOCAL PRODUCTS (Subline Code 336)
FULL COVERAGE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

<u>A.Y.E.</u>	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>
12/31/2000	0.981	1.009	1.009	0.998	1.000	1.004	1.000 *
12/31/2001	1.040	1.097	1.000	1.000	1.002	1.000 *	1.000 *
12/31/2002	1.016	1.000	1.000	1.006	1.000 *	1.000 *	1.000 *
12/31/2003	1.024	1.000	0.995	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2004	1.000	1.155	1.035 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2005	1.429						
Best 3/5	1.027	1.035	1.003 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.066

<u>Months-to-Ultimate</u>	Cumulative Incremental Factors						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.300	0.248	0.199	0.159	0.115	0.091	0.059
<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>
	0.029	0.021	0.015	0.024	0.013	0.013	0.000

<u>A.Y.E</u>	Reported ALAE <u>as of 3/31/20</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>
12/31/2017	2,020,379	7,256,679	0.199	1,444,084	3,464,463	1.066	3,692,975
12/31/2018	885,566	7,007,644	0.248	1,737,898	2,623,464	1.066	2,796,465
12/31/2019	343,580	8,931,587	0.300	2,679,492	3,023,072	1.066	3,222,446

* Calculated Using Modified Bondy Method

Multistate Review of ULAE Experience
General Liability Including CMP Liability
Loss Adjustment Expense Special Call
Calendar Years 2015- 2019

<u>Item *</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2015 - 2019 Mean</u>
1. Direct Losses Incurred	\$24,958,455	\$25,388,567	\$22,632,160	\$26,519,433	\$28,416,595	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$6,032,038	\$4,939,134	\$5,935,928	\$5,781,764	\$5,750,906	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$2,454,825	\$2,540,806	\$2,332,466	\$2,282,751	\$2,814,839	
4. Incurred Losses + ALAE [(1) + (2)]	\$30,990,493	\$30,327,701	\$28,568,088	\$32,301,197	\$34,167,501	
	<u>Incurred Percentage</u>					
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	7.9%	8.4%	8.2%	7.1%	8.2%	8.0%
6. Selected	8.0%					

Notes: All dollar amounts are displayed in thousands.

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

LOCAL PRODUCTS / COMPLETED OPERATIONS TREND SUMMARY

(1) <u>EXPOSURE TREND</u>	<u>LOCAL PRODUCTS</u>	<u>COMPLETED OPERATIONS</u>	<u>LOCAL PRODUCTS / COMPLETED OPERATIONS COMBINED</u>
Average Annual Percent Change			
a) 7/1/2017 to 7/1/2022 AYE 12/31/2017	+ 0.9%	+ 1.6%	+ 1.5%
b) 7/1/2018 to 7/1/2022 AYE 12/31/2018	+ 0.8%	+ 1.1%	+ 1.1%
c) 7/1/2019 to 7/1/2022 AYE 12/31/2019	+ 0.7%	+ 0.6%	+ 0.6%
(2) <u>OCCURRENCE SEVERITY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>	
a) Fitted			
All Years	+ 6.4%	+ 4.8%	
Eight Years	+ 8.1%	+ 5.1%	
Six Years	+ 10.8%	+ 4.4%	
b) Selected	+ 5.0%	+ 4.5%	
(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 12/31/2017, 12/31/2018 & 12/31/2019

(1) YEAR ENDING QUARTER*			(2) LOCAL PRODUCTS CLASS GROUP SALES EXPOSURE INDICES			(3) COMPLETED OPERATIONS CLASS GROUP PAYROLL EXPOSURE INDICES			(1) YEAR ENDING QUARTER*			(2) LOCAL PRODUCTS CLASS GROUP SALES EXPOSURE INDICES			(3) COMPLETED OPERATIONS CLASS GROUP PAYROLL EXPOSURE INDICES		
2009	1		0.961			22.128			2016	1		1.030			25.313		
	2		0.966			22.349				2		1.030			25.481		
	3		0.969			22.502				3		1.029			25.735		
	4		0.968			22.653				4		1.030			25.943		
2010	1		0.964			22.806			2017	1		1.033			26.166		
	2		0.962			22.928				2		1.034			26.330		
	3		0.962			23.080				3		1.037			26.530		
	4		0.965			23.208				4		1.040			26.719		
2011	1		0.968			23.312			2018	1		1.043			26.958		
	2		0.973			23.427				2		1.047			27.208		
	3		0.978			23.556				3		1.051			27.441		
	4		0.982			23.638				4		1.054			27.728		
2012	1		0.986			23.715			2019	1		1.057			27.949		
	2		0.990			23.794				2		1.060			28.183		
	3		0.995			23.873				3		1.062			28.355		
	4		1.000			23.965				4		1.064			28.506		
2013	1		1.004			24.062			2020	1		1.065			28.691		
	2		1.006			24.140				2		1.059			28.816		
	3		1.008			24.167				3P		1.055			28.993		
	4		1.010			24.208				4P		1.052			28.953		
2014	1		1.012			24.299			2021	1P		1.050			28.873		
	2		1.016			24.405				2P		1.055			28.805		
	3		1.019			24.538				3P		1.058			28.682		
	4		1.022			24.663				4P		1.062			28.738		
2015	1		1.024			24.759			2022	1P		1.067			28.793		
	2		1.026			24.909				2P		1.074			28.845		
	3		1.027			25.013				3P		1.081			28.905		
	4		1.030			25.172				4P		1.088			28.981		
CHANGE IN EXPOSURES			LOCAL PRODUCTS			COMPLETED OPERATIONS											
7/1/2017 to 7/1/2022			(2022:4/2017:4)			1.046			1.085								
7/1/2018 to 7/1/2022			(2022:4/2018:4)			1.032			1.045								
7/1/2019 to 7/1/2022			(2022:4/2019:4)			1.022			1.017								
AVERAGE ANNUAL TREND FACTOR																	
7/1/2017 to 7/1/2022			(5.0 YRS)			1.009			1.016								
7/1/2018 to 7/1/2022			(4.0 YRS)			1.008			1.011								
7/1/2019 to 7/1/2022			(3.0 YRS)			1.007			1.006								

* 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 <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Paid <u>Occurrences</u>	(4) (2)/(3) Actual <u>Severity</u>	(5) Exponential Curve of <u>Best Fit to Col (4)</u>		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2010	\$45,801,992	1,582	\$28,952	\$25,645		
12/31/2011	39,821,092	1,460	27,275	27,280		
12/31/2012	41,732,779	1,400	29,809	29,020	\$27,040	
12/31/2013	43,131,925	1,476	29,222	30,870	29,224	
12/31/2014	34,246,327	1,253	27,331	32,838	31,585	\$29,190
12/31/2015	35,432,643	1,098	32,270	34,932	34,136	32,347
12/31/2016	36,258,182	956	37,927	37,159	36,893	35,847
12/31/2017	37,125,436	876	42,381	39,529	39,872	39,725
12/31/2018	35,687,982	779	45,813	42,049	43,093	44,022
12/31/2019	37,257,460	838	44,460	44,730	46,573	48,784
Goodness of Fit Statistic, R-Squared:				0.816	0.852	0.894
Average Annual Severity Trend (10 yr)				+ 6.4%		
Average Annual Severity Trend (8 yr)				+ 8.1%		
Average Annual Severity Trend (6 yr)				+ 10.8%		
Selected Annual Severity Trend				+ 5.0%		

* 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 Section B - 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 <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Paid <u>Occurrences</u>	(4) (2)/(3) Actual <u>Severity</u>	(5) Exponential Curve of <u>Best Fit to Col (4)</u>		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2010	\$154,522,739	5,409	\$28,568	\$26,373		
12/31/2011	137,102,918	5,314	25,800	27,627		
12/31/2012	129,176,670	4,636	27,864	28,940	\$28,583	
12/31/2013	117,342,730	3,901	30,080	30,316	30,036	
12/31/2014	113,050,236	3,586	31,525	31,758	31,563	\$32,189
12/31/2015	121,873,434	3,643	33,454	33,268	33,168	33,615
12/31/2016	134,325,288	3,732	35,993	34,850	34,854	35,104
12/31/2017	132,895,067	3,573	37,194	36,507	36,626	36,658
12/31/2018	151,474,468	3,881	39,030	38,243	38,489	38,282
12/31/2019	161,489,635	4,176	38,671	40,061	40,446	39,978
Goodness of Fit Statistic, R-Squared:				0.919	0.961	0.922
Average Annual Severity Trend (10 yr)				+ 4.8%		
Average Annual Severity Trend (8 yr)				+ 5.1%		
Average Annual Severity Trend (6 yr)				+ 4.4%		
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 Section B - Explanation of Trend Calculation).

LOCAL PRODUCTS/COMPLETED OPERATIONS

FREQUENCY TREND
MULTISTATE

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

Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences at Ultimate ¹	(4) Occurrence Frequency <u>(3)/(2)²</u>
12/31/2006	\$ 326,238,970	8,442	25.88
12/31/2007	325,331,118	8,393	25.80
12/31/2008	315,497,006	8,878	28.14
12/31/2009	301,841,127	8,904	29.50
12/31/2010	290,309,875	9,504	32.74
12/31/2011	288,802,569	8,867	30.70
12/31/2012	290,344,199	8,404	28.94
12/31/2013	296,741,631	8,155	27.48
12/31/2014	305,683,597	7,561	24.74
12/31/2015	315,859,471	7,289	23.08
12/31/2016	332,011,620	7,443	22.42
12/31/2017	342,155,375	7,123	20.82
12/31/2018	345,741,663	7,176	20.75
12/31/2019	344,939,626	7,403	21.46

Selected Annual Frequency Trend: - 0.5%

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

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

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes

The following are definitions of the columns for the Local Products/Completed Operations calculation of proposed loss costs shown on pages G-55-61.

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:

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

K = The number of classes within the class group.

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

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

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

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes (Cont'd)

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

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" equals the selected state monoline loss cost level change.
The off balance factor of 1.006 results from capping.

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes (Cont'd)

Column (8) is the percent change of the proposed state occurrence loss cost (column (10)) for each class with respect to the current state occurrence loss cost (column (9)).

Column (9) is the current state occurrence loss cost for each class.

Column (10) is the proposed state occurrence loss cost for each class.

LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 01

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .884 * 1.090

CLASS	AYE 2019 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)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
10100	158795	959607	1.68447	.3294	1.140	1.297	1.250	24.5	.049	.061
10145	38506	448190	.84399	.2184	.866	.985	.949	0.0	.009	.009
10146	7737	51284	2.03558	.1031	.993	1.130	1.089	7.1	.014	.015
10352	21550	157133	.68894	.1371	.848	.965	.930	-7.4	.054	.050
11039	373478	2333311	1.11626	.5146	.998	1.135	1.094	9.0	.067	.073
11258	19368	91992	.00000	.1165	.771	.877	.845	-15.6	.212	.179
11259	132	1792	.00000	.0863	.797	.907	.874	-12.7	.118	.103
11288	61855	430916	1.06777	.2140	.914	1.040	1.002	0.0	.077	.077
12374	216852	1439316	.98914	.4083	.920	1.047	1.009	1.5	.067	.068
12375	68887	799117	.25738	.2981	.689	.784	.755	-19.4	.036	.029
13673	299820	2319174	1.11913	.5133	.999	1.137	1.096	12.5	.016	.018
13720	20200	201321	1.54765	.1505	.974	1.108	1.068	7.5	.053	.057
14401	30522	225490	.82380	.1577	.865	.984	.948	-5.6	.072	.068
15224	71637	574312	.98770	.2491	.901	1.025	.988	-1.7	.059	.058
16900	455609	2830677	.91603	.5588	.897	1.020	.983	-1.1	.087	.086
16901	1798471	10653358	.71743	.8184	.746	.849	.818	-18.5	.119	.097
16902	165592	704930	.48826	.2784	.766	.871	.839	-16.7	.078	.065
16905								-1.1	.087	.086
16906								-18.5	.119	.097
16910	2999001	16292445	.87692	.8725	.876	.997	.961	-4.3	.070	.067
16911	191336	1262685	.80185	.3815	.846	.962	.927	-7.3	.055	.051
16915	79085	452543	.82822	.2195	.863	.982	.946	-5.2	.058	.055
16916	873962	5300286	.88318	.6960	.880	1.001	.965	-3.8	.052	.050
16920	14613	85672	.98548	.1144	.886	1.008	.971	-2.8	.145	.141
16921	1554	5604	.00000	.0877	.796	.906	.873	-12.1	.058	.051
16930	135321	441807	.77184	.2168	.851	.968	.933	-6.8	.234	.218
16931	50115	182443	1.21608	.1448	.922	1.049	1.011	1.1	.091	.092
16940	1187	4439	.00000	.0872	.797	.907	.874	-12.1	.058	.051
16941	27858	97250	.17183	.1182	.790	.899	.866	-13.1	.107	.093
18435	357079	2010468	.99803	.4810	.933	1.061	1.022	1.8	.057	.058
18436	16528	84135	.00000	.1139	.773	.879	.847	-15.0	.133	.113
18501	278118	2072943	.82952	.4878	.852	.969	.934	-8.3	.012	.011
45900	67519	353525	.00187	.1937	.704	.801	.772	-19.6	.046	.037
49617	656707	2688376	1.30047	.5470	1.107	1.259	1.213	21.7	.230	.280
57001	26359	231973	1.62741	.1596	.993	1.130	1.089	9.5	.021	.023

X-TILDE: .889 X-TILDE (MONOLINE): .879 PI-TILDE: .0049191
 TAU SQUARED: .03000 SIGMA SQUARED: 79208.05157

L - CAPPED DOWN
 U - CAPPED UP
 N - NOT SUBJECT TO CAPPING
 E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 02

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .985 * 1.090

CLASS	AYE 2019 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)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)	
10026	8193	38152	.00000	.0630	1.109	1.116	1.198	19.2	.026	.031	
10042	1609587	7735086	1.01904	.5635	1.091	1.098	1.179	17.9	.390	.460	
10060	3011	15404	.00000	.0599	1.112	1.119	1.201	20.6	.102	.123	
10065	27084	180388	10.27004	.0825	1.933	1.945	2.088	30.6	.036	.047	U
10066	5239	22015	.00000	.0608	1.111	1.118	1.200	20.5	.078	.094	
10071	882973	3585879	1.08689	.3870	1.146	1.153	1.238	23.8	.147	.182	
10073	14553061	58095509	.87225	.9029	.902	.907	.974	-3.1	.650	.630	
10075	1153	4873	16.36076	.0584	2.070	2.082	2.235	32.7	.226	.300	U
10107	21060	142605	.69849	.0774	1.146	1.153	1.238	23.5	.340	.420	
10115	78252	385492	.97258	.1091	1.160	1.167	1.253	25.6	.090	.113	
10309	30582	197755	.12374	.0848	1.093	1.100	1.181	20.0	.020	.024	
11020	11762	41928	.74759	.0636	1.155	1.162	1.248	25.0	.168	.210	
11127	87762	517555	1.27873	.1255	1.195	1.202	1.291	30.0	.010	.013	
11128	46262	198048	.83183	.0848	1.153	1.160	1.245	24.5	.098	.122	
11204	53212	122074	.01868	.0746	1.096	1.103	1.184	18.4	1.850	2.190	
11234	30615	173443	.73965	.0816	1.147	1.154	1.239	23.9	.071	.088	
12014	25953	180980	.43179	.0826	1.121	1.128	1.211	20.0	.040	.048	
12356	6880	52832	2.61927	.0651	1.277	1.285	1.380	32.4	.034	.045	U
12510	4571	36952	.00000	.0629	1.109	1.116	1.198	19.4	.031	.037	
12805	934419	5853614	1.28695	.4980	1.235	1.242	1.333	32.8	.116	.154	U
13351	1007691	5829653	1.61767	.4970	1.399	1.407	1.511	32.0	.050	.066	U
13352	9430	37621	.00000	.0630	1.109	1.116	1.198	19.6	.051	.061	
13506	132850	560881	.88686	.1307	1.144	1.151	1.236	23.7	.076	.094	
13507	53664	285039	.00494	.0963	1.070	1.076	1.155	15.3	.176	.203	
13716	820999	3942320	.80723	.4076	1.030	1.036	1.112	11.4	.140	.156	
13759	20799	157577	.01219	.0794	1.090	1.097	1.178	17.6	.125	.147	
14101	11775	90115	.20345	.0702	1.114	1.121	1.204	20.4	.049	.059	
14279	120509	758664	1.22360	.1539	1.189	1.196	1.284	29.0	.062	.080	
14913	92498	476939	.85699	.1205	1.144	1.151	1.236	23.6	.161	.199	
15538	9805	106567	.42098	.0725	1.128	1.135	1.219	21.1	.019	.023	
15600	6945	47702	2.36592	.0644	1.259	1.267	1.360	32.1	.112	.148	U
15608	2141	22466	.00000	.0609	1.111	1.118	1.200	18.2	.011	.013	
15839	28035	200640	.18713	.0852	1.098	1.105	1.186	17.9	.028	.033	
15991	55817	265138	1.24579	.0937	1.189	1.196	1.284	28.9	.090	.116	
15993	10739	47289	.31339	.0643	1.127	1.134	1.218	21.7	.060	.073	
16403	99459	504372	1.68877	.1239	1.246	1.254	1.346	32.8	.186	.247	U
16676	1326	6635	.00000	.0586	1.114	1.121	1.204	18.8	.016	.019	

X-TILDE: .977 X-TILDE (MONOLINE): .994 PI-TILDE: .0024805
 TAU SQUARED: .06671 SIGMA SQUARED: 445273.77375

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LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 02

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .985 * 1.090

CLASS	AYE 2019 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)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
18078	79541	585058	.33779	.1336	1.070	1.076	1.155	15.4	.162	.187
18109	660	3238	.65627	.0581	1.153	1.160	1.245	23.5	.034	.042
18110	73577	366091	1.08654	.1067	1.173	1.180	1.267	26.7	.045	.057
18206	564459	3009488	1.14409	.3505	1.169	1.176	1.263	26.1	.142	.179
18335	13330	51208	.00000	.0649	1.106	1.113	1.195	17.4	.023	.027
18506	34	273	.00000	.0577	1.115	1.122	1.205	14.3	.007	.008
18507	1156	9304	.45131	.0590	1.140	1.147	1.231	25.0	.008	.010
18708	15058	65298	8.90612	.0668	1.699	1.709	1.835	31.8	.022	.029
18834	8707	39532	.00000	.0632	1.108	1.115	1.197	20.0	.145	.174
18911	6141	41333	.28403	.0635	1.126	1.133	1.216	21.7	.023	.028
18912	1576	6708	1.11896	.0586	1.179	1.186	1.273	26.3	.038	.048
18920	504	4304	.41822	.0583	1.139	1.146	1.230	22.7	.022	.027
45819	680851	3460323	.77981	.3794	1.030	1.036	1.112	11.5	.078	.087
49618	636	2686	2.00372	.0581	1.231	1.238	1.329	32.4	.074	.098
49619	224301	1170792	1.07693	.1983	1.162	1.169	1.255	25.4	.134	.168

