

LOSS COSTS – IMPLEMENTATION

JULY 23, 2020

GENERAL LIABILITY

LI-GL-2020-121

TENNESSEE GENERAL LIABILITY ADVISORY PROSPECTIVE LOSS COST REVISION TO BE IMPLEMENTED

KEY MESSAGE

Revised overall prospective loss costs for +6.0% to be implemented.

BACKGROUND

In circular [LI-GL-2020-099](#), we provided you with information about the General Liability loss cost level experience review.

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.

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-2020-BGL1, which presents a review of General Liability loss cost experience. Refer to the attachment(s) for complete details.

SUPPLEMENTARY INFORMATION

We are including the following supplementary information:

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

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

EFFECTIVE DATE

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

These changes are applicable to all policies written on or after June 1, 2021.

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, 2021, 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 3, 2021. 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-2020-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-2019-057](#) 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 6-21 (or the earliest possible subsequent date), along with any new and/or revised manual pages.

REFERENCE(S)

- [LI-GL-2020-099](#) (06/10/2020) General Liability Basic Limit Experience For 2020 Group 3 Jurisdictions Reviewed By Staff
- [LI-CL-2019-057](#) (12/10/2019) Revised Lead Time Requirements Listing

ATTACHMENT(S)

- GL-2020-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-2020-BGL1
BASIC LIMIT LOSS COST LEVEL
GENERAL LIABILITY OTHER THAN PROFESSIONAL
PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS
EXECUTIVE SUMMARY

PURPOSE

This document:

- revises current advisory prospective loss costs for Premises/Operations and Products/Completed Operations classes. These loss costs represent a +6.0% change from the current ISO loss costs. Please note that throughout this document the term loss costs means advisory prospective loss costs.
 - provides the analyses used to derive these advisory loss costs.
-

DEFINITION OF
THE ISO
ADVISORY
PROSPECTIVE
LOSS COSTS

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

CONSIDERATION
OF COVID-19

In 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. We have adjusted loss costs to reflect these changes by applying adjustment factors to the loss costs of several impacted classes. Refer to Section H for details.

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.

LOSS COST
LEVEL CHANGES

The statewide advisory loss cost level changes are:

<u>SUBLINE</u>	<u>INDICATED</u>	<u>SELECTED</u>	<u>ADJUSTED *</u>
M&C	+ 1.8%	+ 1.8%	+ 1.8%
OL&T	+ 9.6%	+ 9.6%	+ 8.7%
Premises/Operations	+ 5.8%	+ 5.8%	+ 5.4%
Products	- 1.5%	- 1.5%	- 1.5%
Local Products/Completed Operations	+ 12.8%	+ 12.8%	+ 12.8%
Products/Completed Operations	+ 8.7%	+ 8.7%	+ 8.7%
GL Overall	+ 6.4%	+ 6.4%	+ 6.0%

* The adjusted loss cost level changes reflect the COVID-19 related adjustments for the specific OL&T classes described in Section H. The adjusted loss cost level changes represent the change from the present to proposed loss costs.

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
VS. ADJUSTED

Indicated changes are based on standard ISO methodology. The selected changes are equal to the indicated changes for all sublines. The adjusted loss cost level changes reflect the COVID-19 related adjustments for OL&T.

CAPPING

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

PRIOR ISO
REVISIONS

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

HISTORICAL
SOURCE DATA

The data used in this document is:

- ISO reporting companies' voluntary experience.
- Fiscal - accident year data through year ended 6/30/2019 for Premises/Operations.
- Calendar-accident year data through year ended 12/31/2018 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 6/1/2021. The Products/Completed Operations portion of this review uses a trend date of 7/1/2020 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 6/30/2019 were used in selecting annual trend factors. For Products/Completed Operations, occurrence cost data and occurrence frequency data through 12/31/2018 were used.

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

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

In this review, multistate 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

OTHER LIABILITY (ASLOB 17.0)

1	Travelers Indemnity Co.
2	Zurich American Insurance Co.
3	Cincinnati Insurance Co.
4	Liberty Mutual Insurance Co.
5	Chubb Group of Insurance Cos
6	Continental Casualty Co.
7	XL Specialty Insurance Co.
8	Hartford Accident & Indemnity Co.
9	Fireman's Fund Insurance Co.
10	Selective Insurance Co. of America

PRODUCTS LIABILITY (ASLOB 18.0)

1	Zurich American Insurance Co.
2	Fireman's Fund Insurance Co.
3	Travelers Indemnity Co.
4	Selective Insurance Group
5	Cincinnati Insurance Co.
6	Hartford Accident & Indemnity Co.
7	United Fire & Casualty Co.
8	Liberty Mutual Insurance Co.
9	Continental Casualty Co.
10	Chubb Group of Insurance Cos.

Insurers are listed in descending order based on the percent of written premium volume from Statutory Page 14 Data for the year ending 12/31/2018 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 12/31/2018 is:

Statewide - Other Liability (ASLOB 17.0)	34.1%
Multistate - Products Liability (ASLOB 18.0)	39.4%

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-2019-BGL1

<u>Coverage</u>	Effective <u>Date</u>	Loss Cost Level Changes		
		<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>	Effective <u>Date</u>	Loss Cost Level Changes		
		<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%

Document: GL-2017-BGL1

<u>Coverage</u>	Effective <u>Date</u>	Loss Cost Level Changes		
		<u>Indicated</u>	<u>Selected</u>	<u>Implemented</u>
M&C		+ 5.5%	+ 5.5%	+ 5.5%
OL&T		- 6.3%	- 6.3%	- 6.3%
Prem/Ops Combined		- 1.2%	- 1.2%	- 1.2%
Products		- 8.0%	- 8.0%	- 8.0%
Local Products/Completed Ops		- 9.6%	- 9.6%	- 9.6%
Products/Completed Ops Combined		- 9.1%	- 9.1%	- 9.1%
General Liability Overall	6/1/2018	- 3.3%	- 3.3%	- 3.3%

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PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS
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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.

<u>Summary of Indications and Selected Loss Cost Level Changes</u>	<u>Manufacturers And Contractors</u>	<u>Owners, Landlords and Tenants</u>	<u>Overall Premises/ Operations</u>	<u>Products</u>	<u>Local Products/ Completed Operations</u>	<u>Products/ Completed Operations</u>	<u>Overall General Liability Other Than Professional</u>
Statewide Indicated Monoline-Multiline Loss Cost Level Change (See Section C)	+ 1.3%	+ 8.7%	+ 5.1%				
Statewide Indicated Monoline Loss Cost Level Change (See Section C)	+ 1.8%	+ 9.6%	+ 5.8%	- 1.5% *	+ 12.8% **	+ 8.7%	+ 6.4%
Statewide Selected Monoline Loss Cost Level Change	+ 1.8%	+ 9.6%	+ 5.8%	- 1.5% *	+ 12.8%	+ 8.7%	+ 6.4%
Adjusted Monoline Loss Cost Level Change (See Sections C and H) @	+ 1.8%	+ 8.7%	+ 5.4%	-1.5%	+ 12.8%	+ 8.7%	+ 6.0%

@ The Adjusted loss cost level change reflects the impact of adjusting the loss costs for specific Owners, Landlords, and Tenants classes due to an expected occurrence frequency decrease stemming from COVID-19 related impacts.

* 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>	<u>ADJUSTED LOSS COST LEVEL CHANGE</u>
501	Memphis	\$ 2,508,134	+ 13.5%	+ 13.6%	+ 12.3%
503	Chattanooga, Knoxville and Nashville	5,584,874	+ 7.9%	+ 7.9%	+ 6.8%
504	Carter, Sullivan, Unicoi and Washington Counties	661,548	+ 9.6%	+ 9.6%	+ 8.7%
505	Remainder of State	8,304,851	+ 9.6%	+ 9.6%	+ 8.8%
	STATEWIDE TOTAL	\$ 17,059,407	+ 9.6%	+ 9.6%	+ 8.7%

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	\$ 1,316,237	+ 2.5%	+ 1.7%
31	LIGHT CONTRACTING	2,068,452	+ 7.3%	+ 6.4%
32	MEDIUM CONTRACTING	5,390,638	+ 1.3%	+ 0.6%
33	HEAVY CONTRACTING	2,137,312	+ 3.7%	+ 2.9%
34	DEALERS OR DISTRIBUTORS	1,396,816	+ 1.9%	+ 4.0%
35	LIGHT MANUFACTURERS	272,621	+ 0.2%	+ 2.0%
36	MEDIUM MANUFACTURERS	1,577,665	- 3.5%	- 2.2%
37	HEAVY MANUFACTURERS	793,015	- 1.7%	+ 0.3%
38	MISCELLANEOUS OPERATIONS	1,117,449	- 0.5%	+ 1.4%
	TOTAL	\$ 16,070,205	+ 1.8%	+ 1.8%

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)	\$ 1,302,198	+ 9.6%	+ 9.8%
02	RESTAURANTS	2,511,657	+ 7.8%	+ 7.5%
03	STORES	1,129,117	+ 6.2%	+ 6.0%
04	VENDING AND RENTAL	237,079	+ 8.4%	+ 9.2%
05	FOOD AND BEVERAGE DISTRIBUTORS	153,935	+ 9.9%	+ 9.6%
06	NON-(FOOD AND BEVERAGE) DISTRIB.	420,061	+ 3.4%	+ 3.2%
07	CLUBS, AMUSEMENTS AND SPORTS	1,080,400	+ 11.6%	+ 11.4%
08	HEALTH CARE FACILITIES	161,392	+ 4.7%	+ 4.5%
09	HOTELS AND MOTELS	1,475,987	+ 13.4%	+ 13.3%
10	SCHOOLS AND CHURCHES	1,643,391	+ 14.1%	+ 14.1%
11	APARTMENTS	1,322,240	+ 7.7%	+ 7.8%
12	BUILDINGS AND OFFICES	5,028,920	+ 9.5%	+9.6% @
13	MISCELLANEOUS PREMISES	415,461	+ 10.8%	+ 10.6%
16	GOVERNMENTAL SUBDIVISIONS	177,569	+ 8.6%	+ 8.7%
	TOTAL	\$ 17,059,407	+ 9.6%	+ 9.6%

@ The COVID-19 related adjustments are applied to the rounded loss costs after capping and then rounded using CGL rounding rules. The class group 12 adjusted loss cost level change is 6.3% resulting in an overall OL&T indication of 8.7%.

TENNESSEE

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

<u>CLASS GROUP</u>	<u>DESCRIPTION</u>	LATEST YEAR MULTISTATE MONO/MULTI ALCCL AT MULTISTATE <u>LEVEL</u>	INDICATED MULTISTATE LOSS COST LEVEL <u>CHANGE</u>	LATEST YEAR STATEWIDE MONO/MULTI ALCCL AT CURRENT <u>LEVEL</u>	INDICATED STATEWIDE LOSS COST LEVEL <u>CHANGE</u>	SELECTED STATEWIDE LOSS COST LEVEL <u>CHANGE</u>
03	MANUFACTURERS, DEALERS OR DISTRIBUTORS-FOOD OR DRUG	\$ 25,805,900	- 5.9%	\$ 485,804	- 9.2%	- 9.2%
04	DEALERS OR DISTRIBUTORS-NOT FOOD OR DRUG	34,950,355	+ 4.3%	669,138	+ 3.9%	+ 3.9%
05	MANUFACTURERS-NOT FOOD OR DRUG-LOW	5,162,520	+ 1.2%	60,295	+ 5.0%	+ 5.0%
06	MANUFACTURERS-NOT FOOD OR DRUG-MEDIUM	33,323,523	- 0.5%	840,678	- 1.8%	- 1.8%
07	MANUFACTURERS-NOT FOOD OR DRUG-HIGH	8,272,287	+ 0.2%	275,747	- 1.6%	- 1.6%
	PRODUCTS SUBTOTAL	\$ 107,514,585	- 0.1%	\$ 2,331,662	- 1.5%	- 1.5%
01	RETAIL STORES-FOOD OR DRUG			\$ 222,484	+ 10.0%	+ 10.1%
02	RETAIL STORES-NOT FOOD OR DRUG			284,146	+ 17.3%	+ 17.1%
11	COMPLETED OPERATIONS-LOW			278,019	+ 18.8%	+ 17.7%
12	COMPLETED OPERATIONS-MEDIUM			4,532,336	+ 12.6%	+ 12.6%
13	COMPLETED OPERATIONS-HIGH			423,909	+ 9.9%	+ 9.9%
	LOCAL PRODUCTS/COMPLETED OPERATIONS SUBTOTAL			\$ 5,740,894	+ 12.8%	+ 12.8%
	TOTAL			\$ 8,072,556	+ 8.7%	+ 8.7%

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

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

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

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

The 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.

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

- 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 +27% and a lower cap of -20% relative to current loss costs;
- OL&T classes reflect an upper cap of +35% and a lower cap of -20% relative to current loss costs;
The COVID-19 related adjustment factors were applied to the capped and rounded loss costs reflecting the selected loss cost level change.
Loss costs reflecting the COVID-19 related adjustments are not subject to capping and are rounded using the rules listed below.
- Products classes reflect an upper cap of +25% and a lower cap of -20% relative to current multistate loss costs;
- Local Products/Completed Operations classes reflect an upper cap of +38% 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: 0.992

OL&T: 1.000

LP/CO: 1.005

The Commercial General Liability loss costs are rounded as follows:

Loss Costs

To the Nearest

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

NOTE: Due to our standard capping procedure and rounding rules, the current loss cost of \$0.003 for Products Class 18707 (Tobacco Products Distributors) has not been able to increase as per the mathematical formula despite adverse experience in the last couple years. As a result, the cap has been eliminated for this particular class in this filing. Adjustments have also been applied to nine classes impacted by the COVID-19 pandemic. These classes are listed in Section H.

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	0.080	0.075	6.7	10060	505	0.227	0.214	6.1	10101	504	0.270	0.250	8.0
10010	503	0.112	0.110	1.8	10065	501	0.182	0.166	9.6	10101	505	0.310	0.290	6.9
10010	504	0.082	0.079	3.8	10065	503	0.239	0.229	4.4	10105	501	1.780	1.620	9.9
10010	505	0.127	0.123	3.3	10065	504	0.300	0.280	7.1	10105	503	2.340	2.230	4.9
10015	501	5.650	4.890	15.5	10065	505	0.340	0.320	6.3	10105	504	2.910	2.730	6.6
10015	503	4.980	4.540	9.7	10066	501	0.186	0.169	10.1	10105	505	3.330	3.140	6.1
10015	504	5.160	4.610	11.9	10066	503	0.244	0.233	4.7	10107	501	3.250	3.150	3.2
10015	505	5.790	5.190	11.6	10066	504	0.300	0.280	7.1	10107	503	3.820	3.660	4.4
10026	501	0.440	0.400	10.0	10066	505	0.350	0.330	6.1	10107	504	3.460	3.360	3.0
10026	503	0.580	0.560	3.6	10070	501	0.046	0.043	7.0	10107	505	2.740	2.620	4.6
10026	504	0.720	0.680	5.9	10070	503	0.064	0.063	1.6	10110	501	19.200	16.700	15.0
10026	505	0.830	0.780	6.4	10070	504	0.047	0.045	4.4	10110	503	16.900	15.400	9.7
10036	501	0.680	0.660	3.0	10070	505	0.072	0.070	2.9	10110	504	17.600	15.700	12.1
10036	503	0.800	0.770	3.9	10071	501	0.218	0.199	9.5	10110	505	19.700	17.700	11.3
10036	504	0.730	0.710	2.8	10071	503	0.290	0.270	7.4	10111	501	0.100	0.094	6.4
10036	505	0.580	0.550	5.5	10071	504	0.360	0.330	9.1	10111	503	0.140	0.137	2.2
10040	501	0.061	0.057	7.0	10071	505	0.410	0.380	7.9	10111	504	0.103	0.099	4.0
10040	503	0.085	0.083	2.4	10072	501	4.670	4.630	0.9	10111	505	0.158	0.154	2.6
10040	504	0.063	0.060	5.0	10072	503	5.090	5.010	1.6	10113	501	0.247	0.225	9.8
10040	505	0.096	0.093	3.2	10072	504	3.460	3.430	0.9	10113	503	0.320	0.310	3.2
10042	501	0.250	0.231	8.2	10072	505	5.370	5.300	1.3	10113	504	0.400	0.380	5.3
10042	503	0.330	0.320	3.1	10073	501	1.060	1.030	2.9	10113	505	0.460	0.440	4.5
10042	504	0.420	0.390	7.7	10073	503	1.250	1.200	4.2	10115	501	0.490	0.450	8.9
10042	505	0.470	0.450	4.4	10073	504	1.130	1.100	2.7	10115	503	0.640	0.610	4.9
10052	501	3.900	3.380	15.4	10073	505	0.900	0.860	4.7	10115	504	0.800	0.750	6.7
10052	503	3.440	3.140	9.6	10075	501	7.890	7.660	3.0	10115	505	0.920	0.860	7.0
10052	504	3.570	3.190	11.9	10075	503	9.270	8.890	4.3	10117	501	5.610	4.860	15.4
10052	505	4.010	3.590	11.7	10075	504	8.400	8.150	3.1	10117	503	4.950	4.510	9.8
10054	501	3.460	3.000	15.3	10075	505	6.650	6.370	4.4	10117	504	5.130	4.580	12.0
10054	503	3.060	2.780	10.1	10100	501	1.040	0.920	13.0	10117	505	5.750	5.160	11.4
10054	504	3.170	2.830	12.0	10100	503	1.100	1.020	7.8	10120	501	12.600	10.900	15.6
10054	505	3.550	3.180	11.6	10100	504	0.740	0.670	10.4	10120	503	11.100	10.100	9.9
10060	501	0.122	0.111	9.9	10100	505	1.090	1.000	9.0	10120	504	11.500	10.300	11.7
10060	503	0.159	0.153	3.9	10101	501	0.165	0.150	10.0	10120	505	12.900	11.600	11.2
10060	504	0.199	0.186	7.0	10101	503	0.216	0.206	4.9	10130	501	2.430	2.210	10.0