U

X-TILDE: .977 X-TILDE (MONOLINE): .994 PI-TILDE: .0024805
 TAU SQUARED: .06671 SIGMA SQUARED: 445273.77375

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LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 11

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.026 * 1.090

CLASS	AYE 2019 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)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
92053	0	0	.00000	.0000	.904	1.000	1.118	12.5	.560	.630
92054	0	3	.00000	.1250	.791	.827	.925	-7.7	.235	.217
92055	776	3196	.00000	.1255	.791	.827	.925	-7.5	.226	.209
95124	843356	5364467	1.40609	.5405	1.175	1.228	1.373	32.5	.830	1.100
98303	131458	363664	.28999	.1755	.796	.832	.930	-7.0	7.300	6.790
98304	3485176	15065406	1.03868	.7528	1.005	1.050	1.174	17.4	4.030	4.730
98305	4127922	17547405	1.02535	.7789	.999	1.044	1.168	16.7	2.030	2.370
98306	7788	63019	.71623	.1342	.879	.918	1.027	2.2	.890	.910
98307	1655	9955	.18764	.1265	.814	.851	.952	-4.7	.430	.410
98308	588625	2951116	.96465	.4156	.929	.971	1.086	9.0	1.110	1.210
98309	33333	123114	1.97337	.1428	1.057	1.104	1.235	23.4	2.140	2.640
98344	67221	337676	.63855	.1721	.859	.898	1.004	0.0	.810	.810
98449	2552398	13165985	.86467	.7282	.875	.914	1.022	2.0	24.600	25.100
98805	275587	1241704	1.35343	.2764	1.028	1.074	1.201	20.1	1.390	1.670
98813	377799	2013238	.89960	.3467	.903	.944	1.056	5.8	1.730	1.830
98967	2044221	8340101	1.15452	.6363	1.063	1.111	1.242	24.5	10.600	13.200
99003	69596	251833	.50564	.1606	.840	.878	.982	-1.6	1.880	1.850
99826	40864	216779	1.22200	.1558	.954	.997	1.115	12.3	.570	.640
99827	76112	469079	.74581	.1891	.874	.913	1.021	1.8	.570	.580
99948	3101814	14225615	.88167	.7425	.887	.927	1.037	3.7	24.600	25.500
99952	803249	2049329	.89969	.3496	.903	.944	1.056	5.8	22.600	23.900
99953	294081	1269790	.54624	.2792	.804	.840	.939	-5.7	12.200	11.500
99954	214705	858322	.27487	.2356	.756	.790	.883	-11.3	11.500	10.200
99955	866104	3922229	.71281	.4732	.814	.851	.952	-4.8	7.700	7.330

U

X-TILDE: .982 X-TILDE (MONOLINE): .957 PI-TILDE: .0073149
TAU SQUARED: .03000 SIGMA SQUARED: 178009.62829

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LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 12

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.009 * 1.090

CLASS	AYE 2019 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)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
91111	2579260	12169086	.82631	.4003	.888	.964	1.060	6.0	7.310	7.750
91150	1247928	6404115	.84275	.2741	.905	.983	1.081	8.2	5.750	6.220
91155	6047856	25296636	.96411	.5704	.949	1.030	1.133	13.3	36.000	40.800
91340	26380677	118160910	.84849	.8571	.860	.934	1.027	2.7	8.960	9.200
91341	12963894	56674442	.96428	.7440	.955	1.037	1.141	14.0	5.070	5.780
91342	12707721	56077167	.91909	.7420	.922	1.001	1.101	10.2	3.720	4.100
91343	460585	2240794	.67431	.1440	.892	.969	1.066	6.8	1.760	1.880
91436	309438	1463369	.65063	.1144	.897	.974	1.071	7.0	2.860	3.060
91507	31289	200754	.03057	.0616	.874	.949	1.044	4.3	3.010	3.140
91551	929598	4783980	.81374	.2285	.903	.980	1.078	7.4	.680	.730
91555	149941	924583	.59935	.0926	.899	.976	1.073	7.3	1.090	1.170
91560	12705971	65454326	.89520	.7700	.903	.980	1.078	7.7	3.910	4.210
91577	2339370	10080566	1.08292	.3600	.985	1.069	1.176	17.6	3.470	4.080
91746	4022871	16881821	1.03734	.4749	.981	1.065	1.171	17.1	6.300	7.380
92101	573017	2698279	.86322	.1605	.919	.998	1.098	9.7	3.180	3.490
92102	562205	3145585	1.35719	.1761	1.005	1.091	1.200	20.1	3.340	4.010
92215	10355386	47964751	.94909	.7116	.943	1.024	1.126	12.5	3.360	3.780
92338	5727771	24918102	.98582	.5669	.961	1.043	1.147	14.6	2.260	2.590
92446	450049	1775607	.26418	.1265	.845	.917	1.009	0.7	1.530	1.540
92447	37068	246515	.56692	.0636	.906	.984	1.082	8.3	1.680	1.820
92451	3262850	15679734	.94396	.4577	.936	1.016	1.117	11.7	2.400	2.680
92478	18115848	86546479	.87755	.8151	.887	.963	1.059	5.8	1.910	2.020
94007	11559110	47949217	.94296	.7116	.939	1.020	1.122	12.2	5.400	6.060
94276	1832875	9468582	.72504	.3471	.858	.932	1.025	2.4	4.580	4.690
94569	2951113	16297410	1.01414	.4667	.969	1.052	1.157	15.8	3.730	4.320
95410	6879003	34870687	.84872	.6440	.877	.952	1.047	4.6	2.830	2.960
95455	446226	3049879	2.24186	.1728	1.156	1.255	1.380	32.8	1.280	1.700
95505	104081	553751	1.42882	.0770	.968	1.051	1.156	15.4	2.400	2.770
95625	1970733	9185870	1.24138	.3410	1.036	1.125	1.237	23.8	3.740	4.630
95647	36523359	163252855	.91396	.8921	.916	.995	1.094	9.5	7.290	7.980
96053	614160	2771838	.72645	.1631	.896	.973	1.070	7.0	4.120	4.410
96410	1903463	8358802	.96639	.3225	.941	1.022	1.124	12.8	9.750	11.000
96611	417253	1657417	.21820	.1220	.842	.914	1.005	0.6	1.680	1.690
97447	8608222	41523459	1.03605	.6819	1.002	1.088	1.197	19.7	5.130	6.140
97650	511341	2150339	.81629	.1407	.913	.991	1.090	9.0	4.120	4.490
97651	338593	1693930	1.31869	.1234	.977	1.061	1.167	16.8	3.640	4.250
97652	63960	297996	6.65931	.0659	1.307	1.419	1.561	32.8	4.270	5.670

X-TILDE: .908 X-TILDE (MONOLINE): .921 PI-TILDE: .0033021
 TAU SQUARED: .03000 SIGMA SQUARED: 629676.39168

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LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 12

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.009 * 1.090

CLASS	AYE 2019 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)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
97653	894746	4113929	.79201	.2079	.901	.978	1.076	7.6	2.900	3.120
97654	85762	441113	.25524	.0721	.881	.957	1.053	5.3	3.210	3.380
97655	1443458	7867958	.53192	.3109	.806	.875	.962	-3.8	4.430	4.260
98002	42188	245701	.00000	.0636	.870	.945	1.039	3.7	1.070	1.110
98482	23098616	116345849	.99874	.8552	.989	1.074	1.181	18.0	6.870	8.110
98483	34889146	159243620	.89088	.8897	.895	.972	1.069	6.8	20.700	22.100
98502	474159	2061230	1.05391	.1373	.946	1.027	1.130	13.0	4.220	4.770
98636	2477401	10572306	.81352	.3700	.886	.962	1.058	5.9	3.920	4.150
98677	4194295	22749228	.90607	.5454	.917	.996	1.095	9.2	9.340	10.200
98678	3577394	14321746	.85944	.4369	.899	.976	1.073	7.4	16.300	17.500
98806	701428	3866684	.76817	.2000	.897	.974	1.071	7.1	3.510	3.760
98820	3437663	17482295	.90935	.4831	.920	.999	1.099	9.9	3.450	3.790
98884	2085822	12272845	1.06757	.4022	.985	1.069	1.176	17.9	1.680	1.980
99004	40260	191744	.09161	.0612	.878	.953	1.048	4.5	1.770	1.850
99080	1440208	6563946	.55423	.2783	.825	.896	.985	-1.6	7.700	7.580
99315	1245387	6651298	1.12482	.2806	.984	1.068	1.175	17.5	1.940	2.280
99321	2184512	11071668	.81948	.3798	.888	.964	1.060	6.1	2.460	2.610
99613	1391351	7240997	.87157	.2956	.912	.990	1.089	8.9	2.250	2.450
99650	542565	3193136	.96850	.1777	.936	1.016	1.117	11.7	1.030	1.150
99746	4041696	19684969	.94668	.5111	.938	1.018	1.120	12.0	3.410	3.820

X-TILDE: .908 X-TILDE (MONOLINE): .921 PI-TILDE: .0033021
 TAU SQUARED: .03000 SIGMA SQUARED: 629676.39168

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LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 13

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .940 * 1.090

CLASS	AYE 2019 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)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)	
91125	52917	162513	.05379	.1518	.683	.873	.894	-10.8	1.850	1.650	
91127	888608	4238304	.63186	.5829	.700	.895	.917	-8.1	1.350	1.240	
91235	331888	2316762	.50709	.4515	.665	.850	.871	-12.8	2.740	2.390	
91265	20060	111011	.36466	.1406	.735	.940	.963	-3.6	1.940	1.870	
91266	219290	1054563	1.10311	.3083	.890	1.138	1.166	16.8	1.070	1.250	
91280	6160	61113	3.28540	.1295	1.118	1.430	1.465	32.7	3.060	4.060	U
94381	1564950	7209142	1.04766	.6957	.971	1.242	1.273	27.1	10.700	13.600	
94404	110174	436075	1.59215	.2069	.960	1.228	1.258	25.7	4.200	5.280	
95310	362549	1674290	1.22455	.3869	.961	1.229	1.259	26.2	1.030	1.300	
96408	1872930	7438955	.77904	.7019	.784	1.003	1.028	2.7	14.900	15.300	
96409	2076722	10642662	.90066	.7681	.876	1.120	1.148	15.2	10.500	12.100	
97221	936613	5395637	.73831	.6355	.759	.971	.995	-0.7	1.390	1.380	
97222	4053785	19704963	.73985	.8576	.748	.957	.981	-1.9	2.110	2.070	
97223	4437709	20202673	.65450	.8606	.674	.862	.883	-11.6	4.470	3.950	
98152	411883	3010243	1.16138	.5075	.981	1.254	1.285	29.1	.550	.710	
98157	61990	303013	.00000	.1810	.651	.832	.852	-15.9	.440	.370	
98163	3020	7244	.00000	.1171	.702	.898	.920	-8.0	.212	.195	
98164	17953	82716	.00000	.1343	.688	.880	.902	-9.5	.063	.057	
98659	13	589	.00000	.1155	.703	.899	.921	-8.1	.370	.340	
98914	207	2907	.00000	.1161	.703	.899	.921	-8.8	.570	.520	
98949	4146	25026	.00000	.1212	.699	.894	.916	-6.9	.290	.270	
98993	1625450	7741641	.53945	.7097	.614	.785	.804	-19.6	5.000	4.020	
99163	2890	13668	.00000	.1186	.701	.896	.918	-7.1	.420	.390	
99803	20933	79745	1.06601	.1337	.831	1.063	1.089	8.7	9.660	10.500	
99946	2829197	15222355	.83088	.8240	.825	1.055	1.081	8.1	2.730	2.950	
99969	854939	4434854	1.23019	.5929	1.053	1.347	1.380	32.8	2.470	3.280	U

X-TILDE: .792 X-TILDE (MONOLINE): .782 PI-TILDE: .0068838
 TAU SQUARED: .03000 SIGMA SQUARED: 113416.11283

L - CAPPED DOWN
 U - CAPPED UP
 N - NOT SUBJECT TO CAPPING
 E - SUBJECT TO CAPPING EXCEPTION

SECTION H
CONSIDERATION OF COVID-19
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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 M&C premium development an adjustment factor has been applied to the standard ISO methodology development factor for the latest accident year (year ending 6/30/2020).

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

PREMIUM DEVELOPMENT ADJUSTMENT FACTOR

In general, premium 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 Premises/Operations premium development factors greater than unity. The opposite typically occurs during recessions.

For the current recession in particular, many of the premium audits that will impact accident year-ending 6/30/2020 had not yet occurred as of the 9/30/2020 evaluation date. As a result, a premium 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 Premises/Operations premium development 15-to-27 month link ratios from 2004 through 2020. See “Premium Development Adjustment Factor Data” exhibit 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 premium 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.

For M&C an adjustment factor of 0.97 was selected and applied to the accident year ending 6/30/2020 premium development factor from the standard ISO methodology. The selection is an estimate of the change in development based on the observed year-ending 6/30/2020 GDP change and the historical relationship between the GDP changes and M&C premium development factors.

No adjustment is being made at this time for OL&T. In contrast to M&C where almost every class could potentially be subject to audit, there are fewer OL&T classes with auditable exposures that would potentially be impacted by COVID-19 and the resulting recession. This is supported by the historical OL&T premium development factors, which have been observed to be less sensitive to historical changes in GDP.

IMPACT OF COVID-19 ON GENERAL LIABILITY LOSS COSTS

PREMIUM DEVELOPMENT ADJUSTMENT FACTOR DATA

MULTISTATE MANUFACTURERS AND CONTRACTORS FULL & DEDUCTIBLE COMBINED TOTAL LIMITS PREMIUM

PREMIUM DEVELOPMENT ADJUSTMENT FACTOR DATA

<u>Accident Year</u> <u>Ending</u>	<u>15-to-27</u> <u>link</u>	<u>Change in</u> <u>GDP*</u>	<u>Comments**</u>
6/30/2004	1.023	1.040	
6/30/2005	1.030	1.035	
6/30/2006	1.027	1.033	
6/30/2007	1.014	1.021	
6/30/2008	0.998	1.016	Recession starts 12/2007.
6/30/2009	0.974	0.975	Recession ends 6/2009.
6/30/2010	0.994	1.004	
6/30/2011	1.010	1.023	
6/30/2012	1.016	1.019	
6/30/2013	1.019	1.017	
6/30/2014	1.029	1.022	
6/30/2015	1.025	1.034	
6/30/2016	1.020	1.020	
6/30/2017	1.020	1.020	
6/30/2018	1.015	1.029	
6/30/2019	1.014	1.025	
6/30/2020		0.989	Recession starts 2/2020.

Selected Premium Development Adjustment Factor (applied to 15-to-ultimate development factor): **0.970**

* 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>, April 28, 2021.

** Source: Federal Reserve Bank of St. Louis; <https://fredhelp.stlouisfed.org/fred/data/understanding-the-data/recession-bars/>, April 28, 2021.

SECTION I

LCADD MANUAL PAGE WITHDRAWN

TABLE OF CONTENTS

CG-LCADD-1 (Withdrawn)

I-2

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

TENNESSEE (41)

LOSS COST MAPPING BY CLASS

For new classifications introduced in the Classification Table revision addressed in multistate rules filing GL-2020-RMJRU, use the Premises and Operations (Subline Code 334) and Products/Completed Operations (Subline Code 336) loss costs for the existing classifications displayed in the following table:

New Class Code	Premises/ Operations	Products
10011	Use 100% of premises/operations loss cost for Class 12373.	RTC
10012	Use 116% of premises/operations loss cost for Class 12373.	RTC
10025	Use 100% of premises/operations loss cost for Class 12373.	RTC
10027	Use 100% of premises/operations loss cost for Class 12373.	RTC
10210	Use 65% of premises/operations loss cost for Class 12374.	RTC
10211	Use 65% of premises/operations loss cost for Class 12374.	RTC
50011	Use 110% of premises/operations loss cost for Class 52343.	RTC
50012	Use 100% of premises/operations loss cost for Class 58503.	RTC
50018	Use 100% of premises/operations loss cost for Class 52343.	RTC
50019	Use 100% of premises/operations loss cost for Class 52911.	RTC

Table #1(LCADD) Loss Cost Mapping By Class

TENNESSEE GL-2021-BGL1
BASIC LIMIT LOSS COST LEVEL
GENERAL LIABILITY OTHER THAN PROFESSIONAL
PREMISES/OPERATIONS & PRODUCTS/COMPLETED OPERATIONS
ACTUARIAL ANALYSIS SUPPLEMENT

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

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

<u>SUBLINE</u>	<u>INDICATED</u>	<u>SELECTED</u>
M&C	- 1.2%	- 1.2%
OL&T	- 2.7%	- 2.7%
Premises/Operations	- 1.9%	- 1.9%
Products	- 4.1%	- 4.1%
Local Products/Completed Operations	+ 8.4%	+ 8.4%
Products/Completed Operations	+ 5.0%	+ 5.0%
GL Overall	- 0.5%	- 0.5%

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

HISTORICAL The sources of the data underlying this loss cost review are:
SOURCE DATA

ISO reporting companies' voluntary experience.
Fiscal - accident year data through year ended 6/30/2020 for Premises/Operations.
Calendar - accident year data through year ended 12/31/2019 for Products/Completed Operations.

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

Statistical plan data reported to ISO is first processed through a system of rigorous automated data verification processes so that only data that would be reliable is used for ratemaking. Subsequent to this initial data submission review, additional analyses involving an even more customized data review for this line was performed by staff. During these processes, various data records were excluded from the review, corrected or adjusted. Specifically, various reported exposure amounts have been adjusted prior to their use in the calculations. The ISO staff responsible for this loss cost review also reviewed the data for reasonableness.

CALL TO CALL COMPARISON

Manufacturers and Contractors

The Aggregate Loss Costs at Current Level (ALCCL) increased by an average of 15.6%, 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 8.4% increase in ALCCL;
- Implemented loss cost level change (+1.8%);
- A change in exposure trend plus an additional year of trending (+5.2%);
- The effect on ALCCL due to a change in average IPMFs (-0.4%).

The Basic Limit Experience Ratios (BLERs) decreased in 2019 (-13.8%). This is mainly due to favorable experience across several class groups.

Owners, Landlords and Tenants

The Aggregate Loss Costs at Current Level (ALCCL) increased by an average of 14.7%, 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 3.7% increase in ALCCL;
- Implemented loss cost level change (+8.7%);
- A change in exposure trend plus an additional year of trending (+1.5%);
- The effect on ALCCL due to a change in average IPMFs (-0.1%).

The BLERs varied within reasonable limits.

Products

Multistate ALCCL increased by an average of 9.5% 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 10.8% increase in ALCCL;
- Implemented an average loss cost level change of approximately -0.1% in most states;
- A change in exposure trend plus an additional year of trending of -0.9%;
- The effect on ALCCL due to a change in average IPMFs (+1.1%).

The BLERs changed due to the various effects listed above.

CALL TO CALL
COMPARISON
(Cont'd)

Local Products/
Completed Ops

Multistate ALCCL increased by an average of 16.3% 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 10.5% increase in ALCCL;
- Implemented an average loss cost level change of approximately +9.2% in most states;
- A change in exposure trend plus an additional year of trending of -2.0%;
- The effect on ALCCL due to a change in average IPMFs (+0.8%).