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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
10130	503	3.190	3.050	4.6	10160	501	1.520	1.390	9.4	10315	505	0.490	0.460	6.5
10130	504	3.970	3.720	6.7	10160	503	2.000	1.910	4.7	10331	501	7.660	6.630	15.5
10130	505	4.540	4.280	6.1	10160	504	2.490	2.330	6.9	10331	503	6.750	6.150	9.8
10132	501	2.090	1.900	10.0	10160	505	2.850	2.690	5.9	10331	504	7.000	6.260	11.8
10132	503	2.740	2.620	4.6	10204	501	0.154	0.140	10.0	10331	505	7.850	7.040	11.5
10132	504	3.420	3.200	6.9	10204	503	0.202	0.193	4.7	10332	501	13.200	11.400	15.8
10132	505	3.910	3.690	6.0	10204	504	0.250	0.235	6.4	10332	503	11.600	10.600	9.4
10133	501	4.260	3.810	11.8	10204	505	0.290	0.270	7.4	10332	504	12.100	10.800	12.0
10133	503	4.290	4.010	7.0	10205	501	0.172	0.156	10.3	10332	505	13.500	12.100	11.6
10133	504	3.880	3.580	8.4	10205	503	0.225	0.215	4.7	10352	501	0.610	0.530	15.1
10133	505	3.190	2.950	8.1	10205	504	0.280	0.260	7.7	10352	503	0.640	0.590	8.5
10140	501	0.028	0.024	16.7	10205	505	0.320	0.300	6.7	10352	504	0.430	0.390	10.3
10140	503	0.031	0.029	6.9	10220	501	3.230	2.940	9.9	10352	505	0.640	0.580	10.3
10140	504	0.037	0.033	12.1	10220	503	4.240	4.060	4.4	10367	501	4.130	4.100	0.7
10140	505	0.034	0.031	9.7	10220	504	5.280	4.950	6.7	10367	503	4.500	4.430	1.6
10141	501	0.055	0.049	12.2	10220	505	6.040	5.700	6.0	10367	504	3.060	3.030	1.0
10141	503	0.062	0.057	8.8	10255	501	0.250	0.246	1.6	10367	505	4.750	4.680	1.5
10141	504	0.073	0.066	10.6	10255	503	0.300	0.290	3.4	10368	501	6.030	5.990	0.7
10141	505	0.069	0.063	9.5	10255	504	0.270	0.260	3.8	10368	503	6.570	6.470	1.5
10145	501	0.270	0.234	15.4	10255	505	0.213	0.204	4.4	10368	504	4.470	4.440	0.7
10145	503	0.300	0.280	7.1	10256	501	0.930	0.900	3.3	10368	505	6.940	6.850	1.3
10145	504	0.350	0.320	9.4	10256	503	1.090	1.040	4.8	10378	501	7.750	6.720	15.3
10145	505	0.330	0.300	10.0	10256	504	0.990	0.960	3.1	10378	503	6.840	6.230	9.8
10146	501	0.460	0.410	12.2	10256	505	0.780	0.750	4.0	10378	504	7.090	6.330	12.0
10146	503	0.490	0.450	8.9	10257	501	0.175	0.170	2.9	10378	505	7.950	7.130	11.5
10146	504	0.330	0.300	10.0	10257	503	0.205	0.197	4.1	10379	501	3.600	3.120	15.4
10146	505	0.490	0.440	11.4	10257	504	0.186	0.180	3.3	10379	503	3.170	2.890	9.7
10150	501	0.340	0.310	9.7	10257	505	0.147	0.141	4.3	10379	504	3.290	2.940	11.9
10150	503	0.450	0.430	4.7	10309	501	0.111	0.101	9.9	10379	505	3.690	3.310	11.5
10150	504	0.560	0.520	7.7	10309	503	0.145	0.139	4.3	10380	501	6.140	5.320	15.4
10150	505	0.630	0.600	5.0	10309	504	0.181	0.170	6.5	10380	503	5.420	4.940	9.7
10151	501	8.560	7.780	10.0	10309	505	0.207	0.196	5.6	10380	504	5.620	5.020	12.0
10151	503	11.200	10.700	4.7	10315	501	0.260	0.238	9.2	10380	505	6.300	5.650	11.5
10151	504	14.000	13.100	6.9	10315	503	0.340	0.330	3.0	10381	501	5.320	4.610	15.4
10151	505	16.000	15.100	6.0	10315	504	0.430	0.400	7.5	10381	503	4.690	4.280	9.6

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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
10381	504	4.870	4.350	12.0	11155	503	0.192	0.184	4.3	11208	501	1.540	1.530	0.7
10381	505	5.460	4.890	11.7	11155	504	0.240	0.224	7.1	11208	503	1.680	1.650	1.8
11007	501	1.750	1.740	0.6	11155	505	0.270	0.260	3.8	11208	504	1.140	1.130	0.9
11007	503	1.910	1.880	1.6	11167	501	1.020	0.910	12.1	11208	505	1.780	1.750	1.7
11007	504	1.300	1.290	0.8	11167	503	1.030	0.960	7.3	11209	501	7.240	7.190	0.7
11007	505	2.020	1.990	1.5	11167	504	0.930	0.860	8.1	11209	503	7.900	7.770	1.7
11020	501	0.208	0.189	10.1	11167	505	0.770	0.710	8.5	11209	504	5.370	5.330	0.8
11020	503	0.270	0.260	3.8	11168	501	5.290	4.730	11.8	11209	505	8.340	8.220	1.5
11020	504	0.340	0.320	6.3	11168	503	5.330	4.990	6.8	11210	501	3.080	3.060	0.7
11020	505	0.390	0.370	5.4	11168	504	4.820	4.450	8.3	11210	503	3.360	3.310	1.5
11039	501	0.920	0.900	2.2	11168	505	3.970	3.660	8.5	11210	504	2.290	2.270	0.9
11039	503	1.090	1.040	4.8	11201	501	15.400	15.200	1.3	11210	505	3.550	3.500	1.4
11039	504	0.980	0.950	3.2	11201	503	16.700	16.500	1.2	11211	501	16.000	15.900	0.6
11039	505	0.780	0.750	4.0	11201	504	11.400	11.300	0.9	11211	503	17.500	17.200	1.7
11052	501	4.430	3.960	11.9	11201	505	17.700	17.400	1.7	11211	504	11.900	11.800	0.8
11052	503	4.460	4.180	6.7	11202	501	4.540	4.510	0.7	11211	505	18.500	18.200	1.6
11052	504	4.030	3.720	8.3	11202	503	4.950	4.870	1.6	11212	501	2.420	2.410	0.4
11052	505	3.320	3.070	8.1	11202	504	3.370	3.340	0.9	11212	503	2.640	2.600	1.5
11126	501	0.043	0.039	10.3	11202	505	5.230	5.160	1.4	11212	504	1.800	1.780	1.1
11126	503	0.056	0.054	3.7	11203	501	0.590	0.550	7.3	11212	505	2.790	2.750	1.5
11126	504	0.070	0.066	6.1	11203	503	0.830	0.810	2.5	11213	501	1.980	1.960	1.0
11126	505	0.080	0.076	5.3	11203	504	0.610	0.590	3.4	11213	503	2.160	2.120	1.9
11127	501	0.250	0.239	4.6	11203	505	0.940	0.910	3.3	11213	504	1.470	1.450	1.4
11127	503	0.360	0.350	2.9	11204	501	0.215	0.195	10.3	11213	505	2.280	2.250	1.3
11127	504	0.260	0.250	4.0	11204	503	0.280	0.270	3.7	11214	501	4.870	4.840	0.6
11127	505	0.400	0.390	2.6	11204	504	0.350	0.330	6.1	11214	503	5.310	5.220	1.7
11128	501	0.340	0.320	6.3	11204	505	0.400	0.380	5.3	11214	504	3.610	3.580	0.8
11128	503	0.480	0.470	2.1	11206	501	0.710	0.710	0.0	11214	505	5.610	5.530	1.4
11128	504	0.350	0.340	2.9	11206	503	0.780	0.760	2.6	11222	501	0.082	0.081	1.2
11128	505	0.540	0.530	1.9	11206	504	0.530	0.520	1.9	11222	503	0.089	0.088	1.1
11138	501	1.910	1.660	15.1	11206	505	0.820	0.810	1.2	11222	504	0.061	0.060	1.7
11138	503	1.690	1.540	9.7	11207	501	9.000	8.930	0.8	11222	505	0.094	0.093	1.1
11138	504	1.750	1.560	12.2	11207	503	9.810	9.650	1.7	11234	501	0.193	0.176	9.7
11138	505	1.960	1.760	11.4	11207	504	6.680	6.620	0.9	11234	503	0.250	0.242	3.3
11155	501	0.147	0.133	10.5	11207	505	10.400	10.200	2.0	11234	504	0.320	0.300	6.7

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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
11234	505	0.360	0.340	5.9	12361	504	0.079	0.072	9.7	12510	503	0.940	0.900	4.4
11248	501	0.048	0.047	2.1	12361	505	0.075	0.068	10.3	12510	504	0.850	0.830	2.4
11248	503	0.057	0.054	5.6	12362	501	0.050	0.047	6.4	12510	505	0.680	0.650	4.6
11248	504	0.051	0.050	2.0	12362	503	0.070	0.069	1.4	12583	501	0.360	0.350	2.9
11248	505	0.041	0.039	5.1	12362	504	0.052	0.050	4.0	12583	503	0.420	0.400	5.0
11258	501	1.250	1.100	13.6	12362	505	0.080	0.077	3.9	12583	504	0.380	0.370	2.7
11258	503	1.320	1.230	7.3	12373	501	0.019	0.018	5.6	12583	505	0.300	0.290	3.4
11258	504	0.890	0.810	9.9	12373	503	0.027	0.026	3.8	12651	501	1.040	1.010	3.0
11258	505	1.320	1.200	10.0	12373	504	0.020	0.019	5.3	12651	503	1.220	1.170	4.3
11259	501	1.340	1.180	13.6	12373	505	0.030	0.029	3.4	12651	504	1.110	1.070	3.7
11259	503	1.420	1.320	7.6	12374	501	0.420	0.380	10.5	12651	505	0.880	0.840	4.8
11259	504	0.950	0.860	10.5	12374	503	0.550	0.530	3.8	12683	501	0.480	0.460	4.3
11259	505	1.410	1.290	9.3	12374	504	0.690	0.650	6.2	12683	503	0.560	0.540	3.7
11273	501	9.580	8.710	10.0	12374	505	0.790	0.740	6.8	12683	504	0.510	0.490	4.1
11273	503	12.600	12.000	5.0	12375	501	0.208	0.189	10.1	12683	505	0.400	0.380	5.3
11273	504	15.600	14.700	6.1	12375	503	0.270	0.260	3.8	12707	501	0.330	0.310	6.5
11273	505	17.900	16.900	5.9	12375	504	0.340	0.320	6.3	12707	503	0.460	0.450	2.2
11274	501	9.190	8.360	9.9	12375	505	0.390	0.370	5.4	12707	504	0.340	0.330	3.0
11274	503	12.100	11.500	5.2	12391	501	0.038	0.035	8.6	12707	505	0.520	0.510	2.0
11274	504	15.000	14.100	6.4	12391	503	0.053	0.052	1.9	12797	501	0.069	0.065	6.2
11274	505	17.200	16.200	6.2	12391	504	0.039	0.037	5.4	12797	503	0.097	0.095	2.1
11288	501	1.530	1.350	13.3	12391	505	0.060	0.058	3.4	12797	504	0.071	0.069	2.9
11288	503	1.620	1.500	8.0	12393	501	0.280	0.250	12.0	12797	505	0.110	0.106	3.8
11288	504	1.090	0.990	10.1	12393	503	0.360	0.350	2.9	12805	501	0.222	0.202	9.9
11288	505	1.610	1.470	9.5	12393	504	0.450	0.420	7.1	12805	503	0.290	0.280	3.6
12014	501	0.104	0.101	3.0	12393	505	0.510	0.490	4.1	12805	504	0.360	0.340	5.9
12014	503	0.122	0.117	4.3	12467	501	0.115	0.104	10.6	12805	505	0.410	0.390	5.1
12014	504	0.111	0.107	3.7	12467	503	0.150	0.144	4.2	12841	501	0.370	0.340	8.8
12014	505	0.087	0.084	3.6	12467	504	0.187	0.175	6.9	12841	503	0.480	0.460	4.3
12356	501	0.810	0.740	9.5	12467	505	0.214	0.202	5.9	12841	504	0.600	0.560	7.1
12356	503	1.060	1.020	3.9	12509	501	0.063	0.061	3.3	12841	505	0.690	0.650	6.2
12356	504	1.330	1.240	7.3	12509	503	0.074	0.071	4.2	12927	501	0.064	0.059	8.5
12356	505	1.520	1.430	6.3	12509	504	0.067	0.065	3.1	12927	503	0.084	0.081	3.7
12361	501	0.060	0.053	13.2	12509	505	0.053	0.051	3.9	12927	504	0.105	0.099	6.1
12361	503	0.067	0.062	8.1	12510	501	0.800	0.780	2.6	12927	505	0.120	0.114	5.3