The BLERs changed due to the various effects listed above.

LATEST CALL
YEAR TO YEAR
COMPARISON

Manufacturers and
Contractors

The ALCCL increased from 2016 to 2018, decreased from 2018 to 2019, and then increased thereafter.

The low BLERs for 2016 (0.718), 2018 (0.881), and 2019 (0.865) are attributable to favorable experience in several class groups.

Owners, Landlords
and Tenants

The ALCCL increased from 2016 to 2017 and then decreased thereafter.

The low BLER for 2020 (0.872) is attributable to favorable experience in several class groups.

Products

The ALCCL increased from 2015 to 2017, decreased in 2018 and then increased thereafter.

The BLER increased from 2015 to 2016 and then decreased thereafter.

Local Products/
Completed Ops

The ALCCL increased steadily from 2015 to 2019.

The BLER increased from 2015 to 2016, decreased in 2017 and then increased thereafter.

LOSS
DEVELOPMENT
FACTOR
COMPARISON

Manufacturers and
Contractors

The BI and PD indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review.

The multistate full coverage BI indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review. The multistate full coverage PD indemnity loss development factors for the 2021 review have increased compared to those in the 2020 review.

The multistate deductible coverage BI indemnity loss development factors for the 2021 review remained stable compared to the 2020 review. The multistate deductible coverage PD indemnity loss development factors for the 2021 review have increased compared to the 2020 review.

The multistate Fringe indemnity loss development factors for the 2021 review remained stable compared to the 2020 review.

Owners, Landlords
and Tenants

The BI and PD indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review.

The multistate full coverage BI and PD indemnity loss development factors for the 2021 review have increased compared to those in the 2020 review.

The multistate deductible coverage BI and PD indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review.

The multistate Fringe indemnity loss development factors for the 2021 review remained stable compared to the 2020 review.

Products

The multistate full coverage BI and PD indemnity loss development factors for the 2021 review have decreased compared to those in the 2020 review.

The multistate deductible coverage BI indemnity loss development factors for the 2021 review remained stable compared to the 2020 review. The multistate deductible coverage PD indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review, with an increase in the 15 months-to-ultimate factor.

LOSS
DEVELOPMENT
FACTOR
COMPARISON
(Cont'd)

Local Products/
Completed Ops

For Local Products, the multistate full coverage BI and PD indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review. The multistate deductible coverage BI indemnity loss development factors for the 2021 review remained stable compared to the 2020 review. The multistate deductible coverage PD indemnity loss development factors for the 2021 review have decreased compared to the 2020 review.

For Completed Operations, the full coverage BI indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review. The full coverage PD indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review except for the 15 months-to-ultimate factor which increased by 11.2%. This can largely be attributed to a higher 15-to-27 months state link ratio.

The Completed Operations multistate full coverage BI indemnity loss development factors for the 2021 review have decreased compared to those in the 2020 review. The multistate full coverage PD indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review. The multistate deductible coverage BI indemnity loss development factors for the 2021 review have decreased compared to those in the 2020 review. The multistate deductible coverage PD indemnity loss development factors for the 2021 review have increased compared to those in the 2020 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.

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.

SEVERITY TREND COMPARISON	Manufacturers and Contractors	The BI severity trend selection is +4.5%, unchanged 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 +4.5%, up from +4.0% in the previous Fiscal review.
		The PD severity trend selection is +5.5%, up from +5.0% in the previous Fiscal review.
		The Fringe severity selection is 0.0%, down from +1.0% 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 +5.5%, down from +6.0% in the previous review.
	<hr/>	
	Local Products/ Completed Ops	The BI severity trend selection is +5.0%, up from +4.0% in the previous review.
		The PD selected severity trend is +4.5%, unchanged from +4.5% in the previous review.
	<hr/>	

FREQUENCY
TREND
COMPARISON

We have selected a frequency trend of 0.0% 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 lower 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 higher 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 lower than that used in the previous review for all three years.

Local Products/
Completed Ops

The exposure trend factors for Local Products are lower than that used in the previous review for all three years. The exposure trend factors for Completed Operations are lower 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 0.890. In the 2020 review the weighted average IPMF was 0.897.
	Owners, Landlords and Tenants	The current weighted average IPMF is 0.952. In the 2020 review the weighted average IPMF was 0.950.
	Products	The current multistate weighted average IPMF is 0.865. In the 2020 review the multistate weighted average IPMF was 0.859.
	Local Products/ Completed Ops	The current multistate weighted average IPMF is 0.998. In the Group 3, 2020 review the multistate weighted average IPMF was 0.991.
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 (0.990) ranks 29th lowest overall. In last year's review, Tennessee's state balanced relative change (1.033) ranked 11th highest overall.	
CHANGE IN COMPANY MIX SINCE LAST CALL	For Manufacturers and Contractors the change in company mix results in an average increase of 8.4% in the total statewide ALCCL.	
	For Owners, Landlords and Tenants, the change in company mix results in an average increase of 3.7% in the total statewide ALCCL.	
	For Products, the change in company mix results in a 10.8% increase in the total multistate ALCCL.	
	For Local Products/Completed Operations, the change in company mix results in a 10.5% 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	.078	.189	10150	.33	(a)	11204	.21	2.19	13111	1.21	.092
10011	.019	(a)	10151	8.37	—	11205	(a)	—	13112	.051	.063
10012	.022	(a)	10160	1.49	—	11206	.70	—	13201	.91	.144
10015	5.90	—	10204	.15	—	11207	8.85	—	13204	1.03	1.14
10020	(a)	(a)	10205	.168	—	11208	1.52	—	13205	.40	.42
10025	.019	(a)	10210	.27	(a)	11209	7.12	—	13206	(a)	(a)
10026	.43	.031	10211	.27	(a)	11210	3.03	—	13207	(a)	(a)
10027	.019	(a)	10220	3.16	—	11211	15.80	—	13208	(a)	(a)
10036	.68	(a)	10255	.25	.151	11212	2.38	—	13314	.08	.014
10040	.06	.32	10256	.92	.183	11213	1.94	—	13351	.196	.066
10042	.248	.46	10257	.174	.148	11214	4.79	—	13352	.199	.061
10052	4.08	—	10309	.108	.024	11222	.081	—	13410	1.45	2.35
10054	3.62	—	10315	.26	(a)	11234	.189	.088	13411	(a)	(a)
10060	.119	.123	10331	8.00	—	11248	.048	.016	13412	.49	1.21
10065	.178	.047	10332	13.80	—	11258	1.30	.179	13453	.56	(a)
10066	.182	.094	10352	.63	.05	11259	1.40	.103	13454	.66	(a)
10070	.045	.151	10367	4.06	—	11273	9.36	—	13455	.67	(a)
10071	.213	.182	10368	5.93	—	11274	8.99	—	13461	(a)	(a)
10072	4.59	—	10375	(a)	—	11288	1.60	.077	13506	.62	.094
10073	1.06	.63	10378	8.10	—	12014	.103	.048	13507	.74	.203
10075	7.84	.30	10379	3.76	—	12356	.79	.045	13590	.50	.67
10100	1.08	.061	10380	6.42	—	12361	.06	.07	13621	.126	.33
10101	.161	.177	10381	5.56	—	12362	.049	(a)	13670	.034	.017
10105	1.74	—	11007	1.73	—	12373	.019	.023	13673	.99	.018
10107	3.23	.42	11020	.203	.21	12374	.41	.068	13715	.049	.145
10110	20.10	—	11039	.92	.073	12375	.203	.029	13716	.30	.156
10111	.098	.067	11052	4.43	—	12391	.037	.07	13720	.56	.057
10113	.241	—	11101	(a)	(a)	12393	.27	(a)	13759	.119	.147
10115	.48	.113	11120	(a)	—	12467	.112	(a)	13930	.105	.174
10117	5.86	—	11126	.042	.024	12509	.063	.031	14068	.026	.012
10119	(a)	—	11127	.249	.013	12510	.80	.037	14101	.31	.059
10120	13.10	—	11128	.34	.122	12583	.35	(a)	14279	.48	.08
10130	2.37	—	11138	2.00	—	12651	1.03	.51	14401	1.31	.068
10132	2.05	—	11155	.143	—	12683	.47	(a)	14405	1.01	—
10133	4.26	—	11160	(a)	(a)	12707	.32	.56	14527	.20	.179
10135	(a)	—	11167	1.02	—	12797	.068	.194	14655	.059	—
10140	.028	.022	11168	5.30	—	12805	.217	.154	14731	4.40	—
10141	.055	.023	11201	15.10	—	12841	.36	—	14732	.33	—
10145	.27	.009	11202	4.47	—	12927	.063	—	14733	.42	—
10146	.48	.015	11203	.58	.46	13049	.031	.051	14734	.178	—

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	.221	.133	16670	3.32	—	18501	1.05	.011	40072	(a)	—
14913	.224	.199	16676	.199	.019	18506	.44	.008	40075	62.30	—
15060	(a)	(a)	16694	.42	(a)	18507	.126	.01	40101	14.30	—
15061	(a)	(a)	16705	.157	.131	18570	1.32	—	40102	12.60	—
15062	.199	(a)	16722	(a)	—	18575	(a)	(a)	40111	6.52	—
15063	.231	(a)	16723	(a)	—	18616	.34	.59	40115	(a)	—
15070	.136	—	16750	.07	.034	18707	.007	.005	40117	(a)	—
15119	(a)	—	16751	.07	—	18708	.077	.029	40140	(a)	—
15120	(a)	—	16819	1.20	(a)	18833	.088	(a)	41001	.22	—
15123	4.25	—	16820	.93	(a)	18834	.199	.174	41210	(a)	—
15124	1.49	—	16881	1.09	(a)	18911	.63	.028	41421	.45	—
15188	.35	(a)	16890	.141	(a)	18912	1.19	.048	41422	.242	—
15223	.04	.044	16891	.153	(a)	18920	.31	.027	41510	31.70	—
15224	.59	.058	16892	.28	(a)	18991	(a)	—	41603	21.50	—
15300	(a)	—	16900	2.32	.086	19007	1.66	—	41604	11.80	—
15314	.143	(a)	16901	1.49	.097	19051	3.68	—	41620	1.27	—
15404	.091	(a)	16902	1.26	.065	19061	(a)	—	41650	30.20	—
15405	.133	(a)	16905	2.44	.086	19795	.206	(a)	41664	27.80	—
15406	.34	.053	16906	1.56	.097	19796	.241	—	41665	3.26	—
15488	.85	(a)	16910	1.39	.067	40005	(a)	—	41666	(a)	—
15538	.26	.023	16911	1.26	.051	40006	(a)	—	41667	76.10	—
15600	.64	.148	16915	1.43	.055	40010	(a)	—	41668	71.30	—
15607	.178	—	16916	1.19	.05	40015	(a)	—	41669	.50	—
15608	.143	.013	16920	3.16	.141	40020	(a)	—	41670	.84	—
15656	4.24	—	16921	2.89	.051	40026	(a)	—	41672	(a)	—
15699	.44	—	16930	1.82	.218	40031	(a)	—	41673	(a)	—
15733	.221	.034	16931	1.96	.092	40032	(a)	—	41675	(a)	—
15839	.192	.033	16940	3.95	.051	40040	(a)	—	41677	.26	—
15991	.157	.116	16941	1.58	.093	40041	(a)	—	41678	50.30	—
15993	.133	.073	18078	.089	.187	40042	(a)	—	41679	(a)	(a)
16005	.026	.031	18109	.26	.042	40045	184.00	—	41680	15.70	—
16009	.27	.106	18110	.21	.057	40046	36.30	—	41696	.83	—
16402	.95	—	18200	(a)	—	40047	13.00	—	41697	.58	—
16403	.60	.247	18205	.137	.38	40059	4.64	—	41700	(a)	—
16404	.76	—	18206	.34	.179	40061	2.46	—	41715	9.97	—
16471	.25	—	18335	.245	.027	40063	82.30	—	41716	6.35	—
16501	.055	(a)	18435	1.15	.058	40064	24.20	—	43007	(a)	—
16527	.085	.32	18436	.92	.113	40066	(a)	—	43117	(a)	—
16588	.126	(a)	18437	.35	(a)	40067	(a)	—	43151	31.00	—
16604	.211	.122	18438	.67	(a)	40069	(a)	—	43152	15.10	—

\$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	118.00	—	44112	2.34	—	45771	.39	.139	47254	(a)	—
43215	(a)	—	44113	(a)	—	45819	.128	.087	47318	7.76	—
43421	32.30	—	44193	(a)	—	45900	.073	.037	47367	.26	—
43422	169.00	—	44194	(a)	—	45901	.063	.045	47420	1.70	—
43424	(a)	—	44222	(a)	—	45937	.27	—	47468	(a)	—
43470	4.81	—	44276	158.00	—	45993	(a)	(a)	47469	4.53	—
43517	(a)	—	44277	103.00	—	46004	28.70	—	47471	3.93	—
43518	11.90	—	44280	.26	—	46005	23.00	—	47473	5.14	—
43550	115.00	—	44311	6.16	—	46112	.056	—	47474	5.74	—
43551	63.90	—	44315	4.14	—	46202	5.12	—	47475	4.53	—
43626	9.53	—	44427	51.60	—	46362	176.00	—	47476	4.53	—
43628	124.00	—	44428	51.90	—	46426	25.70	—	47477	6.04	—
43629	105.00	—	44429	.78	—	46427	34.30	—	47478	6.35	—
43754	(a)	—	44430	.54	—	46510	(a)	—	47600	(a)	—
43760	3.50	—	44431	1.73	—	46590	(a)	—	47610	(a)	—
43822	3.83	—	44432	.55	—	46603	2.15	—	48039	83.60	—
43840	.047	—	44433	17.40	—	46604	2.48	—	48177	(a)	—
43860	3.01	—	44434	33.30	—	46606	6.62	—	48178	(a)	—
43889	1.08	—	44435	34.50	—	46607	9.10	—	48206	25.20	—
43945	(a)	—	44436	40.30	—	46622	11.20	—	48252	(a)	—
43946	(a)	—	44437	33.40	—	46671	(a)	—	48441	.106	—
43990	(a)	(a)	44438	26.40	—	46700	237.00	—	48557	10.60	—
43991	(a)	—	44439	51.40	—	46773	(a)	—	48558	9.21	—
44009	5.18	—	44440	42.50	—	46822	(a)	—	48600	51.30	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	10.20	—	44501	(a)	—	46882	(a)	—	48636	.86	(a)
44070	3.02	—	45190	4.03	—	46911	18.90	—	48637	8.10	—
44071	3.36	—	45191	2.86	—	46912	34.60	—	48638	4.02	—
44072	2.32	—	45192	3.34	—	46913	(a)	—	48727	(a)	—
44100	7.03	—	45193	1.97	—	46914	(a)	—	48808	1.08	—
44101	7.32	—	45210	2.50	—	46915	(a)	—	48924	(a)	—
44102	5.71	—	45224	(a)	—	46916	(a)	—	48925	194.00	—
44103	5.05	—	45225	(a)	—	47050	1.05	—	49005	.178	—
44104	2.12	—	45334	67.90	—	47051	(a)	—	49111	1.66	—
44105	(a)	—	45380	.26	(a)	47052	(a)	—	49181	27.30	—
44106	(a)	—	45450	20.00	—	47103	(a)	—	49183	33.30	—
44108	2.49	—	45523	(a)	—	47146	(a)	—	49184	70.30	—
44109	6.30	—	45524	(a)	—	47147	(a)	—	49185	63.90	—
44110	6.45	—	45539	(a)	—	47221	260.00	—	49239	.194	.46
44111	3.95	—	45678	.28	—	47253	(a)	—	49292	2.00	—