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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
13049	501	0.031	0.027	14.8	13352	505	0.380	0.360	5.6	13621	504	0.135	0.131	3.1
13049	503	0.035	0.032	9.4	13410	501	1.450	1.410	2.8	13621	505	0.107	0.102	4.9
13049	504	0.041	0.038	7.9	13410	503	1.710	1.640	4.3	13670	501	0.034	0.030	13.3
13049	505	0.039	0.035	11.4	13410	504	1.550	1.500	3.3	13670	503	0.038	0.035	8.6
13111	501	1.160	1.020	13.7	13410	505	1.230	1.170	5.1	13670	504	0.044	0.040	10.0
13111	503	1.230	1.140	7.9	13412	501	0.490	0.480	2.1	13670	505	0.042	0.038	10.5
13111	504	0.820	0.750	9.3	13412	503	0.580	0.550	5.5	13673	501	0.950	0.840	13.1
13111	505	1.220	1.110	9.9	13412	504	0.520	0.510	2.0	13673	503	1.000	0.930	7.5
13112	501	0.051	0.045	13.3	13412	505	0.410	0.400	2.5	13673	504	0.670	0.610	9.8
13112	503	0.057	0.053	7.5	13453	501	0.570	0.550	3.6	13673	505	1.000	0.910	9.9
13112	504	0.067	0.061	9.8	13453	503	0.670	0.640	4.7	13715	501	0.050	0.047	6.4
13112	505	0.064	0.058	10.3	13453	504	0.600	0.590	1.7	13715	503	0.070	0.069	1.4
13201	501	0.920	0.890	3.4	13453	505	0.480	0.460	4.3	13715	504	0.052	0.050	4.0
13201	503	1.080	1.040	3.8	13454	501	0.660	0.640	3.1	13715	505	0.080	0.077	3.9
13201	504	0.980	0.950	3.2	13454	503	0.780	0.750	4.0	13716	501	0.310	0.280	10.7
13201	505	0.770	0.740	4.1	13454	504	0.710	0.680	4.4	13716	503	0.410	0.390	5.1
13204	501	1.040	1.010	3.0	13454	505	0.560	0.540	3.7	13716	504	0.510	0.480	6.2
13204	503	1.220	1.170	4.3	13455	501	0.670	0.650	3.1	13716	505	0.580	0.550	5.5
13204	504	1.110	1.070	3.7	13455	503	0.790	0.760	3.9	13720	501	0.530	0.470	12.8
13204	505	0.880	0.840	4.8	13455	504	0.720	0.700	2.9	13720	503	0.570	0.520	9.6
13205	501	0.400	0.390	2.6	13455	505	0.570	0.540	5.6	13720	504	0.380	0.340	11.8
13205	503	0.470	0.450	4.4	13506	501	0.630	0.570	10.5	13720	505	0.560	0.510	9.8
13205	504	0.430	0.410	4.9	13506	503	0.830	0.790	5.1	13759	501	0.122	0.111	9.9
13205	505	0.340	0.320	6.3	13506	504	1.030	0.960	7.3	13759	503	0.159	0.153	3.9
13314	501	0.082	0.075	9.3	13506	505	1.180	1.110	6.3	13759	504	0.199	0.186	7.0
13314	503	0.108	0.103	4.9	13507	501	0.760	0.690	10.1	13759	505	0.227	0.214	6.1
13314	504	0.134	0.126	6.3	13507	503	0.990	0.950	4.2	13930	501	0.107	0.100	7.0
13314	505	0.154	0.145	6.2	13507	504	1.240	1.160	6.9	13930	503	0.149	0.147	1.4
13351	501	0.200	0.182	9.9	13507	505	1.420	1.340	6.0	13930	504	0.110	0.106	3.8
13351	503	0.260	0.250	4.0	13590	501	0.500	0.490	2.0	13930	505	0.170	0.164	3.7
13351	504	0.330	0.310	6.5	13590	503	0.590	0.560	5.4	14068	501	0.027	0.024	12.5
13351	505	0.370	0.350	5.7	13590	504	0.530	0.520	1.9	14068	503	0.035	0.034	2.9
13352	501	0.204	0.185	10.3	13590	505	0.420	0.400	5.0	14068	504	0.044	0.041	7.3
13352	503	0.270	0.260	3.8	13621	501	0.127	0.123	3.3	14068	505	0.050	0.047	6.4
13352	504	0.330	0.310	6.5	13621	503	0.149	0.143	4.2	14101	501	0.310	0.290	6.9

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14101	503	0.410	0.390	5.1	14734	501	0.182	0.166	9.6	15188	505	0.300	0.280	7.1
14101	504	0.510	0.480	6.2	14734	503	0.239	0.229	4.4	15223	501	0.040	0.035	14.3
14101	505	0.590	0.560	5.4	14734	504	0.300	0.280	7.1	15223	503	0.044	0.041	7.3
14279	501	0.480	0.470	2.1	14734	505	0.340	0.320	6.3	15223	504	0.052	0.048	8.3
14279	503	0.570	0.540	5.6	14855	501	0.223	0.216	3.2	15223	505	0.049	0.045	8.9
14279	504	0.510	0.500	2.0	14855	503	0.260	0.250	4.0	15224	501	0.570	0.500	14.0
14279	505	0.410	0.390	5.1	14855	504	0.237	0.230	3.0	15224	503	0.600	0.550	9.1
14401	501	1.260	1.110	13.5	14855	505	0.188	0.180	4.4	15224	504	0.400	0.360	11.1
14401	503	1.330	1.240	7.3	14913	501	0.229	0.208	10.1	15224	505	0.590	0.540	9.3
14401	504	0.890	0.810	9.9	14913	503	0.300	0.290	3.4	15314	501	0.147	0.133	10.5
14401	505	1.330	1.210	9.9	14913	504	0.370	0.350	5.7	15314	503	0.192	0.184	4.3
14405	501	1.030	1.020	1.0	14913	505	0.430	0.400	7.5	15314	504	0.240	0.224	7.1
14405	503	1.120	1.110	0.9	15062	501	0.200	0.194	3.1	15314	505	0.270	0.260	3.8
14405	504	0.770	0.760	1.3	15062	503	0.235	0.225	4.4	15404	501	0.091	0.088	3.4
14405	505	1.190	1.170	1.7	15062	504	0.213	0.206	3.4	15404	503	0.107	0.103	3.9
14527	501	0.204	0.192	6.2	15062	505	0.168	0.161	4.3	15404	504	0.097	0.094	3.2
14527	503	0.290	0.280	3.6	15063	501	0.233	0.226	3.1	15404	505	0.077	0.074	4.1
14527	504	0.211	0.202	4.5	15063	503	0.270	0.260	3.8	15405	501	0.134	0.130	3.1
14527	505	0.320	0.310	3.2	15063	504	0.248	0.240	3.3	15405	503	0.158	0.151	4.6
14655	501	0.061	0.055	10.9	15063	505	0.196	0.188	4.3	15405	504	0.143	0.138	3.6
14655	503	0.080	0.076	5.3	15070	501	0.138	0.137	0.7	15405	505	0.113	0.108	4.6
14655	504	0.099	0.093	6.5	15070	503	0.151	0.148	2.0	15406	501	0.340	0.330	3.0
14655	505	0.114	0.107	6.5	15070	504	0.103	0.102	1.0	15406	503	0.400	0.390	2.6
14731	501	4.390	3.930	11.7	15070	505	0.159	0.157	1.3	15406	504	0.360	0.350	2.9
14731	503	4.420	4.140	6.8	15123	501	4.250	3.800	11.8	15406	505	0.290	0.280	3.6
14731	504	4.000	3.690	8.4	15123	503	4.280	4.000	7.0	15488	501	0.850	0.830	2.4
14731	505	3.300	3.040	8.6	15123	504	3.870	3.570	8.4	15488	503	1.000	0.960	4.2
14732	501	0.330	0.290	13.8	15123	505	3.190	2.940	8.5	15488	504	0.910	0.880	3.4
14732	503	0.330	0.310	6.5	15124	501	1.490	1.330	12.0	15488	505	0.720	0.690	4.3
14732	504	0.300	0.270	11.1	15124	503	1.500	1.400	7.1	15538	501	0.260	0.238	9.2
14732	505	0.244	0.225	8.4	15124	504	1.350	1.250	8.0	15538	503	0.340	0.330	3.0
14733	501	0.430	0.390	10.3	15124	505	1.110	1.030	7.8	15538	504	0.430	0.400	7.5
14733	503	0.560	0.530	5.7	15188	501	0.350	0.340	2.9	15538	505	0.490	0.460	6.5
14733	504	0.700	0.650	7.7	15188	503	0.410	0.400	2.5	15600	501	0.660	0.600	10.0
14733	505	0.790	0.750	5.3	15188	504	0.370	0.360	2.8	15600	503	0.860	0.830	3.6