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	.159	.196	51702	.081	(a)	51986	.077	.096
49333	14.70	—	51241	.47	.218	51703	.034	(a)	51999	.033	.40
49451	(a)	—	51250	.136	(a)	51734	.063	.35	52002	.029	.114
49452	(a)	—	51251	.014	(a)	51741	.083	.243	52075	.10	.222
49617	.35	.28	51252	.048	.074	51752	.07	.15	52076	.121	(a)
49618	.29	.098	51253	.041	(a)	51767	.021	.007	52109	.007	(a)
49619	.55	.168	51254	.013	.032	51777	.075	.077	52134	.096	.60
49763	3.59	—	51255	.35	(a)	51790	.124	(a)	52137	.039	(a)
49800	(a)	—	51300	.103	.147	51796	.03	(a)	52150	.177	(a)
49801	229.00	—	51305	.103	.88	51808	.107	.68	52315	.097	.27
49802	20.30	—	51315	.126	.096	51809	.133	.146	52341	.025	(a)
49803	36.00	—	51330	.053	.66	51833	.112	.054	52342	.071	(a)
49840	1.08	—	51333	.017	.32	51850	.127	(a)	52343	.044	(a)
49870	81.00	—	51340	.013	(a)	51851	.086	(a)	52401	.135	(a)
49890	(a)	—	51350	.173	.127	51852	.202	(a)	52402	.007	(a)
49891	(a)	—	51351	.155	.049	51853	.081	(a)	52432	.036	(a)
49902	(a)	—	51352	.213	.101	51854	.182	(a)	52433	.033	.80
49903	(a)	—	51355	.145	.091	51855	.191	(a)	52435	.041	(a)
50010	.077	.38	51356	.156	.56	51856	.105	(a)	52438	.03	(a)
50011	.048	(a)	51357	.179	.76	51857	.18	(a)	52440	.047	(a)
50012	.029	(a)	51358	.43	.129	51869	.036	.136	52467	.043	(a)
50015	.05	(a)	51359	.38	.71	51877	.20	.191	52469	.015	.096
50017	.038	(a)	51370	.156	3.83	51889	.033	.011	52505	.075	.237
50018	.044	(a)	51380	.016	.041	51896	.015	.017	52547	.117	.07
50019	.02	(a)	51400	.123	(a)	51900	.084	.10	52581	.37	2.19
50045	.088	(a)	51401	.181	(a)	51909	.115	.053	52619	.026	(a)
50047	.01	(a)	51500	.029	.116	51919	.033	(a)	52660	.093	—
51001	.03	.42	51516	.078	—	51926	.034	.044	52744	.43	.066
51005	.006	(a)	51517	.089	—	51927	.018	.132	52767	.107	(a)
51116	.075	.69	51550	.036	.40	51934	.037	.107	52876	(a)	(a)
51201	.013	(a)	51551	.013	.89	51941	.034	.041	52911	.02	.42
51205	.04	.059	51552	.022	.152	51942	.054	—	52967	.008	.058
51206	.006	.32	51553	.039	(a)	51956	.146	.205	53001	.075	.30
51210	.052	(a)	51554	.004	(a)	51957	.128	.46	53077	.036	.219
51211	(a)	(a)	51575	.046	.021	51958	.114	.37	53095	.025	(a)
51220	.177	1.90	51576	.07	.097	51959	.117	(a)	53096	.035	(a)
51221	.099	1.76	51600	.048	.172	51960	.015	.33	53121	.098	.40
51222	.12	4.53	51613	.031	.139	51970	.067	.177	53147	.018	(a)
51224	.126	1.49	51625	.027	(a)	51982	.02	.077	53229	.101	(a)
51230	.021	.74	51666	.074	.089	51985	.073	—	53271	.018	(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	.099	.248	55715	.077	.203	56918	.04	(a)	58096	.069	1.49
53374	.113	.26	55716	.111	.49	56919	.103	(a)	58301	.032	.077
53375	.06	.27	55717	.135	(a)	56920	.094	(a)	58302	.018	.051
53376	.096	.183	55718	.131	(a)	56980	.038	(a)	58397	.107	.65
53377	.098	.188	55802	.075	.011	57001	.013	.023	58408	.062	—
53403	.062	(a)	55918	.044	2.26	57002	.008	.096	58409	.078	—
53425	.094	(a)	55919	.006	3.42	57090	.15	.68	58456	.042	—
53565	.072	.096	56040	.004	.03	57146	.095	.75	58457	.061	—
53631	.011	.021	56041	.027	(a)	57202	.034	(a)	58458	.078	—
53632	.013	.032	56042	.035	(a)	57257	.042	.034	58459	.094	—
53731	.012	(a)	56170	.092	(a)	57401	.024	.089	58503	.029	.077
53732	.082	.47	56171	.045	(a)	57403	.153	.033	58532	.037	(a)
53733	.053	.228	56202	.027	.078	57410	.012	.173	58559	.008	(a)
53734	.47	—	56390	.048	.70	57411	.023	(a)	58560	.018	(a)
53803	.223	(a)	56391	.041	.30	57572	.007	.099	58561	(a)	(a)
53901	(a)	(a)	56427	.066	.119	57600	.02	.033	58575	.023	.111
53902	(a)	(a)	56488	.124	.038	57611	.049	.055	58627	.075	.012
53903	(a)	(a)	56567	.095	(a)	57625	.177	(a)	58663	.211	.95
53904	(a)	(a)	56650	.29	(a)	57651	.022	.039	58682	.067	(a)
53905	(a)	(a)	56651	.158	(a)	57690	.064	.45	58713	.048	(a)
53907	.036	.086	56652	.113	(a)	57716	.03	.074	58737	.049	.55
53951	(a)	(a)	56653	.109	(a)	57725	.067	.075	58756	.039	(a)
53952	(a)	(a)	56654	.056	(a)	57726	.052	.023	58757	.164	(a)
53953	(a)	(a)	56690	.064	.33	57798	.011	(a)	58759	.02	(a)
54012	.047	—	56699	.031	.067	57800	.041	(a)	58802	.023	.48
54077	.049	.39	56758	.026	.14	57808	.025	(a)	58813	.097	(a)
54444	(a)	(a)	56759	.026	.078	57809	.026	(a)	58822	.063	(a)
55010	.149	.98	56760	.038	.099	57810	.025	.10	58837	.195	.161
55011	.04	1.75	56805	.05	(a)	57871	.03	.111	58840	.058	.121
55012	.048	1.11	56806	.035	(a)	57913	.053	.26	58873	.093	.027
55013	.085	1.12	56807	.035	(a)	57997	.105	—	58903	.014	(a)
55014	(a)	(a)	56808	.046	(a)	57998	.023	.054	58904	.011	.12
55214	.039	.083	56900	.044	(a)	57999	.042	.07	58922	.154	.179
55371	.29	.108	56910	.022	(a)	58009	.042	(a)	59005	.027	.089
55410	(a)	(a)	56911	.082	(a)	58010	.054	(a)	59057	.203	(a)
55426	.103	(a)	56912	.067	.084	58020	.164	(a)	59058	.131	(a)
55597	.01	1.68	56913	.054	(a)	58056	.065	(a)	59188	.33	.052
55647	.019	.065	56915	.32	(a)	58057	.041	(a)	59189	.45	.28
55648	.009	(a)	56916	.29	.215	58058	.037	(a)	59223	.096	.103
55649	.01	(a)	56917	.084	(a)	58095	.052	1.79	59257	.007	.012

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	.046	(a)	59923	.005	.005	62003	13.60	—	91125	2.99	1.65
59378	.062	.141	59925	.39	1.19	63010	32.30	—	91127	2.88	1.24
59481	.125	.096	59926	.33	.46	63011	40.30	—	91130	1.44	—
59482	.34	(a)	59927	.221	1.30	63012	57.30	—	91135	.40	(a)
59537	.067	.232	59931	.096	.48	63013	54.30	—	91150	2.72	6.22
59601	.047	2.23	59932	.103	.80	63215	44.90	—	91155	6.04	40.80
59647	.152	.158	59941	.032	(a)	63216	31.10	—	91160	1.20	—
59660	.086	1.06	59947	.043	.30	63217	36.90	—	91175	1.03	—
59661	.042	(a)	59955	.012	.132	63218	12.40	—	91177	4.52	—
59693	.007	—	59963	.092	.37	63219	(a)	—	91179	4.54	—
59695	(a)	(a)	59964	.215	.066	63220	(a)	—	91190	2.44	(a)
59701	.004	.33	59970	.057	.169	64074	28.40	—	91200	.82	—
59713	.077	.33	59973	.059	(a)	64075	20.00	—	91210	(a)	—
59722	.04	.028	59975	.08	.19	64500	(a)	—	91235	3.32	2.39
59723	.015	.034	59977	.046	(a)	65007	27.30	—	91250	5.00	(a)
59724	.023	.015	59984	.016	.049	66122	11.70	—	91265	17.50	1.87
59725	.029	.145	59985	.063	(a)	66123	6.46	—	91266	9.28	1.25
59726	.021	.023	59986	.048	(a)	66309	18.90	—	91280	(a)	4.06
59738	.067	.059	59988	.021	.055	66561	43.70	—	91302	18.70	(a)
59750	.05	.181	59989	.008	.041	67017	40.60	—	91315	5.67	—
59751	.018	(a)	60010	17.90	—	67508	36.30	—	91324	12.60	(a)
59773	.019	.026	60011	20.60	—	67509	26.60	—	91325	(a)	(a)
59774	.016	.141	60012	33.90	—	67510	14.80	—	91340	8.24	9.20
59775	.02	.178	60013	29.00	—	67511	16.00	—	91341	5.19	5.78
59781	.044	.085	60015	21.70	—	67512	68.60	—	91342	7.56	4.10
59782	.065	.56	60016	24.40	—	67513	43.50	—	91343	1.14	1.88
59783	.063	(a)	60035	30.80	—	67634	35.10	—	91405	9.60	—
59784	.048	(a)	61000	17.70	—	67635	24.80	—	91436	5.87	3.06
59790	.052	(a)	61212	15.70	—	68001	75.80	—	91481	21.40	—
59798	.165	.46	61216	17.50	—	68439	97.50	—	91507	3.16	3.14
59806	.118	(a)	61217	15.90	—	68500	3.94	—	91523	48.70	—
59867	.058	(a)	61218	10.80	—	68604	1.82	—	91547	.28	—
59886	.008	.10	61223	77.10	—	68606	7.12	—	91551	1.72	.73
59889	.063	.187	61224	24.60	—	68607	5.63	—	91555	2.00	1.17
59892	.063	(a)	61225	34.10	—	68702	4.64	—	91560	5.13	4.21
59904	.043	.076	61226	57.40	—	68703	3.48	—	91562	3.82	—
59905	.036	.12	61227	52.50	—	68706	14.90	—	91577	13.70	4.08
59914	.214	.69	62000	12.00	—	68707	14.70	—	91580	6.77	—
59915	.142	.66	62001	9.43	—	90089	4.97	—	91581	(a)	(a)
59917	.026	.232	62002	4.31	—	91111	4.28	7.75	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	3.32	3.95	98308	1.31	1.21
91584	(a)	(a)	94569	3.38	4.32	97308	.72	—	98309	6.15	2.64
91585	(a)	(a)	94590	14.60	—	97447	2.36	6.14	98344	1.28	.81
91586	(a)	(a)	94617	4.60	—	97501	(a)	—	98405	2.12	—
91587	(a)	(a)	94638	(a)	—	97502	(a)	—	98413	16.60	(a)
91588	(a)	(a)	95124	1.70	1.10	97503	(a)	—	98414	15.20	(a)
91589	(a)	(a)	95233	3.64	—	97504	(a)	—	98415	1.99	(a)
91590	3.97	—	95305	3.95	—	97650	4.21	4.49	98423	4.74	(a)
91591	(a)	(a)	95306	5.64	—	97651	6.97	4.25	98424	8.05	(a)
91606	14.00	—	95310	9.43	1.30	97652	6.05	5.67	98425	3.30	(a)
91618	(a)	(a)	95357	1.44	—	97653	3.60	3.12	98426	2.92	(a)
91629	2.87	(a)	95358	(a)	—	97654	6.28	3.38	98427	2.84	—
91636	4.92	—	95410	5.10	2.96	97655	5.38	4.26	98428	(a)	—
91641	1.33	(a)	95455	5.95	1.70	98002	.97	1.11	98429	1.28	—
91666	1.07	(a)	95487	2.73	(a)	98003	1.13	(a)	98430	(a)	—
91722	4.31	(a)	95505	2.77	2.77	98090	.151	—	98449	4.08	25.10
91746	3.82	7.38	95620	2.22	(a)	98091	.164	—	98482	4.38	8.11
91805	.24	—	95625	8.92	4.63	98092	.50	—	98483	6.46	22.10
92053	.59	.63	95630	(a)	(a)	98111	.84	—	98502	6.19	4.77
92054	.203	.217	95647	4.00	7.98	98150	(a)	—	98555	2.88	—
92055	5.67	.209	95648	(a)	(a)	98151	(a)	—	98597	.65	—
92101	8.86	3.49	96053	3.04	4.41	98152	3.28	.71	98598	.222	—
92102	5.34	4.01	96317	1.49	—	98153	3.69	(a)	98601	7.40	(a)
92215	4.76	3.78	96408	4.41	15.30	98154	4.36	(a)	98622	(a)	—
92338	2.05	2.59	96409	4.08	12.10	98155	6.10	(a)	98623	(a)	—
92445	2.82	—	96410	3.58	11.00	98156	(a)	(a)	98624	1.16	—
92446	6.74	1.54	96611	1.89	1.69	98157	3.90	.37	98636	4.08	4.15
92447	5.89	1.82	96702	5.08	(a)	98158	(a)	(a)	98640	128.00	—
92451	3.32	2.68	96703	(a)	—	98159	2.61	(a)	98658	6.31	—
92453	3.73	—	96816	4.76	—	98160	5.54	(a)	98659	1.13	.34
92478	1.85	2.02	96872	5.28	(a)	98161	6.20	(a)	98677	20.10	10.20
92593	43.60	—	96930	(a)	—	98162	(a)	(a)	98678	17.90	17.50
92663	.67	—	97002	(a)	(a)	98163	6.51	.195	98698	(a)	(a)
94007	12.60	6.06	97003	(a)	(a)	98164	2.80	.057	98699	5.82	(a)
94099	2.88	—	97047	5.74	—	98257	1.70	—	98705	8.92	—
94225	10.10	—	97050	4.46	—	98303	12.30	6.79	98710	4.04	—
94276	5.28	4.69	97111	6.09	—	98304	6.30	4.73	98751	4.77	—
94304	4.24	(a)	97220	.38	(a)	98305	4.61	2.37	98805	5.28	1.67
94381	7.96	13.60	97221	(a)	1.38	98306	11.90	.91	98806	3.80	3.76
94404	5.00	5.28	97222	2.20	2.07	98307	1.99	.41	98810	6.50	—

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	6.27	1.83	99620	.55	—						
98820	10.10	3.79	99650	1.80	1.15						
98871	(a)	(a)	99709	4.44	(a)						
98884	2.62	1.98	99718	1.62	—						
98914	.77	.52	99746	2.75	3.82						
98949	1.08	.27	99760	.31	—						
98967	4.12	13.20	99777	11.30	—						
98993	7.80	4.02	99793	3.49	—						
99003	1.96	1.85	99798	(a)	(a)						
99004	5.21	1.85	99803	(a)	10.50						
99080	1.38	7.58	99826	1.28	.64						
99081	(a)	—	99827	.50	.58						
99082	(a)	—	99851	2.03	—						
99083	(a)	—	99917	3.29	—						
99084	(a)	(a)	99938	3.69	—						
99085	(a)	(a)	99943	10.70	—						
99111	2.01	—	99946	7.98	2.95						
99160	(a)	—	99948	9.40	25.50						
99163	4.80	.39	99952	9.52	23.90						
99165	1.05	(a)	99953	10.30	11.50						
99220	1.69	(a)	99954	7.48	10.20						
99221	(a)	(a)	99955	9.37	7.33						
99222	3.18	(a)	99963	.79	—						
99223	.30	(a)	99969	3.08	3.28						
99303	16.10	—	99975	8.31	—						
99310	4.02	(a)	99986	(a)	—						
99315	11.80	2.28	99987	(a)	—						
99321	11.50	2.61	99988	2.72	—						
99445	(a)	(a)									
99471	.77	—									
99505	6.60	—									
99506	8.12	—									
99507	7.08	—									
99570	3.80	(a)									
99571	.92	(a)									
99572	1.80	(a)									
99573	1.72	(a)									
99600	2.27	—									
99613	10.20	2.45									
99614	5.06	—									

\$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	.105	.189	10150	.42	(a)	11204	.26	2.19	13111	1.23	.092
10011	.025	(a)	10151	10.50	—	11205	(a)	—	13112	.055	.063
10012	.029	(a)	10160	1.88	—	11206	.76	—	13201	1.08	.144
10015	5.01	—	10204	.19	—	11207	9.62	—	13204	1.22	1.14
10020	(a)	(a)	10205	.212	—	11208	1.65	—	13205	.47	.42
10025	.025	(a)	10210	.34	(a)	11209	7.74	—	13206	(a)	(a)
10026	.55	.031	10211	.34	(a)	11210	3.30	—	13207	(a)	(a)
10027	.025	(a)	10220	3.98	—	11211	17.10	—	13208	(a)	(a)
10036	.80	(a)	10255	.30	.151	11212	2.59	—	13314	.101	.014
10040	.08	.32	10256	1.09	.183	11213	2.11	—	13351	.247	.066
10042	.31	.46	10257	.205	.148	11214	5.21	—	13352	.25	.061
10052	3.46	—	10309	.137	.024	11222	.088	—	13410	1.71	2.35
10054	3.07	—	10315	.32	(a)	11234	.238	.088	13411	(a)	(a)
10060	.15	.123	10331	6.79	—	11248	.057	.016	13412	.58	1.21
10065	.225	.047	10332	11.70	—	11258	1.33	.179	13453	.67	(a)
10066	.229	.094	10352	.64	.05	11259	1.42	.103	13454	.78	(a)
10070	.06	.151	10367	4.41	—	11273	11.80	—	13455	.79	(a)
10071	.27	.182	10368	6.45	—	11274	11.30	—	13461	(a)	(a)
10072	4.99	—	10375	(a)	—	11288	1.62	.077	13506	.78	.094
10073	1.25	.63	10378	6.88	—	12014	.122	.048	13507	.93	.203
10075	9.28	.30	10379	3.19	—	12356	1.00	.045	13590	.59	.67
10100	1.10	.061	10380	5.45	—	12361	.065	.07	13621	.149	.33
10101	.203	.177	10381	4.72	—	12362	.066	(a)	13670	.036	.017
10105	2.19	—	11007	1.88	—	12373	.025	.023	13673	1.00	.018
10107	3.82	.42	11020	.26	.21	12374	.52	.068	13715	.066	.145
10110	17.10	—	11039	1.09	.073	12375	.26	.029	13716	.38	.156
10111	.132	.067	11052	4.30	—	12391	.05	.07	13720	.57	.057
10113	.30	—	11101	(a)	(a)	12393	.34	(a)	13759	.15	.147
10115	.60	.113	11120	(a)	—	12467	.141	(a)	13930	.141	.174
10117	4.98	—	11126	.053	.024	12509	.074	.031	14068	.033	.012
10119	(a)	—	11127	.34	.013	12510	.94	.037	14101	.39	.059
10120	11.20	—	11128	.45	.122	12583	.42	(a)	14279	.57	.08
10130	2.99	—	11138	1.70	—	12651	1.22	.51	14401	1.34	.068
10132	2.58	—	11155	.181	—	12683	.56	(a)	14405	1.10	—
10133	4.13	—	11160	(a)	(a)	12707	.43	.56	14527	.27	.179
10135	(a)	—	11167	.99	—	12797	.091	.194	14655	.075	—
10140	.03	.022	11168	5.14	—	12805	.27	.154	14731	4.27	—
10141	.059	.023	11201	16.40	—	12841	.45	—	14732	.32	—
10145	.29	.009	11202	4.86	—	12927	.079	—	14733	.52	—
10146	.49	.015	11203	.78	.46	13049	.034	.051	14734	.225	—

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	.26	.133	16670	2.82	—	18501	1.07	.011	40072	(a)	—
14913	.28	.199	16676	.25	.019	18506	.52	.008	40075	31.90	—
15060	(a)	(a)	16694	.49	(a)	18507	.159	.01	40101	12.50	—
15061	(a)	(a)	16705	.211	.131	18570	1.66	—	40102	11.00	—
15062	.235	(a)	16722	(a)	—	18575	(a)	(a)	40111	5.54	—
15063	.27	(a)	16723	(a)	—	18616	.40	.59	40115	(a)	—
15070	.148	—	16750	.088	.034	18707	.01	.005	40117	(a)	—
15119	(a)	—	16751	.088	—	18708	.097	.029	40140	(a)	—
15120	(a)	—	16819	1.42	(a)	18833	.119	(a)	41001	.187	—
15123	4.12	—	16820	1.10	(a)	18834	.25	.174	41210	(a)	—
15124	1.44	—	16881	1.38	(a)	18911	.79	.028	41421	.51	—
15188	.41	(a)	16890	.167	(a)	18912	1.49	.048	41422	.27	—
15223	.043	.044	16891	.182	(a)	18920	.39	.027	41510	39.90	—
15224	.60	.058	16892	.33	(a)	18991	(a)	—	41603	23.90	—
15300	(a)	—	16900	2.29	.086	19007	1.61	—	41604	13.20	—
15314	.181	(a)	16901	1.47	.097	19051	3.57	—	41620	1.38	—
15404	.107	(a)	16902	1.25	.065	19061	(a)	—	41650	33.70	—
15405	.158	(a)	16905	2.41	.086	19795	.26	(a)	41664	23.60	—
15406	.40	.053	16906	1.54	.097	19796	.30	—	41665	2.77	—
15488	1.00	(a)	16910	1.37	.067	40005	(a)	—	41666	(a)	—
15538	.32	.023	16911	1.25	.051	40006	(a)	—	41667	64.60	—
15600	.81	.148	16915	1.41	.055	40010	(a)	—	41668	60.60	—
15607	.193	—	16916	1.17	.05	40015	(a)	—	41669	.42	—
15608	.181	.013	16920	3.13	.141	40020	(a)	—	41670	.71	—
15656	5.34	—	16921	2.86	.051	40026	(a)	—	41672	(a)	—
15699	.48	—	16930	1.80	.218	40031	(a)	—	41673	(a)	—
15733	.26	.034	16931	1.94	.092	40032	(a)	—	41675	(a)	—
15839	.242	.033	16940	3.90	.051	40040	(a)	—	41677	.28	—
15991	.198	.116	16941	1.56	.093	40041	(a)	—	41678	39.40	—
15993	.167	.073	18078	.12	.187	40042	(a)	—	41679	(a)	(a)
16005	.035	.031	18109	.33	.042	40045	156.00	—	41680	17.50	—
16009	.32	.106	18110	.26	.057	40046	30.90	—	41696	.90	—
16402	1.20	—	18200	(a)	—	40047	11.00	—	41697	.63	—
16403	.76	.247	18205	.185	.38	40059	3.94	—	41700	(a)	—
16404	.96	—	18206	.43	.179	40061	2.09	—	41715	11.10	—
16471	.27	—	18335	.31	.027	40063	69.90	—	41716	7.08	—
16501	.074	(a)	18435	1.17	.058	40064	20.60	—	43007	(a)	—
16527	.114	.32	18436	.94	.113	40066	(a)	—	43117	(a)	—
16588	.149	(a)	18437	.44	(a)	40067	(a)	—	43151	15.80	—
16604	.25	.122	18438	.85	(a)	40069	(a)	—	43152	11.80	—