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15600	504	1.080	1.010	6.9	16005	503	0.037	0.037	0.0	16604	501	0.213	0.206	3.4
15600	505	1.230	1.160	6.0	16005	504	0.027	0.026	3.8	16604	503	0.250	0.240	4.2
15607	501	0.181	0.179	1.1	16005	505	0.042	0.041	2.4	16604	504	0.226	0.220	2.7
15607	503	0.197	0.194	1.5	16009	501	0.270	0.270	0.0	16604	505	0.179	0.172	4.1
15607	504	0.134	0.133	0.8	16009	503	0.320	0.310	3.2	16670	501	3.180	2.750	15.6
15607	505	0.208	0.205	1.5	16009	504	0.290	0.280	3.6	16670	503	2.800	2.550	9.8
15608	501	0.147	0.133	10.5	16009	505	0.230	0.221	4.1	16670	504	2.910	2.600	11.9
15608	503	0.192	0.184	4.3	16402	501	0.970	0.890	9.0	16670	505	3.260	2.920	11.6
15608	504	0.240	0.224	7.1	16402	503	1.280	1.220	4.9	16676	501	0.204	0.185	10.3
15608	505	0.270	0.260	3.8	16402	504	1.590	1.490	6.7	16676	503	0.270	0.260	3.8
15656	501	4.330	3.940	9.9	16402	505	1.820	1.720	5.8	16676	504	0.330	0.310	6.5
15656	503	5.680	5.430	4.6	16403	501	0.620	0.560	10.7	16676	505	0.380	0.360	5.6
15656	504	7.080	6.630	6.8	16403	503	0.810	0.770	5.2	16694	501	0.420	0.410	2.4
15656	505	8.090	7.640	5.9	16403	504	1.010	0.940	7.4	16694	503	0.490	0.470	4.3
15699	501	0.450	0.440	2.3	16403	505	1.150	1.080	6.5	16694	504	0.450	0.430	4.7
15699	503	0.490	0.480	2.1	16404	501	0.780	0.710	9.9	16694	505	0.350	0.340	2.9
15699	504	0.330	0.330	0.0	16404	503	1.020	0.970	5.2	16705	501	0.160	0.150	6.7
15699	505	0.510	0.510	0.0	16404	504	1.270	1.190	6.7	16705	503	0.224	0.220	1.8
15733	501	0.223	0.216	3.2	16404	505	1.450	1.370	5.8	16705	504	0.165	0.158	4.4
15733	503	0.260	0.250	4.0	16471	501	0.260	0.250	4.0	16705	505	0.250	0.246	1.6
15733	504	0.237	0.230	3.0	16471	503	0.280	0.270	3.7	16750	501	0.072	0.065	10.8
15733	505	0.188	0.180	4.4	16471	504	0.189	0.188	0.5	16750	503	0.094	0.090	4.4
15839	501	0.197	0.179	10.1	16471	505	0.290	0.290	0.0	16750	504	0.117	0.109	7.3
15839	503	0.260	0.247	5.3	16501	501	0.056	0.053	5.7	16750	505	0.134	0.126	6.3
15839	504	0.320	0.300	6.7	16501	503	0.079	0.077	2.6	16751	501	0.072	0.065	10.8
15839	505	0.370	0.350	5.7	16501	504	0.058	0.056	3.6	16751	503	0.094	0.090	4.4
15991	501	0.161	0.146	10.3	16501	505	0.089	0.086	3.5	16751	504	0.117	0.109	7.3
15991	503	0.211	0.202	4.5	16527	501	0.086	0.081	6.2	16751	505	0.134	0.126	6.3
15991	504	0.260	0.246	5.7	16527	503	0.121	0.119	1.7	16819	501	1.210	1.170	3.4
15991	505	0.300	0.280	7.1	16527	504	0.089	0.085	4.7	16819	503	1.420	1.360	4.4
15993	501	0.136	0.124	9.7	16527	505	0.137	0.133	3.0	16819	504	1.290	1.250	3.2
15993	503	0.178	0.170	4.7	16588	501	0.127	0.123	3.3	16819	505	1.020	0.980	4.1
15993	504	0.222	0.208	6.7	16588	503	0.149	0.143	4.2	16820	501	0.940	0.910	3.3
15993	505	0.250	0.240	4.2	16588	504	0.135	0.131	3.1	16820	503	1.100	1.060	3.8
16005	501	0.027	0.025	8.0	16588	505	0.107	0.102	4.9	16820	504	1.000	0.970	3.1

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16820	505	0.790	0.760	3.9	16906	504	1.640	1.520	7.9	16940	503	4.030	3.800	6.1
16881	501	1.120	1.020	9.8	16906	505	1.820	1.690	7.7	16940	504	4.170	3.850	8.3
16881	503	1.470	1.400	5.0	16910	501	1.380	1.240	11.3	16940	505	4.620	4.280	7.9
16881	504	1.830	1.710	7.0	16910	503	1.420	1.340	6.0	16941	501	1.570	1.410	11.3
16881	505	2.090	1.970	6.1	16910	504	1.470	1.360	8.1	16941	503	1.610	1.520	5.9
16890	501	0.142	0.138	2.9	16910	505	1.630	1.510	7.9	16941	504	1.670	1.540	8.4
16890	503	0.167	0.160	4.4	16911	501	1.250	1.120	11.6	16941	505	1.850	1.710	8.2
16890	504	0.151	0.146	3.4	16911	503	1.290	1.210	6.6	18078	501	0.091	0.085	7.1
16890	505	0.119	0.114	4.4	16911	504	1.330	1.230	8.1	18078	503	0.127	0.125	1.6
16891	501	0.154	0.150	2.7	16911	505	1.470	1.370	7.3	18078	504	0.094	0.090	4.4
16891	503	0.181	0.174	4.0	16915	501	1.420	1.270	11.8	18078	505	0.144	0.140	2.9
16891	504	0.164	0.159	3.1	16915	503	1.460	1.370	6.6	18109	501	0.270	0.244	10.7
16891	505	0.130	0.125	4.0	16915	504	1.510	1.390	8.6	18109	503	0.350	0.340	2.9
16892	501	0.280	0.270	3.7	16915	505	1.670	1.550	7.7	18109	504	0.440	0.410	7.3
16892	503	0.330	0.320	3.1	16916	501	1.180	1.060	11.3	18109	505	0.500	0.470	6.4
16892	504	0.300	0.290	3.4	16916	503	1.210	1.140	6.1	18110	501	0.215	0.195	10.3
16892	505	0.237	0.227	4.4	16916	504	1.260	1.160	8.6	18110	503	0.280	0.270	3.7
16900	501	2.300	2.070	11.1	16916	505	1.390	1.290	7.8	18110	504	0.350	0.330	6.1
16900	503	2.370	2.230	6.3	16920	501	3.140	2.820	11.3	18110	505	0.400	0.380	5.3
16900	504	2.450	2.260	8.4	16920	503	3.230	3.040	6.3	18205	501	0.140	0.131	6.9
16900	505	2.710	2.510	8.0	16920	504	3.340	3.090	8.1	18205	503	0.196	0.192	2.1
16901	501	1.480	1.320	12.1	16920	505	3.700	3.430	7.9	18205	504	0.145	0.139	4.3
16901	503	1.520	1.430	6.3	16921	501	2.870	2.570	11.7	18205	505	0.222	0.215	3.3
16901	504	1.570	1.450	8.3	16921	503	2.950	2.780	6.1	18206	501	0.350	0.320	9.4
16901	505	1.740	1.610	8.1	16921	504	3.050	2.820	8.2	18206	503	0.460	0.440	4.5
16902	501	1.250	1.120	11.6	16921	505	3.380	3.130	8.0	18206	504	0.570	0.530	7.5
16902	503	1.290	1.210	6.6	16930	501	1.810	1.620	11.7	18206	505	0.650	0.610	6.6
16902	504	1.330	1.230	8.1	16930	503	1.860	1.750	6.3	18335	501	0.250	0.228	9.6
16902	505	1.470	1.370	7.3	16930	504	1.920	1.770	8.5	18335	503	0.330	0.310	6.5
16905	501	2.420	2.170	11.5	16930	505	2.130	1.970	8.1	18335	504	0.410	0.380	7.9
16905	503	2.490	2.350	6.0	16931	501	1.950	1.750	11.4	18335	505	0.470	0.440	6.8
16905	504	2.570	2.380	8.0	16931	503	2.000	1.890	5.8	18435	501	1.100	0.970	13.4
16905	505	2.850	2.640	8.0	16931	504	2.070	1.910	8.4	18435	503	1.160	1.080	7.4
16906	501	1.550	1.390	11.5	16931	505	2.290	2.130	7.5	18435	504	0.780	0.710	9.9
16906	503	1.590	1.500	6.0	16940	501	3.920	3.520	11.4	18435	505	1.160	1.050	10.5