\$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	60.30	—	44112	3.11	—	45771	.47	.139	47254	(a)	—
43215	(a)	—	44113	(a)	—	45819	.152	.087	47318	6.59	—
43421	16.50	—	44193	(a)	—	45900	.093	.037	47367	.28	—
43422	86.70	—	44194	(a)	—	45901	.079	.045	47420	1.44	—
43424	(a)	—	44222	(a)	—	45937	.136	—	47468	(a)	—
43470	5.23	—	44276	80.90	—	45993	(a)	(a)	47469	5.06	—
43517	(a)	—	44277	52.50	—	46004	32.00	—	47471	4.38	—
43518	10.10	—	44280	.28	—	46005	25.60	—	47473	5.73	—
43550	58.90	—	44311	5.23	—	46112	.049	—	47474	6.41	—
43551	32.70	—	44315	3.52	—	46202	2.38	—	47475	5.06	—
43626	8.10	—	44427	45.20	—	46362	138.00	—	47476	5.06	—
43628	105.00	—	44428	45.40	—	46426	20.10	—	47477	6.75	—
43629	89.20	—	44429	.68	—	46427	26.90	—	47478	7.08	—
43754	(a)	—	44430	.47	—	46510	(a)	—	47600	(a)	—
43760	2.97	—	44431	1.51	—	46590	(a)	—	47610	(a)	—
43822	4.16	—	44432	.48	—	46603	1.69	—	48039	42.80	—
43840	.051	—	44433	15.30	—	46604	1.95	—	48177	(a)	—
43860	3.27	—	44434	29.20	—	46606	5.19	—	48178	(a)	—
43889	1.17	—	44435	30.30	—	46607	7.14	—	48206	21.40	—
43945	(a)	—	44436	35.30	—	46622	12.20	—	48252	(a)	—
43946	(a)	—	44437	29.30	—	46671	(a)	—	48441	.09	—
43990	(a)	(a)	44438	23.10	—	46700	121.00	—	48557	9.00	—
43991	(a)	—	44439	45.00	—	46773	(a)	—	48558	7.83	—
44009	5.03	—	44440	37.30	—	46822	(a)	—	48600	40.20	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	8.66	—	44501	(a)	—	46882	(a)	—	48636	.77	(a)
44070	2.56	—	45190	1.88	—	46911	16.00	—	48637	6.88	—
44071	2.85	—	45191	1.33	—	46912	29.40	—	48638	3.41	—
44072	1.97	—	45192	1.56	—	46913	(a)	—	48727	(a)	—
44100	9.34	—	45193	.92	—	46914	(a)	—	48808	1.37	—
44101	9.73	—	45210	1.16	—	46915	(a)	—	48924	(a)	—
44102	7.59	—	45224	(a)	—	46916	(a)	—	48925	165.00	—
44103	6.71	—	45225	(a)	—	47050	1.14	—	49005	.193	—
44104	2.82	—	45334	34.80	—	47051	(a)	—	49111	2.09	—
44105	(a)	—	45380	.31	(a)	47052	(a)	—	49181	14.00	—
44106	(a)	—	45450	10.20	—	47103	(a)	—	49183	17.00	—
44108	3.31	—	45523	(a)	—	47146	(a)	—	49184	35.90	—
44109	8.36	—	45524	(a)	—	47147	(a)	—	49185	32.70	—
44110	8.56	—	45539	(a)	—	47221	133.00	—	49239	.229	.46
44111	5.25	—	45678	.31	—	47253	(a)	—	49292	1.02	—

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	.29	.196	51702	.073	(a)	51986	.141	.096
49333	7.50	—	51241	.86	.218	51703	.03	(a)	51999	.059	.40
49451	(a)	—	51250	.122	(a)	51734	.057	.35	52002	.052	.114
49452	(a)	—	51251	.025	(a)	51741	.15	.243	52075	.09	.222
49617	.34	.28	51252	.087	.074	51752	.127	.15	52076	.108	(a)
49618	.29	.098	51253	.074	(a)	51767	.021	.007	52109	.013	(a)
49619	.54	.168	51254	.023	.032	51777	.073	.077	52134	.174	.60
49763	3.48	—	51255	.31	(a)	51790	.122	(a)	52137	.035	(a)
49800	(a)	—	51300	.101	.147	51796	.055	(a)	52150	.32	(a)
49801	117.00	—	51305	.101	.88	51808	.195	.68	52315	.096	.27
49802	10.40	—	51315	.149	.096	51809	.242	.146	52341	.022	(a)
49803	18.40	—	51330	.047	.66	51833	.11	.054	52342	.064	(a)
49840	1.17	—	51333	.015	.32	51850	.114	(a)	52343	.039	(a)
49870	68.80	—	51340	.024	(a)	51851	.077	(a)	52401	.121	(a)
49890	(a)	—	51350	.17	.127	51852	.181	(a)	52402	.013	(a)
49891	(a)	—	51351	.153	.049	51853	.073	(a)	52432	.065	(a)
49902	(a)	—	51352	.209	.101	51854	.163	(a)	52433	.06	.80
49903	(a)	—	51355	.143	.091	51855	.171	(a)	52435	.075	(a)
50010	.141	.38	51356	.154	.56	51856	.094	(a)	52438	.054	(a)
50011	.043	(a)	51357	.211	.76	51857	.161	(a)	52440	.085	(a)
50012	.052	(a)	51358	.51	.129	51869	.065	.136	52467	.078	(a)
50015	.091	(a)	51359	.45	.71	51877	.36	.191	52469	.027	.096
50017	.07	(a)	51370	.28	3.83	51889	.06	.011	52505	.136	.237
50018	.039	(a)	51380	.028	.041	51896	.028	.017	52547	.104	.07
50019	.037	(a)	51400	.11	(a)	51900	.082	.10	52581	.66	2.19
50045	.159	(a)	51401	.162	(a)	51909	.103	.053	52619	.047	(a)
50047	.018	(a)	51500	.053	.116	51919	.06	(a)	52660	.101	—
51001	.026	.42	51516	.085	—	51926	.061	.044	52744	.42	.066
51005	.005	(a)	51517	.097	—	51927	.033	.132	52767	.096	(a)
51116	.067	.69	51550	.066	.40	51934	.067	.107	52876	(a)	(a)
51201	.024	(a)	51551	.023	.89	51941	.061	.041	52911	.037	.42
51205	.073	.059	51552	.04	.152	51942	.098	—	52967	.014	.058
51206	.011	.32	51553	.071	(a)	51956	.26	.205	53001	.137	.30
51210	.046	(a)	51554	.007	(a)	51957	.233	.46	53077	.066	.219
51211	(a)	(a)	51575	.046	.021	51958	.207	.37	53095	.045	(a)
51220	.159	1.90	51576	.127	.097	51959	.212	(a)	53096	.063	(a)
51221	.088	1.76	51600	.086	.172	51960	.028	.33	53121	.178	.40
51222	.107	4.53	51613	.057	.139	51970	.122	.177	53147	.016	(a)
51224	.112	1.49	51625	.024	(a)	51982	.036	.077	53229	.09	(a)
51230	.019	.74	51666	.072	.089	51985	.08	—	53271	.034	(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	.089	.248	55715	.14	.203	56918	.036	(a)	58096	.124	1.49
53374	.111	.26	55716	.202	.49	56919	.092	(a)	58301	.029	.077
53375	.059	.27	55717	.121	(a)	56920	.084	(a)	58302	.034	.051
53376	.095	.183	55718	.118	(a)	56980	.069	(a)	58397	.195	.65
53377	.097	.188	55802	.073	.011	57001	.024	.023	58408	.067	—
53403	.061	(a)	55918	.08	2.26	57002	.015	.096	58409	.085	—
53425	.084	(a)	55919	.011	3.42	57090	.134	.68	58456	.045	—
53565	.071	.096	56040	.008	.03	57146	.085	.75	58457	.066	—
53631	.021	.021	56041	.05	(a)	57202	.061	(a)	58458	.085	—
53632	.024	.032	56042	.063	(a)	57257	.076	.034	58459	.102	—
53731	.022	(a)	56170	.082	(a)	57401	.043	.089	58503	.052	.077
53732	.149	.47	56171	.04	(a)	57403	.15	.033	58532	.067	(a)
53733	.097	.228	56202	.05	.078	57410	.021	.173	58559	.014	(a)
53734	.51	—	56390	.087	.70	57411	.021	(a)	58560	.033	(a)
53803	.20	(a)	56391	.075	.30	57572	.012	.099	58561	(a)	(a)
53901	(a)	(a)	56427	.12	.119	57600	.037	.033	58575	.042	.111
53902	(a)	(a)	56488	.122	.038	57611	.044	.055	58627	.136	.012
53903	(a)	(a)	56567	.085	(a)	57625	.32	(a)	58663	.189	.95
53904	(a)	(a)	56650	.26	(a)	57651	.039	.039	58682	.121	(a)
53905	(a)	(a)	56651	.142	(a)	57690	.057	.45	58713	.047	(a)
53907	.065	.086	56652	.101	(a)	57716	.027	.074	58737	.088	.55
53951	(a)	(a)	56653	.098	(a)	57725	.06	.075	58756	.035	(a)
53952	(a)	(a)	56654	.05	(a)	57726	.046	.023	58757	.30	(a)
53953	(a)	(a)	56690	.063	.33	57798	.02	(a)	58759	.037	(a)
54012	.051	—	56699	.055	.067	57800	.074	(a)	58802	.042	.48
54077	.089	.39	56758	.047	.14	57808	.023	(a)	58813	.087	(a)
54444	(a)	(a)	56759	.048	.078	57809	.024	(a)	58822	.115	(a)
55010	.27	.98	56760	.069	.099	57810	.023	.10	58837	.174	.161
55011	.073	1.75	56805	.091	(a)	57871	.027	.111	58840	.052	.121
55012	.087	1.11	56806	.064	(a)	57913	.096	.26	58873	.083	.027
55013	.076	1.12	56807	.064	(a)	57997	.114	—	58903	.026	(a)
55014	(a)	(a)	56808	.083	(a)	57998	.042	.054	58904	.02	.12
55214	.07	.083	56900	.08	(a)	57999	.037	.07	58922	.138	.179
55371	.28	.108	56910	.04	(a)	58009	.037	(a)	59005	.05	.089
55410	(a)	(a)	56911	.073	(a)	58010	.099	(a)	59057	.37	(a)
55426	.092	(a)	56912	.06	.084	58020	.161	(a)	59058	.238	(a)
55597	.018	1.68	56913	.048	(a)	58056	.118	(a)	59188	.32	.052
55647	.035	.065	56915	.29	(a)	58057	.074	(a)	59189	.44	.28
55648	.016	(a)	56916	.26	.215	58058	.067	(a)	59223	.086	.103
55649	.019	(a)	56917	.075	(a)	58095	.094	1.79	59257	.013	.012

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	.084	(a)	59923	.01	.005	62003	10.60	—	91125	2.99	1.65
59378	.056	.141	59925	.46	1.19	63010	20.60	—	91127	2.88	1.24
59481	.226	.096	59926	.39	.46	63011	25.70	—	91130	1.44	—
59482	.33	(a)	59927	.26	1.30	63012	36.60	—	91135	.40	(a)
59537	.06	.232	59931	.174	.48	63013	34.70	—	91150	2.72	6.22
59601	.085	2.23	59932	.188	.80	63215	35.20	—	91155	6.04	40.80
59647	.149	.158	59941	.058	(a)	63216	24.40	—	91160	1.20	—
59660	.157	1.06	59947	.038	.30	63217	31.40	—	91175	1.03	—
59661	.077	(a)	59955	.022	.132	63218	10.60	—	91177	4.52	—
59693	.013	—	59963	.166	.37	63219	(a)	—	91179	4.54	—
59695	(a)	(a)	59964	.39	.066	63220	(a)	—	91190	2.44	(a)
59701	.006	.33	59970	.051	.169	64074	13.30	—	91200	.82	—
59713	.14	.33	59973	.107	(a)	64075	9.33	—	91210	(a)	—
59722	.073	.028	59975	.072	.19	64500	(a)	—	91235	3.32	2.39
59723	.027	.034	59977	.041	(a)	65007	21.40	—	91250	5.00	(a)
59724	.042	.015	59984	.029	.049	66122	9.21	—	91265	17.50	1.87
59725	.052	.145	59985	.115	(a)	66123	5.07	—	91266	9.28	1.25
59726	.038	.023	59986	.088	(a)	66309	14.80	—	91280	(a)	4.06
59738	.121	.059	59988	.018	.055	66561	34.30	—	91302	18.70	(a)
59750	.045	.181	59989	.015	.041	67017	31.80	—	91315	5.67	—
59751	.016	(a)	60010	11.40	—	67508	40.50	—	91324	12.60	(a)
59773	.019	.026	60011	13.20	—	67509	29.70	—	91325	(a)	(a)
59774	.016	.141	60012	21.60	—	67510	16.50	—	91340	8.24	9.20
59775	.02	.178	60013	18.50	—	67511	17.90	—	91341	5.19	5.78
59781	.039	.085	60015	13.80	—	67512	76.60	—	91342	7.56	4.10
59782	.058	.56	60016	15.60	—	67513	48.60	—	91343	1.14	1.88
59783	.057	(a)	60035	24.10	—	67634	27.50	—	91405	9.60	—
59784	.043	(a)	61000	11.30	—	67635	19.50	—	91436	5.87	3.06
59790	.094	(a)	61212	12.30	—	68001	59.40	—	91481	21.40	—
59798	.148	.46	61216	13.70	—	68439	76.40	—	91507	3.16	3.14
59806	.106	(a)	61217	12.40	—	68500	2.52	—	91523	48.70	—
59867	.105	(a)	61218	8.50	—	68604	1.43	—	91547	.28	—
59886	.014	.10	61223	60.50	—	68606	5.58	—	91551	1.72	.73
59889	.062	.187	61224	19.30	—	68607	4.41	—	91555	2.00	1.17
59892	.057	(a)	61225	26.70	—	68702	3.64	—	91560	5.13	4.21
59904	.038	.076	61226	45.00	—	68703	2.72	—	91562	3.82	—
59905	.066	.12	61227	41.20	—	68706	11.70	—	91577	13.70	4.08
59914	.39	.69	62000	9.37	—	68707	11.50	—	91580	6.77	—
59915	.127	.66	62001	7.39	—	90089	4.97	—	91581	(a)	(a)
59917	.024	.232	62002	3.38	—	91111	4.28	7.75	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	3.32	3.95	98308	1.31	1.21
91584	(a)	(a)	94569	3.38	4.32	97308	.72	—	98309	6.15	2.64
91585	(a)	(a)	94590	14.60	—	97447	2.36	6.14	98344	1.28	.81
91586	(a)	(a)	94617	4.60	—	97501	(a)	—	98405	2.12	—
91587	(a)	(a)	94638	(a)	—	97502	(a)	—	98413	16.60	(a)
91588	(a)	(a)	95124	1.70	1.10	97503	(a)	—	98414	15.20	(a)
91589	(a)	(a)	95233	3.64	—	97504	(a)	—	98415	1.99	(a)
91590	3.97	—	95305	3.95	—	97650	4.21	4.49	98423	4.74	(a)
91591	(a)	(a)	95306	5.64	—	97651	6.97	4.25	98424	8.05	(a)
91606	14.00	—	95310	9.43	1.30	97652	6.05	5.67	98425	3.30	(a)
91618	(a)	(a)	95357	1.44	—	97653	3.60	3.12	98426	2.92	(a)
91629	2.87	(a)	95358	(a)	—	97654	6.28	3.38	98427	2.84	—
91636	4.92	—	95410	5.10	2.96	97655	5.38	4.26	98428	(a)	—
91641	1.33	(a)	95455	5.95	1.70	98002	.97	1.11	98429	1.28	—
91666	1.07	(a)	95487	2.73	(a)	98003	1.13	(a)	98430	(a)	—
91722	4.31	(a)	95505	2.77	2.77	98090	.151	—	98449	4.08	25.10
91746	3.82	7.38	95620	2.22	(a)	98091	.164	—	98482	4.38	8.11
91805	.24	—	95625	8.92	4.63	98092	.50	—	98483	6.46	22.10
92053	.59	.63	95630	(a)	(a)	98111	.84	—	98502	6.19	4.77
92054	.203	.217	95647	4.00	7.98	98150	(a)	—	98555	2.88	—
92055	5.67	.209	95648	(a)	(a)	98151	(a)	—	98597	.65	—
92101	8.86	3.49	96053	3.04	4.41	98152	3.28	.71	98598	.222	—
92102	5.34	4.01	96317	1.49	—	98153	3.69	(a)	98601	7.40	(a)
92215	4.76	3.78	96408	4.41	15.30	98154	4.36	(a)	98622	(a)	—
92338	2.05	2.59	96409	4.08	12.10	98155	6.10	(a)	98623	(a)	—
92445	2.82	—	96410	3.58	11.00	98156	(a)	(a)	98624	1.16	—
92446	6.74	1.54	96611	1.89	1.69	98157	3.90	.37	98636	4.08	4.15
92447	5.89	1.82	96702	5.08	(a)	98158	(a)	(a)	98640	128.00	—
92451	3.32	2.68	96703	(a)	—	98159	2.61	(a)	98658	6.31	—
92453	3.73	—	96816	4.76	—	98160	5.54	(a)	98659	1.13	.34
92478	1.85	2.02	96872	5.28	(a)	98161	6.20	(a)	98677	20.10	10.20
92593	43.60	—	96930	(a)	—	98162	(a)	(a)	98678	17.90	17.50
92663	.67	—	97002	(a)	(a)	98163	6.51	.195	98698	(a)	(a)
94007	12.60	6.06	97003	(a)	(a)	98164	2.80	.057	98699	5.82	(a)
94099	2.88	—	97047	5.74	—	98257	1.70	—	98705	8.92	—
94225	10.10	—	97050	4.46	—	98303	12.30	6.79	98710	4.04	—
94276	5.28	4.69	97111	6.09	—	98304	6.30	4.73	98751	4.77	—
94304	4.24	(a)	97220	.38	(a)	98305	4.61	2.37	98805	5.28	1.67
94381	7.96	13.60	97221	(a)	1.38	98306	11.90	.91	98806	3.80	3.76
94404	5.00	5.28	97222	2.20	2.07	98307	1.99	.41	98810	6.50	—

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	6.27	1.83	99620	.55	—						
98820	10.10	3.79	99650	1.80	1.15						
98871	(a)	(a)	99709	4.44	(a)						
98884	2.62	1.98	99718	1.62	—						
98914	.77	.52	99746	2.75	3.82						
98949	1.08	.27	99760	.31	—						
98967	4.12	13.20	99777	11.30	—						
98993	7.80	4.02	99793	3.49	—						
99003	1.96	1.85	99798	(a)	(a)						
99004	5.21	1.85	99803	(a)	10.50						
99080	1.38	7.58	99826	1.28	.64						
99081	(a)	—	99827	.50	.58						
99082	(a)	—	99851	2.03	—						
99083	(a)	—	99917	3.29	—						
99084	(a)	(a)	99938	3.69	—						
99085	(a)	(a)	99943	10.70	—						
99111	2.01	—	99946	7.98	2.95						
99160	(a)	—	99948	9.40	25.50						
99163	4.80	.39	99952	9.52	23.90						
99165	1.05	(a)	99953	10.30	11.50						
99220	1.69	(a)	99954	7.48	10.20						
99221	(a)	(a)	99955	9.37	7.33						
99222	3.18	(a)	99963	.79	—						
99223	.30	(a)	99969	3.08	3.28						
99303	16.10	—	99975	8.31	—						
99310	4.02	(a)	99986	(a)	—						
99315	11.80	2.28	99987	(a)	—						
99321	11.50	2.61	99988	2.72	—						
99445	(a)	(a)									
99471	.77	—									
99505	6.60	—									
99506	8.12	—									
99507	7.08	—									
99570	3.80	(a)									
99571	.92	(a)									
99572	1.80	(a)									
99573	1.72	(a)									
99600	2.27	—									
99613	10.20	2.45									
99614	5.06	—									

\$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
10010	.078	.189	10150	.52	(a)	11204	.33	2.19	13111	.82	.092
10011	.019	(a)	10151	13.10	—	11205	(a)	—	13112	.065	.063
10012	.022	(a)	10160	2.34	—	11206	.52	—	13201	.98	.144
10015	5.18	—	10204	.236	—	11207	6.56	—	13204	1.11	1.14
10020	(a)	(a)	10205	.26	—	11208	1.12	—	13205	.43	.42
10025	.019	(a)	10210	.42	(a)	11209	5.28	—	13206	(a)	(a)
10026	.68	.031	10211	.42	(a)	11210	2.25	—	13207	(a)	(a)
10027	.019	(a)	10220	4.96	—	11211	11.70	—	13208	(a)	(a)
10036	.73	(a)	10255	.27	.151	11212	1.77	—	13314	.126	.014
10040	.059	.32	10256	.98	.183	11213	1.44	—	13351	.31	.066
10042	.39	.46	10257	.186	.148	11214	3.55	—	13352	.31	.061
10052	3.58	—	10309	.17	.024	11222	.06	—	13410	1.55	2.35
10054	3.18	—	10315	.40	(a)	11234	.30	.088	13411	(a)	(a)
10060	.186	.123	10331	7.03	—	11248	.051	.016	13412	.52	1.21
10065	.28	.047	10332	12.10	—	11258	.88	.179	13453	.60	(a)
10066	.29	.094	10352	.43	.05	11259	.94	.103	13454	.70	(a)
10070	.045	.151	10367	3.01	—	11273	14.70	—	13455	.72	(a)
10071	.33	.182	10368	4.39	—	11274	14.10	—	13461	(a)	(a)
10072	3.40	—	10375	(a)	—	11288	1.08	.077	13506	.97	.094
10073	1.13	.63	10378	7.11	—	12014	.11	.048	13507	1.16	.203
10075	8.39	.30	10379	3.30	—	12356	1.24	.045	13590	.53	.67
10100	.73	.061	10380	5.64	—	12361	.076	.07	13621	.135	.33
10101	.25	.177	10381	4.88	—	12362	.049	(a)	13670	.043	.017
10105	2.73	—	11007	1.28	—	12373	.019	.023	13673	.67	.018
10107	3.45	.42	11020	.32	.21	12374	.65	.068	13715	.049	.145
10110	17.60	—	11039	.98	.073	12375	.32	.029	13716	.48	.156
10111	.098	.067	11052	3.89	—	12391	.037	.07	13720	.38	.057
10113	.38	—	11101	(a)	(a)	12393	.42	(a)	13759	.186	.147
10115	.75	.113	11120	(a)	—	12467	.175	(a)	13930	.105	.174
10117	5.15	—	11126	.066	.024	12509	.067	.031	14068	.041	.012
10119	(a)	—	11127	.249	.013	12510	.85	.037	14101	.48	.059
10120	11.50	—	11128	.34	.122	12583	.38	(a)	14279	.51	.08
10130	3.72	—	11138	1.76	—	12651	1.11	.51	14401	.89	.068
10132	3.21	—	11155	.225	—	12683	.51	(a)	14405	.75	—
10133	3.74	—	11160	(a)	(a)	12707	.32	.56	14527	.20	.179
10135	(a)	—	11167	.90	—	12797	.068	.194	14655	.093	—
10140	.035	.022	11168	4.64	—	12805	.34	.154	14731	3.86	—
10141	.07	.023	11201	11.20	—	12841	.56	—	14732	.29	—
10145	.34	.009	11202	3.31	—	12927	.099	—	14733	.65	—
10146	.33	.015	11203	.58	.46	13049	.039	.051	14734	.28	—

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	.237	.133	16670	2.92	—	18501	.71	.011	40072	(a)	—
14913	.35	.199	16676	.31	.019	18506	.47	.008	40075	39.10	—
15060	(a)	(a)	16694	.45	(a)	18507	.197	.01	40101	9.29	—
15061	(a)	(a)	16705	.157	.131	18570	2.06	—	40102	8.20	—
15062	.213	(a)	16722	(a)	—	18575	(a)	(a)	40111	5.73	—
15063	.248	(a)	16723	(a)	—	18616	.36	.59	40115	(a)	—
15070	.101	—	16750	.11	.034	18707	.007	.005	40117	(a)	—
15119	(a)	—	16751	.11	—	18708	.121	.029	40140	(a)	—
15120	(a)	—	16819	1.29	(a)	18833	.088	(a)	41001	.193	—
15123	3.73	—	16820	1.00	(a)	18834	.31	.174	41210	(a)	—
15124	1.30	—	16881	1.72	(a)	18911	.99	.028	41421	.243	—
15188	.37	(a)	16890	.151	(a)	18912	1.86	.048	41422	.13	—
15223	.05	.044	16891	.164	(a)	18920	.48	.027	41510	49.60	—
15224	.40	.058	16892	.30	(a)	18991	(a)	—	41603	11.50	—
15300	(a)	—	16900	2.36	.086	19007	1.46	—	41604	6.33	—
15314	.225	(a)	16901	1.52	.097	19051	3.23	—	41620	.94	—
15404	.097	(a)	16902	1.29	.065	19061	(a)	—	41650	16.20	—
15405	.143	(a)	16905	2.49	.086	19795	.32	(a)	41664	24.40	—
15406	.36	.053	16906	1.59	.097	19796	.38	—	41665	2.86	—
15488	.91	(a)	16910	1.42	.067	40005	(a)	—	41666	(a)	—
15538	.40	.023	16911	1.29	.051	40006	(a)	—	41667	66.80	—
15600	1.01	.148	16915	1.46	.055	40010	(a)	—	41668	62.60	—
15607	.132	—	16916	1.21	.05	40015	(a)	—	41669	.44	—
15608	.225	.013	16920	3.23	.141	40020	(a)	—	41670	.74	—
15656	6.64	—	16921	2.95	.051	40026	(a)	—	41672	(a)	—
15699	.33	—	16930	1.86	.218	40031	(a)	—	41673	(a)	—
15733	.237	.034	16931	2.00	.092	40032	(a)	—	41675	(a)	—
15839	.30	.033	16940	4.03	.051	40040	(a)	—	41677	.194	—
15991	.247	.116	16941	1.61	.093	40041	(a)	—	41678	26.80	—
15993	.208	.073	18078	.089	.187	40042	(a)	—	41679	(a)	(a)
16005	.026	.031	18109	.41	.042	40045	161.00	—	41680	8.43	—
16009	.29	.106	18110	.33	.057	40046	31.90	—	41696	.61	—
16402	1.49	—	18200	(a)	—	40047	11.40	—	41697	.43	—
16403	.94	.247	18205	.137	.38	40059	4.07	—	41700	(a)	—
16404	1.19	—	18206	.53	.179	40061	2.16	—	41715	5.35	—
16471	.186	—	18335	.38	.027	40063	72.30	—	41716	3.41	—
16501	.055	(a)	18435	.77	.058	40064	21.30	—	43007	(a)	—
16527	.084	.32	18436	.62	.113	40066	(a)	—	43117	(a)	—
16588	.135	(a)	18437	.55	(a)	40067	(a)	—	43151	19.50	—
16604	.226	.122	18438	1.05	(a)	40069	(a)	—	43152	8.02	—

\$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	74.00	—	44112	1.78	—	45771	.42	.139	47254	(a)	—
43215	(a)	—	44113	(a)	—	45819	.137	.087	47318	6.81	—
43421	20.30	—	44193	(a)	—	45900	.115	.037	47367	.194	—
43422	106.00	—	44194	(a)	—	45901	.099	.045	47420	1.49	—
43424	(a)	—	44222	(a)	—	45937	.167	—	47468	(a)	—
43470	3.56	—	44276	99.40	—	45993	(a)	(a)	47469	2.43	—
43517	(a)	—	44277	64.40	—	46004	15.40	—	47471	2.11	—
43518	10.50	—	44280	.194	—	46005	12.30	—	47473	2.76	—
43550	72.40	—	44311	5.41	—	46112	.037	—	47474	3.08	—
43551	40.20	—	44315	3.64	—	46202	2.07	—	47475	2.43	—
43626	8.38	—	44427	33.60	—	46362	93.50	—	47476	2.43	—
43628	109.00	—	44428	33.80	—	46426	13.70	—	47477	3.24	—
43629	92.30	—	44429	.51	—	46427	18.20	—	47478	3.41	—
43754	(a)	—	44430	.35	—	46510	(a)	—	47600	(a)	—
43760	3.07	—	44431	1.12	—	46590	(a)	—	47610	(a)	—
43822	2.84	—	44432	.36	—	46603	1.15	—	48039	52.50	—
43840	.035	—	44433	11.40	—	46604	1.32	—	48177	(a)	—
43860	2.23	—	44434	21.70	—	46606	3.52	—	48178	(a)	—
43889	.80	—	44435	22.50	—	46607	4.85	—	48206	22.20	—
43945	(a)	—	44436	26.30	—	46622	8.28	—	48252	(a)	—
43946	(a)	—	44437	21.80	—	46671	(a)	—	48441	.093	—
43990	(a)	(a)	44438	17.20	—	46700	149.00	—	48557	9.31	—
43991	(a)	—	44439	33.50	—	46773	(a)	—	48558	8.10	—
44009	4.54	—	44440	27.70	—	46822	(a)	—	48600	27.30	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	8.96	—	44501	(a)	—	46882	(a)	—	48636	1.16	(a)
44070	2.65	—	45190	1.63	—	46911	16.60	—	48637	7.11	—
44071	2.95	—	45191	1.15	—	46912	30.40	—	48638	3.53	—
44072	2.04	—	45192	1.35	—	46913	(a)	—	48727	(a)	—
44100	5.34	—	45193	.80	—	46914	(a)	—	48808	1.70	—
44101	5.56	—	45210	1.01	—	46915	(a)	—	48924	(a)	—
44102	4.34	—	45224	(a)	—	46916	(a)	—	48925	170.00	—
44103	3.84	—	45225	(a)	—	47050	.77	—	49005	.132	—
44104	1.61	—	45334	42.70	—	47051	(a)	—	49111	2.60	—
44105	(a)	—	45380	.28	(a)	47052	(a)	—	49181	17.20	—
44106	(a)	—	45450	12.60	—	47103	(a)	—	49183	20.90	—
44108	1.89	—	45523	(a)	—	47146	(a)	—	49184	44.10	—
44109	4.78	—	45524	(a)	—	47147	(a)	—	49185	40.20	—
44110	4.89	—	45539	(a)	—	47221	163.00	—	49239	.207	.46
44111	3.00	—	45678	.209	—	47253	(a)	—	49292	1.26	—

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	.28	.196	51702	.109	(a)	51986	.136	.096
49333	9.20	—	51241	.83	.218	51703	.045	(a)	51999	.057	.40
49451	(a)	—	51250	.183	(a)	51734	.085	.35	52002	.05	.114
49452	(a)	—	51251	.024	(a)	51741	.145	.243	52075	.135	.222
49617	.31	.28	51252	.084	.074	51752	.123	.15	52076	.162	(a)
49618	.26	.098	51253	.072	(a)	51767	.024	.007	52109	.013	(a)
49619	.48	.168	51254	.022	.032	51777	.084	.077	52134	.168	.60
49763	3.15	—	51255	.46	(a)	51790	.141	(a)	52137	.053	(a)
49800	(a)	—	51300	.116	.147	51796	.053	(a)	52150	.31	(a)
49801	144.00	—	51305	.116	.88	51808	.188	.68	52315	.11	.27
49802	12.80	—	51315	.135	.096	51809	.234	.146	52341	.033	(a)
49803	22.60	—	51330	.071	.66	51833	.127	.054	52342	.096	(a)
49840	.80	—	51333	.023	.32	51850	.171	(a)	52343	.058	(a)
49870	71.10	—	51340	.023	(a)	51851	.116	(a)	52401	.181	(a)
49890	(a)	—	51350	.196	.127	51852	.27	(a)	52402	.013	(a)
49891	(a)	—	51351	.175	.049	51853	.109	(a)	52432	.063	(a)
49902	(a)	—	51352	.24	.101	51854	.245	(a)	52433	.058	.80
49903	(a)	—	51355	.164	.091	51855	.26	(a)	52435	.072	(a)
50010	.136	.38	51356	.176	.56	51856	.141	(a)	52438	.052	(a)
50011	.064	(a)	51357	.191	.76	51857	.242	(a)	52440	.082	(a)
50012	.05	(a)	51358	.46	.129	51869	.062	.136	52467	.076	(a)
50015	.088	(a)	51359	.40	.71	51877	.35	.191	52469	.026	.096
50017	.067	(a)	51370	.27	3.83	51889	.058	.011	52505	.132	.237
50018	.058	(a)	51380	.027	.041	51896	.027	.017	52547	.157	.07
50019	.036	(a)	51400	.166	(a)	51900	.095	.10	52581	.64	2.19
50045	.154	(a)	51401	.244	(a)	51909	.154	.053	52619	.045	(a)
50047	.017	(a)	51500	.052	.116	51919	.058	(a)	52660	.069	—
51001	.04	.42	51516	.058	—	51926	.059	.044	52744	.48	.066
51005	.008	(a)	51517	.066	—	51927	.032	.132	52767	.143	(a)
51116	.10	.69	51550	.064	.40	51934	.065	.107	52876	(a)	(a)
51201	.023	(a)	51551	.022	.89	51941	.059	.041	52911	.036	.42
51205	.071	.059	51552	.038	.152	51942	.095	—	52967	.014	.058
51206	.011	.32	51553	.068	(a)	51956	.26	.205	53001	.132	.30
51210	.07	(a)	51554	.006	(a)	51957	.225	.46	53077	.063	.219
51211	(a)	(a)	51575	.052	.021	51958	.20	.37	53095	.043	(a)
51220	.238	1.90	51576	.123	.097	51959	.205	(a)	53096	.061	(a)
51221	.132	1.76	51600	.083	.172	51960	.027	.33	53121	.172	.40
51222	.161	4.53	51613	.055	.139	51970	.118	.177	53147	.024	(a)
51224	.169	1.49	51625	.036	(a)	51982	.035	.077	53229	.136	(a)
51230	.029	.74	51666	.083	.089	51985	.054	—	53271	.032	(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	.134	.248	55715	.135	.203	56918	.054	(a)	58096	.12	1.49
53374	.128	.26	55716	.195	.49	56919	.138	(a)	58301	.043	.077
53375	.068	.27	55717	.182	(a)	56920	.126	(a)	58302	.032	.051
53376	.109	.183	55718	.177	(a)	56980	.067	(a)	58397	.188	.65
53377	.111	.188	55802	.084	.011	57001	.023	.023	58408	.046	—
53403	.07	(a)	55918	.077	2.26	57002	.015	.096	58409	.058	—
53425	.126	(a)	55919	.011	3.42	57090	.202	.68	58456	.031	—
53565	.082	.096	56040	.007	.03	57146	.128	.75	58457	.045	—
53631	.02	.021	56041	.048	(a)	57202	.059	(a)	58458	.058	—
53632	.023	.032	56042	.061	(a)	57257	.074	.034	58459	.07	—
53731	.021	(a)	56170	.124	(a)	57401	.042	.089	58503	.05	.077
53732	.144	.47	56171	.061	(a)	57403	.173	.033	58532	.065	(a)
53733	.093	.228	56202	.048	.078	57410	.02	.173	58559	.013	(a)
53734	.35	—	56390	.084	.70	57411	.031	(a)	58560	.032	(a)
53803	.30	(a)	56391	.072	.30	57572	.012	.099	58561	(a)	(a)
53901	(a)	(a)	56427	.116	.119	57600	.035	.033	58575	.041	.111
53902	(a)	(a)	56488	.141	.038	57611	.066	.055	58627	.132	.012
53903	(a)	(a)	56567	.128	(a)	57625	.31	(a)	58663	.28	.95
53904	(a)	(a)	56650	.39	(a)	57651	.038	.039	58682	.117	(a)
53905	(a)	(a)	56651	.213	(a)	57690	.086	.45	58713	.054	(a)
53907	.063	.086	56652	.152	(a)	57716	.041	.074	58737	.085	.55
53951	(a)	(a)	56653	.147	(a)	57725	.089	.075	58756	.053	(a)
53952	(a)	(a)	56654	.075	(a)	57726	.07	.023	58757	.29	(a)
53953	(a)	(a)	56690	.073	.33	57798	.019	(a)	58759	.035	(a)
54012	.035	—	56699	.053	.067	57800	.072	(a)	58802	.04	.48
54077	.086	.39	56758	.045	.14	57808	.034	(a)	58813	.13	(a)
54444	(a)	(a)	56759	.046	.078	57809	.035	(a)	58822	.111	(a)
55010	.26	.98	56760	.067	.099	57810	.034	.10	58837	.26	.161
55011	.071	1.75	56805	.088	(a)	57871	.041	.111	58840	.078	.121
55012	.084	1.11	56806	.062	(a)	57913	.093	.26	58873	.125	.027
55013	.114	1.12	56807	.062	(a)	57997	.077	—	58903	.025	(a)
55014	(a)	(a)	56808	.081	(a)	57998	.041	.054	58904	.019	.12
55214	.068	.083	56900	.077	(a)	57999	.056	.07	58922	.207	.179
55371	.33	.108	56910	.039	(a)	58009	.056	(a)	59005	.048	.089
55410	(a)	(a)	56911	.11	(a)	58010	.095	(a)	59057	.36	(a)
55426	.138	(a)	56912	.089	.084	58020	.185	(a)	59058	.23	(a)
55597	.017	1.68	56913	.073	(a)	58056	.114	(a)	59188	.37	.052
55647	.034	.065	56915	.43	(a)	58057	.072	(a)	59189	.50	.28
55648	.015	(a)	56916	.39	.215	58058	.064	(a)	59223	.129	.103
55649	.018	(a)	56917	.113	(a)	58095	.091	1.79	59257	.013	.012