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18436	501	0.890	0.780	14.1	18707	505	0.012	0.012	0.0	19795	504	0.340	0.320	6.3
18436	503	0.940	0.870	8.0	18708	501	0.079	0.072	9.7	19795	505	0.390	0.370	5.4
18436	504	0.630	0.570	10.5	18708	503	0.103	0.099	4.0	19796	501	0.247	0.225	9.8
18436	505	0.930	0.850	9.4	18708	504	0.129	0.120	7.5	19796	503	0.320	0.310	3.2
18437	501	0.360	0.330	9.1	18708	505	0.147	0.139	5.8	19796	504	0.400	0.380	5.3
18437	503	0.470	0.450	4.4	18833	501	0.090	0.084	7.1	19796	505	0.460	0.440	4.5
18437	504	0.580	0.550	5.5	18833	503	0.126	0.123	2.4	40045	501	176.000	152.000	15.8
18437	505	0.670	0.630	6.3	18833	504	0.093	0.089	4.5	40045	503	155.000	141.000	9.9
18438	501	0.690	0.620	11.3	18833	505	0.142	0.138	2.9	40045	504	161.000	144.000	11.8
18438	503	0.900	0.860	4.7	18834	501	0.204	0.185	10.3	40045	505	181.000	162.000	11.7
18438	504	1.120	1.050	6.7	18834	503	0.270	0.260	3.8	40046	501	34.800	30.100	15.6
18438	505	1.280	1.210	5.8	18834	504	0.330	0.310	6.5	40046	503	30.700	27.900	10.0
18501	501	1.010	0.890	13.5	18834	505	0.380	0.360	5.6	40046	504	31.800	28.400	12.0
18501	503	1.070	0.990	8.1	18911	501	0.640	0.590	8.5	40046	505	35.700	32.000	11.6
18501	504	0.710	0.650	9.2	18911	503	0.840	0.810	3.7	40047	501	12.400	10.700	15.9
18501	505	1.060	0.970	9.3	18911	504	1.050	0.990	6.1	40047	503	10.900	9.970	9.3
18506	501	0.450	0.430	4.7	18911	505	1.200	1.140	5.3	40047	504	11.300	10.100	11.9
18506	503	0.520	0.500	4.0	18912	501	1.210	1.100	10.0	40047	505	12.700	11.400	11.4
18506	504	0.470	0.460	2.2	18912	503	1.590	1.520	4.6	40059	501	4.440	3.850	15.3
18506	505	0.380	0.360	5.6	18912	504	1.980	1.860	6.5	40059	503	3.920	3.570	9.8
18507	501	0.129	0.117	10.3	18912	505	2.260	2.140	5.6	40059	504	4.060	3.630	11.8
18507	503	0.169	0.161	5.0	18920	501	0.310	0.290	6.9	40059	505	4.560	4.080	11.8
18507	504	0.210	0.197	6.6	18920	503	0.410	0.390	5.1	40061	501	2.350	2.040	15.2
18507	505	0.240	0.227	5.7	18920	504	0.510	0.480	6.2	40061	503	2.080	1.890	10.1
18570	501	1.350	1.220	10.7	18920	505	0.590	0.560	5.4	40061	504	2.150	1.920	12.0
18570	503	1.760	1.690	4.1	19007	501	1.660	1.490	11.4	40061	505	2.420	2.160	12.0
18570	504	2.200	2.060	6.8	19007	503	1.670	1.570	6.4	40063	501	78.800	68.300	15.4
18570	505	2.510	2.370	5.9	19007	504	1.510	1.390	8.6	40063	503	69.500	63.300	9.8
18616	501	0.340	0.330	3.0	19007	505	1.250	1.150	8.7	40063	504	72.100	64.400	12.0
18616	503	0.400	0.380	5.3	19051	501	3.680	3.290	11.9	40063	505	80.800	72.400	11.6
18616	504	0.360	0.350	2.9	19051	503	3.710	3.470	6.9	40064	501	23.200	20.100	15.4
18616	505	0.290	0.270	7.4	19051	504	3.350	3.090	8.4	40064	503	20.400	18.600	9.7
18707	501	0.008	0.007	14.3	19051	505	2.760	2.550	8.2	40064	504	21.200	18.900	12.2
18707	503	0.011	0.010	10.0	19795	501	0.211	0.192	9.9	40064	505	23.800	21.300	11.7
18707	504	0.008	0.007	14.3	19795	503	0.280	0.260	7.7	40075	501	61.000	53.300	14.4

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40075	503	32.400	29.800	8.7	41604	501	11.300	9.620	17.5	41670	505	0.820	0.740	10.8
40075	504	39.900	35.900	11.1	41604	503	13.200	11.700	12.8	41677	501	0.270	0.260	3.8
40075	505	29.400	26.600	10.5	41604	504	6.340	5.550	14.2	41677	503	0.290	0.290	0.0
40101	501	14.300	13.300	7.5	41604	505	5.740	5.040	13.9	41677	504	0.197	0.196	0.5
40101	503	13.100	12.700	3.1	41620	501	1.290	1.280	0.8	41677	505	0.310	0.300	3.3
40101	504	9.600	9.070	5.8	41620	503	1.400	1.380	1.4	41678	501	50.200	44.400	13.1
40101	505	16.000	15.200	5.3	41620	504	0.950	0.950	0.0	41678	503	41.000	38.100	7.6
40102	501	12.600	11.700	7.7	41620	505	1.480	1.460	1.4	41678	504	27.900	25.400	9.8
40102	503	11.600	11.200	3.6	41650	501	29.100	24.700	17.8	41678	505	33.600	30.700	9.4
40102	504	8.480	8.020	5.7	41650	503	33.800	30.100	12.3	41680	501	15.100	12.800	18.0
40102	505	14.100	13.500	4.4	41650	504	16.300	14.200	14.8	41680	503	17.600	15.600	12.8
40111	501	6.240	5.410	15.3	41650	505	14.700	12.900	14.0	41680	504	8.450	7.410	14.0
40111	503	5.500	5.010	9.8	41664	501	26.600	23.100	15.2	41680	505	7.660	6.720	14.0
40111	504	5.710	5.100	12.0	41664	503	23.500	21.400	9.8	41696	501	0.840	0.830	1.2
40111	505	6.400	5.740	11.5	41664	504	24.400	21.800	11.9	41696	503	0.920	0.900	2.2
41001	501	0.211	0.182	15.9	41664	505	27.300	24.500	11.4	41696	504	0.620	0.620	0.0
41001	503	0.186	0.169	10.1	41665	501	3.120	2.700	15.6	41696	505	0.970	0.950	2.1
41001	504	0.193	0.172	12.2	41665	503	2.750	2.510	9.6	41697	501	0.580	0.580	0.0
41001	505	0.216	0.194	11.3	41665	504	2.850	2.550	11.8	41697	503	0.640	0.630	1.6
41421	501	0.440	0.370	18.9	41665	505	3.200	2.870	11.5	41697	504	0.430	0.430	0.0
41421	503	0.510	0.450	13.3	41667	501	72.800	63.100	15.4	41697	505	0.670	0.660	1.5
41421	504	0.244	0.214	14.0	41667	503	64.200	58.500	9.7	41715	501	9.600	8.140	17.9
41421	505	0.221	0.194	13.9	41667	504	66.600	59.500	11.9	41715	503	11.100	9.920	11.9
41422	501	0.233	0.197	18.3	41667	505	74.700	67.000	11.5	41715	504	5.360	4.700	14.0
41422	503	0.270	0.241	12.0	41668	501	68.300	59.200	15.4	41715	505	4.860	4.260	14.1
41422	504	0.130	0.114	14.0	41668	503	60.200	54.900	9.7	41716	501	6.110	5.180	18.0
41422	505	0.118	0.103	14.6	41668	504	62.400	55.800	11.8	41716	503	7.090	6.310	12.4
41510	501	32.400	29.500	9.8	41668	505	70.000	62.800	11.5	41716	504	3.410	2.990	14.0
41510	503	42.500	40.600	4.7	41669	501	0.480	0.410	17.1	41716	505	3.090	2.710	14.0
41510	504	52.900	49.500	6.9	41669	503	0.420	0.380	10.5	43151	501	30.300	26.500	14.3
41510	505	60.500	57.100	6.0	41669	504	0.440	0.390	12.8	43151	503	16.100	14.800	8.8
41603	501	20.700	17.500	18.3	41669	505	0.490	0.440	11.4	43151	504	19.800	17.900	10.6
41603	503	24.000	21.300	12.7	41670	501	0.800	0.700	14.3	43151	505	14.600	13.200	10.6
41603	504	11.500	10.100	13.9	41670	503	0.710	0.650	9.2	43152	501	15.000	13.300	12.8
41603	505	10.500	9.170	14.5	41670	504	0.740	0.660	12.1	43152	503	12.300	11.400	7.9