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	.081	(a)	59923	.009	.005	62003	7.22	—	91125	2.99	1.65
59378	.084	.141	59925	.41	1.19	63010	17.00	—	91127	2.88	1.24
59481	.219	.096	59926	.35	.46	63011	21.20	—	91130	1.44	—
59482	.38	(a)	59927	.237	1.30	63012	30.20	—	91135	.40	(a)
59537	.09	.232	59931	.168	.48	63013	28.60	—	91150	2.72	6.22
59601	.082	2.23	59932	.181	.80	63215	23.90	—	91155	6.04	40.80
59647	.171	.158	59941	.056	(a)	63216	16.60	—	91160	1.20	—
59660	.152	1.06	59947	.057	.30	63217	32.40	—	91175	1.03	—
59661	.074	(a)	59955	.022	.132	63218	10.90	—	91177	4.52	—
59693	.012	—	59963	.161	.37	63219	(a)	—	91179	4.54	—
59695	(a)	(a)	59964	.38	.066	63220	(a)	—	91190	2.44	(a)
59701	.006	.33	59970	.077	.169	64074	11.50	—	91200	.82	—
59713	.136	.33	59973	.104	(a)	64075	8.08	—	91210	(a)	—
59722	.07	.028	59975	.108	.19	64500	(a)	—	91235	3.32	2.39
59723	.026	.034	59977	.062	(a)	65007	14.50	—	91250	5.00	(a)
59724	.041	.015	59984	.028	.049	66122	6.25	—	91265	17.50	1.87
59725	.051	.145	59985	.111	(a)	66123	3.44	—	91266	9.28	1.25
59726	.037	.023	59986	.085	(a)	66309	10.00	—	91280	(a)	4.06
59738	.117	.059	59988	.028	.055	66561	23.30	—	91302	18.70	(a)
59750	.067	.181	59989	.015	.041	67017	21.60	—	91315	5.67	—
59751	.024	(a)	60010	9.44	—	67508	19.50	—	91324	12.60	(a)
59773	.022	.026	60011	10.90	—	67509	14.30	—	91325	(a)	(a)
59774	.018	.141	60012	17.80	—	67510	7.95	—	91340	8.24	9.20
59775	.023	.178	60013	15.30	—	67511	8.60	—	91341	5.19	5.78
59781	.058	.085	60015	11.40	—	67512	36.80	—	91342	7.56	4.10
59782	.087	.56	60016	12.80	—	67513	23.40	—	91343	1.14	1.88
59783	.085	(a)	60035	16.40	—	67634	18.70	—	91405	9.60	—
59784	.065	(a)	61000	9.35	—	67635	13.20	—	91436	5.87	3.06
59790	.091	(a)	61212	8.37	—	68001	40.30	—	91481	21.40	—
59798	.222	.46	61216	9.29	—	68439	51.90	—	91507	3.16	3.14
59806	.159	(a)	61217	8.45	—	68500	2.08	—	91523	48.70	—
59867	.102	(a)	61218	5.77	—	68604	.97	—	91547	.28	—
59886	.014	.10	61223	41.10	—	68606	3.79	—	91551	1.72	.73
59889	.072	.187	61224	13.10	—	68607	3.00	—	91555	2.00	1.17
59892	.085	(a)	61225	18.20	—	68702	2.47	—	91560	5.13	4.21
59904	.057	.076	61226	30.50	—	68703	1.85	—	91562	3.82	—
59905	.064	.12	61227	28.00	—	68706	7.93	—	91577	13.70	4.08
59914	.37	.69	62000	6.36	—	68707	7.84	—	91580	6.77	—
59915	.191	.66	62001	5.02	—	90089	4.97	—	91581	(a)	(a)
59917	.035	.232	62002	2.29	—	91111	4.28	7.75	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	3.32	3.95	98308	1.31	1.21
91584	(a)	(a)	94569	3.38	4.32	97308	.72	—	98309	6.15	2.64
91585	(a)	(a)	94590	14.60	—	97447	2.36	6.14	98344	1.28	.81
91586	(a)	(a)	94617	4.60	—	97501	(a)	—	98405	2.12	—
91587	(a)	(a)	94638	(a)	—	97502	(a)	—	98413	16.60	(a)
91588	(a)	(a)	95124	1.70	1.10	97503	(a)	—	98414	15.20	(a)
91589	(a)	(a)	95233	3.64	—	97504	(a)	—	98415	1.99	(a)
91590	3.97	—	95305	3.95	—	97650	4.21	4.49	98423	4.74	(a)
91591	(a)	(a)	95306	5.64	—	97651	6.97	4.25	98424	8.05	(a)
91606	14.00	—	95310	9.43	1.30	97652	6.05	5.67	98425	3.30	(a)
91618	(a)	(a)	95357	1.44	—	97653	3.60	3.12	98426	2.92	(a)
91629	2.87	(a)	95358	(a)	—	97654	6.28	3.38	98427	2.84	—
91636	4.92	—	95410	5.10	2.96	97655	5.38	4.26	98428	(a)	—
91641	1.33	(a)	95455	5.95	1.70	98002	.97	1.11	98429	1.28	—
91666	1.07	(a)	95487	2.73	(a)	98003	1.13	(a)	98430	(a)	—
91722	4.31	(a)	95505	2.77	2.77	98090	.151	—	98449	4.08	25.10
91746	3.82	7.38	95620	2.22	(a)	98091	.164	—	98482	4.38	8.11
91805	.24	—	95625	8.92	4.63	98092	.50	—	98483	6.46	22.10
92053	.59	.63	95630	(a)	(a)	98111	.84	—	98502	6.19	4.77
92054	.203	.217	95647	4.00	7.98	98150	(a)	—	98555	2.88	—
92055	5.67	.209	95648	(a)	(a)	98151	(a)	—	98597	.65	—
92101	8.86	3.49	96053	3.04	4.41	98152	3.28	.71	98598	.222	—
92102	5.34	4.01	96317	1.49	—	98153	3.69	(a)	98601	7.40	(a)
92215	4.76	3.78	96408	4.41	15.30	98154	4.36	(a)	98622	(a)	—
92338	2.05	2.59	96409	4.08	12.10	98155	6.10	(a)	98623	(a)	—
92445	2.82	—	96410	3.58	11.00	98156	(a)	(a)	98624	1.16	—
92446	6.74	1.54	96611	1.89	1.69	98157	3.90	.37	98636	4.08	4.15
92447	5.89	1.82	96702	5.08	(a)	98158	(a)	(a)	98640	128.00	—
92451	3.32	2.68	96703	(a)	—	98159	2.61	(a)	98658	6.31	—
92453	3.73	—	96816	4.76	—	98160	5.54	(a)	98659	1.13	.34
92478	1.85	2.02	96872	5.28	(a)	98161	6.20	(a)	98677	20.10	10.20
92593	43.60	—	96930	(a)	—	98162	(a)	(a)	98678	17.90	17.50
92663	.67	—	97002	(a)	(a)	98163	6.51	.195	98698	(a)	(a)
94007	12.60	6.06	97003	(a)	(a)	98164	2.80	.057	98699	5.82	(a)
94099	2.88	—	97047	5.74	—	98257	1.70	—	98705	8.92	—
94225	10.10	—	97050	4.46	—	98303	12.30	6.79	98710	4.04	—
94276	5.28	4.69	97111	6.09	—	98304	6.30	4.73	98751	4.77	—
94304	4.24	(a)	97220	.38	(a)	98305	4.61	2.37	98805	5.28	1.67
94381	7.96	13.60	97221	(a)	1.38	98306	11.90	.91	98806	3.80	3.76
94404	5.00	5.28	97222	2.20	2.07	98307	1.99	.41	98810	6.50	—

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	6.27	1.83	99620	.55	—						
98820	10.10	3.79	99650	1.80	1.15						
98871	(a)	(a)	99709	4.44	(a)						
98884	2.62	1.98	99718	1.62	—						
98914	.77	.52	99746	2.75	3.82						
98949	1.08	.27	99760	.31	—						
98967	4.12	13.20	99777	11.30	—						
98993	7.80	4.02	99793	3.49	—						
99003	1.96	1.85	99798	(a)	(a)						
99004	5.21	1.85	99803	(a)	10.50						
99080	1.38	7.58	99826	1.28	.64						
99081	(a)	—	99827	.50	.58						
99082	(a)	—	99851	2.03	—						
99083	(a)	—	99917	3.29	—						
99084	(a)	(a)	99938	3.69	—						
99085	(a)	(a)	99943	10.70	—						
99111	2.01	—	99946	7.98	2.95						
99160	(a)	—	99948	9.40	25.50						
99163	4.80	.39	99952	9.52	23.90						
99165	1.05	(a)	99953	10.30	11.50						
99220	1.69	(a)	99954	7.48	10.20						
99221	(a)	(a)	99955	9.37	7.33						
99222	3.18	(a)	99963	.79	—						
99223	.30	(a)	99969	3.08	3.28						
99303	16.10	—	99975	8.31	—						
99310	4.02	(a)	99986	(a)	—						
99315	11.80	2.28	99987	(a)	—						
99321	11.50	2.61	99988	2.72	—						
99445	(a)	(a)									
99471	.77	—									
99505	6.60	—									
99506	8.12	—									
99507	7.08	—									
99570	3.80	(a)									
99571	.92	(a)									
99572	1.80	(a)									
99573	1.72	(a)									
99600	2.27	—									
99613	10.20	2.45									
99614	5.06	—									

CLASSES 10010–14734
PREM/OPS TERR. 505
PROD/COPS

COMMERCIAL LINES MANUAL
DIVISION SIX
GENERAL LIABILITY
LOSS COST PAGES

TENNESSEE (41)

\$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	.12	.189	10150	.60	(a)	11204	.38	2.19	13111	1.22	.092
10011	.029	(a)	10151	15.00	—	11205	(a)	—	13112	.061	.063
10012	.033	(a)	10160	2.68	—	11206	.81	—	13201	.78	.144
10015	5.82	—	10204	.27	—	11207	10.20	—	13204	.88	1.14
10020	(a)	(a)	10205	.30	—	11208	1.74	—	13205	.34	.42
10025	.029	(a)	10210	.48	(a)	11209	8.19	—	13206	(a)	(a)
10026	.78	.031	10211	.48	(a)	11210	3.49	—	13207	(a)	(a)
10027	.029	(a)	10220	5.68	—	11211	18.10	—	13208	(a)	(a)
10036	.58	(a)	10255	.214	.151	11212	2.74	—	13314	.144	.014
10040	.092	.32	10256	.78	.183	11213	2.24	—	13351	.35	.066
10042	.45	.46	10257	.148	.148	11214	5.51	—	13352	.36	.061
10052	4.03	—	10309	.195	.024	11222	.093	—	13410	1.23	2.35
10054	3.57	—	10315	.46	(a)	11234	.34	.088	13411	(a)	(a)
10060	.214	.123	10331	7.90	—	11248	.041	.016	13412	.42	1.21
10065	.32	.047	10332	13.60	—	11258	1.32	.179	13453	.48	(a)
10066	.33	.094	10352	.64	.05	11259	1.41	.103	13454	.56	(a)
10070	.069	.151	10367	4.67	—	11273	16.80	—	13455	.57	(a)
10071	.38	.182	10368	6.82	—	11274	16.10	—	13461	(a)	(a)
10072	5.28	—	10375	(a)	—	11288	1.62	.077	13506	1.11	.094
10073	.90	.63	10378	8.00	—	12014	.088	.048	13507	1.33	.203
10075	6.68	.30	10379	3.71	—	12356	1.43	.045	13590	.42	.67
10100	1.10	.061	10380	6.34	—	12361	.072	.07	13621	.107	.33
10101	.29	.177	10381	5.49	—	12362	.076	(a)	13670	.041	.017
10105	3.13	—	11007	1.99	—	12373	.029	.023	13673	1.00	.018
10107	2.75	.42	11020	.36	.21	12374	.74	.068	13715	.076	.145
10110	19.80	—	11039	.78	.073	12375	.36	.029	13716	.55	.156
10111	.151	.067	11052	3.20	—	12391	.057	.07	13720	.56	.057
10113	.43	—	11101	(a)	(a)	12393	.48	(a)	13759	.214	.147
10115	.86	.113	11120	(a)	—	12467	.201	(a)	13930	.161	.174
10117	5.78	—	11126	.075	.024	12509	.054	.031	14068	.047	.012
10119	(a)	—	11127	.38	.013	12510	.68	.037	14101	.55	.059
10120	13.00	—	11128	.52	.122	12583	.30	(a)	14279	.41	.08
10130	4.27	—	11138	1.97	—	12651	.88	.51	14401	1.33	.068
10132	3.67	—	11155	.26	—	12683	.40	(a)	14405	1.17	—
10133	3.08	—	11160	(a)	(a)	12707	.50	.56	14527	.31	.179
10135	(a)	—	11167	.74	—	12797	.105	.194	14655	.107	—
10140	.033	.022	11168	3.83	—	12805	.39	.154	14731	3.18	—
10141	.067	.023	11201	17.40	—	12841	.65	—	14732	.235	—
10145	.32	.009	11202	5.14	—	12927	.113	—	14733	.75	—
10146	.49	.015	11203	.89	.46	13049	.038	.051	14734	.32	—

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	.189	.133	16670	3.28	—	18501	1.06	.011	40072	(a)	—
14913	.40	.199	16676	.36	.019	18506	.38	.008	40075	28.90	—
15060	(a)	(a)	16694	.36	(a)	18507	.226	.01	40101	15.40	—
15061	(a)	(a)	16705	.242	.131	18570	2.36	—	40102	13.60	—
15062	.169	(a)	16722	(a)	—	18575	(a)	(a)	40111	6.44	—
15063	.197	(a)	16723	(a)	—	18616	.29	.59	40115	(a)	—
15070	.156	—	16750	.126	.034	18707	.011	.005	40117	(a)	—
15119	(a)	—	16751	.126	—	18708	.138	.029	40140	(a)	—
15120	(a)	—	16819	1.02	(a)	18833	.136	(a)	41001	.217	—
15123	3.07	—	16820	.79	(a)	18834	.36	.174	41210	(a)	—
15124	1.07	—	16881	1.97	(a)	18911	1.13	.028	41421	.221	—
15188	.30	(a)	16890	.12	(a)	18912	2.13	.048	41422	.118	—
15223	.048	.044	16891	.131	(a)	18920	.55	.027	41510	56.80	—
15224	.60	.058	16892	.238	(a)	18991	(a)	—	41603	10.40	—
15300	(a)	—	16900	2.63	.086	19007	1.20	—	41604	5.74	—
15314	.26	(a)	16901	1.69	.097	19051	2.66	—	41620	1.46	—
15404	.077	(a)	16902	1.43	.065	19061	(a)	—	41650	14.70	—
15405	.114	(a)	16905	2.76	.086	19795	.37	(a)	41664	27.50	—
15406	.29	.053	16906	1.77	.097	19796	.43	—	41665	3.22	—
15488	.72	(a)	16910	1.58	.067	40005	(a)	—	41666	(a)	—
15538	.46	.023	16911	1.43	.051	40006	(a)	—	41667	75.10	—
15600	1.16	.148	16915	1.62	.055	40010	(a)	—	41668	70.40	—
15607	.205	—	16916	1.35	.05	40015	(a)	—	41669	.49	—
15608	.26	.013	16920	3.59	.141	40020	(a)	—	41670	.83	—
15656	7.61	—	16921	3.28	.051	40026	(a)	—	41672	(a)	—
15699	.51	—	16930	2.06	.218	40031	(a)	—	41673	(a)	—
15733	.189	.034	16931	2.22	.092	40032	(a)	—	41675	(a)	—
15839	.35	.033	16940	4.48	.051	40040	(a)	—	41677	.30	—
15991	.28	.116	16941	1.79	.093	40041	(a)	—	41678	32.40	—
15993	.239	.073	18078	.137	.187	40042	(a)	—	41679	(a)	(a)
16005	.04	.031	18109	.47	.042	40045	182.00	—	41680	7.65	—
16009	.231	.106	18110	.38	.057	40046	35.90	—	41696	.95	—
16402	1.71	—	18200	(a)	—	40047	12.80	—	41697	.66	—
16403	1.08	.247	18205	.211	.38	40059	4.58	—	41700	(a)	—
16404	1.36	—	18206	.61	.179	40061	2.43	—	41715	4.85	—
16471	.29	—	18335	.44	.027	40063	81.30	—	41716	3.09	—
16501	.085	(a)	18435	1.16	.058	40064	23.90	—	43007	(a)	—
16527	.13	.32	18436	.94	.113	40066	(a)	—	43117	(a)	—
16588	.107	(a)	18437	.63	(a)	40067	(a)	—	43151	14.40	—
16604	.18	.122	18438	1.21	(a)	40069	(a)	—	43152	9.69	—

\$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	54.70	—	44112	2.39	—	45771	.34	.139	47254	(a)	—
43215	(a)	—	44113	(a)	—	45819	.109	.087	47318	7.66	—
43421	15.00	—	44193	(a)	—	45900	.132	.037	47367	.30	—
43422	78.70	—	44194	(a)	—	45901	.113	.045	47420	1.68	—
43424	(a)	—	44222	(a)	—	45937	.124	—	47468	(a)	—
43470	5.53	—	44276	73.50	—	45993	(a)	(a)	47469	2.21	—
43517	(a)	—	44277	47.60	—	46004	14.00	—	47471	1.91	—
43518	11.80	—	44280	.30	—	46005	11.20	—	47473	2.50	—
43550	53.50	—	44311	6.08	—	46112	.061	—	47474	2.79	—
43551	29.70	—	44315	4.09	—	46202	1.82	—	47475	2.21	—
43626	9.42	—	44427	55.80	—	46362	113.00	—	47476	2.21	—
43628	122.00	—	44428	56.20	—	46426	16.50	—	47477	2.94	—
43629	104.00	—	44429	.84	—	46427	22.00	—	47478	3.09	—
43754	(a)	—	44430	.59	—	46510	(a)	—	47600	(a)	—
43760	3.45	—	44431	1.87	—	46590	(a)	—	47610	(a)	—
43822	4.40	—	44432	.59	—	46603	1.39	—	48039	38.80	—
43840	.054	—	44433	18.90	—	46604	1.60	—	48177	(a)	—
43860	3.47	—	44434	36.10	—	46606	4.26	—	48178	(a)	—
43889	1.24	—	44435	37.40	—	46607	5.86	—	48206	24.90	—
43945	(a)	—	44436	43.70	—	46622	12.90	—	48252	(a)	—
43946	(a)	—	44437	36.20	—	46671	(a)	—	48441	.105	—
43990	(a)	(a)	44438	28.60	—	46700	110.00	—	48557	10.50	—
43991	(a)	—	44439	55.70	—	46773	(a)	—	48558	9.10	—
44009	3.74	—	44440	46.10	—	46822	(a)	—	48600	33.00	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	10.10	—	44501	(a)	—	46882	(a)	—	48636	.96	(a)
44070	2.98	—	45190	1.44	—	46911	18.60	—	48637	8.00	—
44071	3.32	—	45191	1.02	—	46912	34.10	—	48638	3.97	—
44072	2.29	—	45192	1.19	—	46913	(a)	—	48727	(a)	—
44100	7.16	—	45193	.70	—	46914	(a)	—	48808	1.95	—
44101	7.45	—	45210	.89	—	46915	(a)	—	48924	(a)	—
44102	5.81	—	45224	(a)	—	46916	(a)	—	48925	191.00	—
44103	5.14	—	45225	(a)	—	47050	1.20	—	49005	.205	—
44104	2.16	—	45334	31.50	—	47051	(a)	—	49111	2.98	—
44105	(a)	—	45380	.221	(a)	47052	(a)	—	49181	12.70	—
44106	(a)	—	45450	9.28	—	47103	(a)	—	49183	15.50	—
44108	2.53	—	45523	(a)	—	47146	(a)	—	49184	32.60	—
44109	6.41	—	45524	(a)	—	47147	(a)	—	49185	29.70	—
44110	6.56	—	45539	(a)	—	47221	121.00	—	49239	.165	.46
44111	4.03	—	45678	.32	—	47253	(a)	—	49292	.93	—

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	.25	.196	51702	.09	(a)	51986	.121	.096
49333	6.80	—	51241	.74	.218	51703	.037	(a)	51999	.051	.40
49451	(a)	—	51250	.151	(a)	51734	.07	.35	52002	.045	.114
49452	(a)	—	51251	.021	(a)	51741	.13	.243	52075	.111	.222
49617	.25	.28	51252	.075	.074	51752	.11	.15	52076	.134	(a)
49618	.212	.098	51253	.064	(a)	51767	.017	.007	52109	.011	(a)
49619	.40	.168	51254	.02	.032	51777	.06	.077	52134	.15	.60
49763	2.59	—	51255	.38	(a)	51790	.101	(a)	52137	.044	(a)
49800	(a)	—	51300	.083	.147	51796	.047	(a)	52150	.28	(a)
49801	106.00	—	51305	.083	.88	51808	.168	.68	52315	.079	.27
49802	9.43	—	51315	.107	.096	51809	.209	.146	52341	.027	(a)
49803	16.70	—	51330	.058	.66	51833	.09	.054	52342	.079	(a)
49840	1.24	—	51333	.019	.32	51850	.141	(a)	52343	.048	(a)
49870	80.00	—	51340	.021	(a)	51851	.096	(a)	52401	.149	(a)
49890	(a)	—	51350	.14	.127	51852	.224	(a)	52402	.011	(a)
49891	(a)	—	51351	.125	.049	51853	.09	(a)	52432	.056	(a)
49902	(a)	—	51352	.172	.101	51854	.202	(a)	52433	.051	.80
49903	(a)	—	51355	.117	.091	51855	.212	(a)	52435	.064	(a)
50010	.121	.38	51356	.126	.56	51856	.117	(a)	52438	.047	(a)
50011	.053	(a)	51357	.152	.76	51857	.199	(a)	52440	.073	(a)
50012	.045	(a)	51358	.37	.129	51869	.056	.136	52467	.068	(a)
50015	.079	(a)	51359	.32	.71	51877	.31	.191	52469	.024	.096
50017	.06	(a)	51370	.244	3.83	51889	.052	.011	52505	.118	.237
50018	.048	(a)	51380	.024	.041	51896	.024	.017	52547	.129	.07
50019	.032	(a)	51400	.137	(a)	51900	.068	.10	52581	.57	2.19
50045	.137	(a)	51401	.201	(a)	51909	.128	.053	52619	.04	(a)
50047	.015	(a)	51500	.046	.116	51919	.052	(a)	52660	.107	—
51001	.033	.42	51516	.09	—	51926	.053	.044	52744	.35	.066
51005	.007	(a)	51517	.102	—	51927	.029	.132	52767	.118	(a)
51116	.083	.69	51550	.057	.40	51934	.058	.107	52876	(a)	(a)
51201	.021	(a)	51551	.02	.89	51941	.053	.041	52911	.032	.42
51205	.063	.059	51552	.034	.152	51942	.085	—	52967	.012	.058
51206	.01	.32	51553	.061	(a)	51956	.228	.205	53001	.118	.30
51210	.057	(a)	51554	.006	(a)	51957	.201	.46	53077	.057	.219
51211	(a)	(a)	51575	.037	.021	51958	.179	.37	53095	.039	(a)
51220	.197	1.90	51576	.11	.097	51959	.183	(a)	53096	.054	(a)
51221	.109	1.76	51600	.075	.172	51960	.024	.33	53121	.154	.40
51222	.133	4.53	51613	.049	.139	51970	.105	.177	53147	.02	(a)
51224	.139	1.49	51625	.03	(a)	51982	.031	.077	53229	.112	(a)
51230	.024	.74	51666	.059	.089	51985	.084	—	53271	.029	(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	.11	.248	55715	.121	.203	56918	.045	(a)	58096	.107	1.49
53374	.091	.26	55716	.175	.49	56919	.114	(a)	58301	.036	.077
53375	.048	.27	55717	.15	(a)	56920	.104	(a)	58302	.029	.051
53376	.078	.183	55718	.146	(a)	56980	.06	(a)	58397	.168	.65
53377	.079	.188	55802	.06	.011	57001	.021	.023	58408	.071	—
53403	.05	(a)	55918	.069	2.26	57002	.013	.096	58409	.09	—
53425	.104	(a)	55919	.009	3.42	57090	.167	.68	58456	.048	—
53565	.058	.096	56040	.007	.03	57146	.106	.75	58457	.07	—
53631	.018	.021	56041	.043	(a)	57202	.053	(a)	58458	.09	—
53632	.021	.032	56042	.054	(a)	57257	.066	.034	58459	.108	—
53731	.019	(a)	56170	.102	(a)	57401	.037	.089	58503	.045	.077
53732	.128	.47	56171	.05	(a)	57403	.123	.033	58532	.058	(a)
53733	.084	.228	56202	.043	.078	57410	.018	.173	58559	.012	(a)
53734	.54	—	56390	.075	.70	57411	.026	(a)	58560	.028	(a)
53803	.248	(a)	56391	.064	.30	57572	.011	.099	58561	(a)	(a)
53901	(a)	(a)	56427	.104	.119	57600	.032	.033	58575	.037	.111
53902	(a)	(a)	56488	.101	.038	57611	.055	.055	58627	.118	.012
53903	(a)	(a)	56567	.106	(a)	57625	.28	(a)	58663	.234	.95
53904	(a)	(a)	56650	.32	(a)	57651	.034	.039	58682	.105	(a)
53905	(a)	(a)	56651	.176	(a)	57690	.071	.45	58713	.038	(a)
53907	.057	.086	56652	.126	(a)	57716	.034	.074	58737	.076	.55
53951	(a)	(a)	56653	.121	(a)	57725	.074	.075	58756	.044	(a)
53952	(a)	(a)	56654	.062	(a)	57726	.057	.023	58757	.26	(a)
53953	(a)	(a)	56690	.052	.33	57798	.017	(a)	58759	.032	(a)
54012	.054	—	56699	.048	.067	57800	.064	(a)	58802	.036	.48
54077	.077	.39	56758	.041	.14	57808	.028	(a)	58813	.107	(a)
54444	(a)	(a)	56759	.042	.078	57809	.029	(a)	58822	.099	(a)
55010	.233	.98	56760	.06	.099	57810	.028	.10	58837	.216	.161
55011	.063	1.75	56805	.078	(a)	57871	.034	.111	58840	.065	.121
55012	.075	1.11	56806	.056	(a)	57913	.083	.26	58873	.103	.027
55013	.094	1.12	56807	.055	(a)	57997	.12	—	58903	.023	(a)
55014	(a)	(a)	56808	.072	(a)	57998	.037	.054	58904	.017	.12
55214	.061	.083	56900	.069	(a)	57999	.046	.07	58922	.171	.179
55371	.233	.108	56910	.035	(a)	58009	.046	(a)	59005	.043	.089
55410	(a)	(a)	56911	.091	(a)	58010	.085	(a)	59057	.32	(a)
55426	.114	(a)	56912	.074	.084	58020	.132	(a)	59058	.206	(a)
55597	.015	1.68	56913	.06	(a)	58056	.102	(a)	59188	.26	.052
55647	.03	.065	56915	.36	(a)	58057	.064	(a)	59189	.36	.28
55648	.014	(a)	56916	.32	.215	58058	.057	(a)	59223	.107	.103
55649	.016	(a)	56917	.093	(a)	58095	.081	1.79	59257	.012	.012

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	.073	(a)	59923	.008	.005	62003	8.73	—	91125	2.99	1.65
59378	.069	.141	59925	.33	1.19	63010	17.30	—	91127	2.88	1.24
59481	.195	.096	59926	.28	.46	63011	21.70	—	91130	1.44	—
59482	.27	(a)	59927	.189	1.30	63012	30.80	—	91135	.40	(a)
59537	.075	.232	59931	.15	.48	63013	29.20	—	91150	2.72	6.22
59601	.074	2.23	59932	.162	.80	63215	28.90	—	91155	6.04	40.80
59647	.122	.158	59941	.05	(a)	63216	20.00	—	91160	1.20	—
59660	.135	1.06	59947	.047	.30	63217	36.50	—	91175	1.03	—
59661	.066	(a)	59955	.019	.132	63218	12.30	—	91177	4.52	—
59693	.011	—	59963	.144	.37	63219	(a)	—	91179	4.54	—
59695	(a)	(a)	59964	.34	.066	63220	(a)	—	91190	2.44	(a)
59701	.005	.33	59970	.064	.169	64074	10.10	—	91200	.82	—
59713	.121	.33	59973	.093	(a)	64075	7.14	—	91210	(a)	—
59722	.063	.028	59975	.089	.19	64500	(a)	—	91235	3.32	2.39
59723	.024	.034	59977	.051	(a)	65007	17.60	—	91250	5.00	(a)
59724	.036	.015	59984	.025	.049	66122	7.56	—	91265	17.50	1.87
59725	.045	.145	59985	.099	(a)	66123	4.16	—	91266	9.28	1.25
59726	.033	.023	59986	.076	(a)	66309	12.10	—	91280	(a)	4.06
59738	.105	.059	59988	.023	.055	66561	28.10	—	91302	18.70	(a)
59750	.056	.181	59989	.013	.041	67017	26.10	—	91315	5.67	—
59751	.02	(a)	60010	9.63	—	67508	17.60	—	91324	12.60	(a)
59773	.016	.026	60011	11.10	—	67509	12.90	—	91325	(a)	(a)
59774	.013	.141	60012	18.20	—	67510	7.21	—	91340	8.24	9.20
59775	.016	.178	60013	15.60	—	67511	7.80	—	91341	5.19	5.78
59781	.048	.085	60015	11.60	—	67512	33.40	—	91342	7.56	4.10
59782	.072	.56	60016	13.10	—	67513	21.20	—	91343	1.14	1.88
59783	.07	(a)	60035	19.80	—	67634	22.60	—	91405	9.60	—
59784	.054	(a)	61000	9.53	—	67635	16.00	—	91436	5.87	3.06
59790	.081	(a)	61212	10.10	—	68001	48.80	—	91481	21.40	—
59798	.183	.46	61216	11.20	—	68439	62.70	—	91507	3.16	3.14
59806	.131	(a)	61217	10.20	—	68500	2.12	—	91523	48.70	—
59867	.091	(a)	61218	6.98	—	68604	1.17	—	91547	.28	—
59886	.012	.10	61223	49.60	—	68606	4.58	—	91551	1.72	.73
59889	.051	.187	61224	15.80	—	68607	3.62	—	91555	2.00	1.17
59892	.07	(a)	61225	21.90	—	68702	2.98	—	91560	5.13	4.21
59904	.047	.076	61226	36.90	—	68703	2.24	—	91562	3.82	—
59905	.057	.12	61227	33.80	—	68706	9.58	—	91577	13.70	4.08
59914	.33	.69	62000	7.69	—	68707	9.48	—	91580	6.77	—
59915	.158	.66	62001	6.07	—	90089	4.97	—	91581	(a)	(a)
59917	.029	.232	62002	2.77	—	91111	4.28	7.75	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	3.32	3.95	98308	1.31	1.21
91584	(a)	(a)	94569	3.38	4.32	97308	.72	—	98309	6.15	2.64
91585	(a)	(a)	94590	14.60	—	97447	2.36	6.14	98344	1.28	.81
91586	(a)	(a)	94617	4.60	—	97501	(a)	—	98405	2.12	—
91587	(a)	(a)	94638	(a)	—	97502	(a)	—	98413	16.60	(a)
91588	(a)	(a)	95124	1.70	1.10	97503	(a)	—	98414	15.20	(a)
91589	(a)	(a)	95233	3.64	—	97504	(a)	—	98415	1.99	(a)
91590	3.97	—	95305	3.95	—	97650	4.21	4.49	98423	4.74	(a)
91591	(a)	(a)	95306	5.64	—	97651	6.97	4.25	98424	8.05	(a)
91606	14.00	—	95310	9.43	1.30	97652	6.05	5.67	98425	3.30	(a)
91618	(a)	(a)	95357	1.44	—	97653	3.60	3.12	98426	2.92	(a)
91629	2.87	(a)	95358	(a)	—	97654	6.28	3.38	98427	2.84	—
91636	4.92	—	95410	5.10	2.96	97655	5.38	4.26	98428	(a)	—
91641	1.33	(a)	95455	5.95	1.70	98002	.97	1.11	98429	1.28	—
91666	1.07	(a)	95487	2.73	(a)	98003	1.13	(a)	98430	(a)	—
91722	4.31	(a)	95505	2.77	2.77	98090	.151	—	98449	4.08	25.10
91746	3.82	7.38	95620	2.22	(a)	98091	.164	—	98482	4.38	8.11
91805	.24	—	95625	8.92	4.63	98092	.50	—	98483	6.46	22.10
92053	.59	.63	95630	(a)	(a)	98111	.84	—	98502	6.19	4.77
92054	.203	.217	95647	4.00	7.98	98150	(a)	—	98555	2.88	—
92055	5.67	.209	95648	(a)	(a)	98151	(a)	—	98597	.65	—
92101	8.86	3.49	96053	3.04	4.41	98152	3.28	.71	98598	.222	—
92102	5.34	4.01	96317	1.49	—	98153	3.69	(a)	98601	7.40	(a)
92215	4.76	3.78	96408	4.41	15.30	98154	4.36	(a)	98622	(a)	—
92338	2.05	2.59	96409	4.08	12.10	98155	6.10	(a)	98623	(a)	—
92445	2.82	—	96410	3.58	11.00	98156	(a)	(a)	98624	1.16	—
92446	6.74	1.54	96611	1.89	1.69	98157	3.90	.37	98636	4.08	4.15
92447	5.89	1.82	96702	5.08	(a)	98158	(a)	(a)	98640	128.00	—
92451	3.32	2.68	96703	(a)	—	98159	2.61	(a)	98658	6.31	—
92453	3.73	—	96816	4.76	—	98160	5.54	(a)	98659	1.13	.34
92478	1.85	2.02	96872	5.28	(a)	98161	6.20	(a)	98677	20.10	10.20
92593	43.60	—	96930	(a)	—	98162	(a)	(a)	98678	17.90	17.50
92663	.67	—	97002	(a)	(a)	98163	6.51	.195	98698	(a)	(a)
94007	12.60	6.06	97003	(a)	(a)	98164	2.80	.057	98699	5.82	(a)
94099	2.88	—	97047	5.74	—	98257	1.70	—	98705	8.92	—
94225	10.10	—	97050	4.46	—	98303	12.30	6.79	98710	4.04	—
94276	5.28	4.69	97111	6.09	—	98304	6.30	4.73	98751	4.77	—
94304	4.24	(a)	97220	.38	(a)	98305	4.61	2.37	98805	5.28	1.67
94381	7.96	13.60	97221	(a)	1.38	98306	11.90	.91	98806	3.80	3.76
94404	5.00	5.28	97222	2.20	2.07	98307	1.99	.41	98810	6.50	—

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	6.27	1.83	99620	.55	—						
98820	10.10	3.79	99650	1.80	1.15						
98871	(a)	(a)	99709	4.44	(a)						
98884	2.62	1.98	99718	1.62	—						
98914	.77	.52	99746	2.75	3.82						
98949	1.08	.27	99760	.31	—						
98967	4.12	13.20	99777	11.30	—						
98993	7.80	4.02	99793	3.49	—						
99003	1.96	1.85	99798	(a)	(a)						
99004	5.21	1.85	99803	(a)	10.50						
99080	1.38	7.58	99826	1.28	.64						
99081	(a)	—	99827	.50	.58						
99082	(a)	—	99851	2.03	—						
99083	(a)	—	99917	3.29	—						
99084	(a)	(a)	99938	3.69	—						
99085	(a)	(a)	99943	10.70	—						
99111	2.01	—	99946	7.98	2.95						
99160	(a)	—	99948	9.40	25.50						
99163	4.80	.39	99952	9.52	23.90						
99165	1.05	(a)	99953	10.30	11.50						
99220	1.69	(a)	99954	7.48	10.20						
99221	(a)	(a)	99955	9.37	7.33						
99222	3.18	(a)	99963	.79	—						
99223	.30	(a)	99969	3.08	3.28						
99303	16.10	—	99975	8.31	—						
99310	4.02	(a)	99986	(a)	—						
99315	11.80	2.28	99987	(a)	—						
99321	11.50	2.61	99988	2.72	—						
99445	(a)	(a)									
99471	.77	—									
99505	6.60	—									
99506	8.12	—									
99507	7.08	—									
99570	3.80	(a)									
99571	.92	(a)									
99572	1.80	(a)									
99573	1.72	(a)									
99600	2.27	—									
99613	10.20	2.45									
99614	5.06	—									