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43152	504	8.350	7.610	9.7	43628	503	105.000	95.300	10.2	44070	501	2.890	2.500	15.6
43152	505	10.100	9.180	10.0	43628	504	109.000	97.000	12.4	44070	503	2.550	2.320	9.9
43200	501	116.000	101.000	14.9	43628	505	122.000	109.000	11.9	44070	504	2.640	2.360	11.9
43200	503	61.400	56.300	9.1	43629	501	101.000	87.100	16.0	44070	505	2.970	2.660	11.7
43200	504	75.500	68.000	11.0	43629	503	88.700	80.800	9.8	44071	501	3.220	2.790	15.4
43200	505	55.700	50.300	10.7	43629	504	92.000	82.200	11.9	44071	503	2.840	2.580	10.1
43421	501	31.600	27.600	14.5	43629	505	103.000	92.400	11.5	44071	504	2.940	2.630	11.8
43421	503	16.800	15.400	9.1	43760	501	3.350	2.900	15.5	44071	505	3.300	2.960	11.5
43421	504	20.700	18.600	11.3	43760	503	2.950	2.690	9.7	44072	501	2.220	1.920	15.6
43421	505	15.300	13.800	10.9	43760	504	3.060	2.740	11.7	44072	503	1.960	1.780	10.1
43422	501	166.000	145.000	14.5	43760	505	3.440	3.080	11.7	44072	504	2.030	1.810	12.2
43422	503	88.300	81.000	9.0	43822	501	3.890	3.860	0.8	44072	505	2.280	2.040	11.8
43422	504	109.000	97.800	11.5	43822	503	4.240	4.180	1.4	44100	501	7.040	6.270	12.3
43422	505	80.100	72.400	10.6	43822	504	2.890	2.860	1.0	44100	503	9.000	8.410	7.0
43470	501	4.890	4.860	0.6	43822	505	4.480	4.420	1.4	44100	504	5.570	5.120	8.8
43470	503	5.330	5.250	1.5	43840	501	0.048	0.048	0.0	44100	505	7.440	6.850	8.6
43470	504	3.630	3.600	0.8	43840	503	0.052	0.051	2.0	44101	501	7.330	6.530	12.3
43470	505	5.630	5.550	1.4	43840	504	0.036	0.035	2.9	44101	503	9.370	8.770	6.8
43518	501	11.400	9.900	15.2	43840	505	0.055	0.054	1.9	44101	504	5.800	5.330	8.8
43518	503	10.100	9.180	10.0	43860	501	3.060	3.040	0.7	44101	505	7.750	7.140	8.5
43518	504	10.500	9.340	12.4	43860	503	3.340	3.290	1.5	44102	501	5.720	5.090	12.4
43518	505	11.700	10.500	11.4	43860	504	2.270	2.250	0.9	44102	503	7.310	6.840	6.9
43550	501	113.000	98.600	14.6	43860	505	3.530	3.480	1.4	44102	504	4.530	4.160	8.9
43550	503	60.000	55.100	8.9	43889	501	1.100	1.090	0.9	44102	505	6.040	5.570	8.4
43550	504	73.800	66.500	11.0	43889	503	1.190	1.170	1.7	44103	501	5.060	4.510	12.2
43550	505	54.500	49.200	10.8	43889	504	0.810	0.810	0.0	44103	503	6.470	6.050	6.9
43551	501	62.600	54.700	14.4	43889	505	1.260	1.240	1.6	44103	504	4.000	3.680	8.7
43551	503	33.300	30.600	8.8	44009	501	5.180	4.630	11.9	44103	505	5.350	4.930	8.5
43551	504	41.000	36.900	11.1	44009	503	5.210	4.880	6.8	44104	501	2.130	1.890	12.7
43551	505	30.200	27.300	10.6	44009	504	4.720	4.350	8.5	44104	503	2.720	2.540	7.1
43626	501	9.130	7.910	15.4	44009	505	3.880	3.580	8.4	44104	504	1.680	1.550	8.4
43626	503	8.050	7.340	9.7	44069	501	9.760	8.460	15.4	44104	505	2.250	2.070	8.7
43626	504	8.350	7.460	11.9	44069	503	8.610	7.840	9.8	44108	501	2.490	2.220	12.2
43626	505	9.370	8.390	11.7	44069	504	8.930	7.980	11.9	44108	503	3.190	2.980	7.0
43628	501	119.000	103.000	15.5	44069	505	10.000	8.970	11.5	44108	504	1.970	1.810	8.8

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44108	505	2.630	2.430	8.2	44315	504	3.620	3.240	11.7	44435	503	31.700	30.800	2.9
44109	501	6.300	5.620	12.1	44315	505	4.060	3.640	11.5	44435	504	23.200	22.000	5.5
44109	503	8.060	7.540	6.9	44427	501	51.700	47.900	7.9	44435	505	38.600	36.900	4.6
44109	504	4.990	4.580	9.0	44427	503	47.300	46.000	2.8	44436	501	40.400	37.500	7.7
44109	505	6.660	6.140	8.5	44427	504	34.700	32.800	5.8	44436	503	37.000	36.000	2.8
44110	501	6.450	5.750	12.2	44427	505	57.700	55.100	4.7	44436	504	27.100	25.700	5.4
44110	503	8.250	7.710	7.0	44428	501	52.000	48.200	7.9	44436	505	45.100	43.100	4.6
44110	504	5.110	4.690	9.0	44428	503	47.600	46.300	2.8	44437	501	33.500	31.100	7.7
44110	505	6.820	6.280	8.6	44428	504	34.900	33.000	5.8	44437	503	30.700	29.800	3.0
44111	501	3.960	3.530	12.2	44428	505	58.000	55.400	4.7	44437	504	22.500	21.300	5.6
44111	503	5.060	4.730	7.0	44429	501	0.780	0.720	8.3	44437	505	37.400	35.700	4.8
44111	504	3.130	2.880	8.7	44429	503	0.710	0.690	2.9	44438	501	26.500	24.600	7.7
44111	505	4.180	3.850	8.6	44429	504	0.520	0.490	6.1	44438	503	24.200	23.600	2.5
44112	501	2.350	2.090	12.4	44429	505	0.870	0.830	4.8	44438	504	17.800	16.800	6.0
44112	503	3.000	2.800	7.1	44430	501	0.540	0.500	8.0	44438	505	29.600	28.200	5.0
44112	504	1.860	1.710	8.8	44430	503	0.500	0.480	4.2	44439	501	51.500	47.800	7.7
44112	505	2.480	2.280	8.8	44430	504	0.360	0.340	5.9	44439	503	47.200	45.900	2.8
44276	501	155.000	135.000	14.8	44430	505	0.600	0.580	3.4	44439	504	34.600	32.700	5.8
44276	503	82.400	75.600	9.0	44431	501	1.730	1.600	8.1	44439	505	57.500	54.900	4.7
44276	504	101.000	91.300	10.6	44431	503	1.580	1.540	2.6	44440	501	42.600	39.500	7.8
44276	505	74.800	67.500	10.8	44431	504	1.160	1.100	5.5	44440	503	39.000	38.000	2.6
44277	501	100.000	87.800	13.9	44431	505	1.930	1.840	4.9	44440	504	28.600	27.100	5.5
44277	503	53.400	49.000	9.0	44432	501	0.550	0.510	7.8	44440	505	47.600	45.400	4.8
44277	504	65.700	59.200	11.0	44432	503	0.500	0.490	2.0	45190	501	4.180	3.570	17.1
44277	505	48.500	43.800	10.7	44432	504	0.370	0.350	5.7	45190	503	2.030	1.820	11.5
44280	501	0.270	0.260	3.8	44432	505	0.610	0.580	5.2	45190	504	1.760	1.550	13.5
44280	503	0.290	0.290	0.0	44433	501	17.500	16.200	8.0	45190	505	1.550	1.370	13.1
44280	504	0.197	0.196	0.5	44433	503	16.000	15.600	2.6	45191	501	2.970	2.530	17.4
44280	505	0.310	0.300	3.3	44433	504	11.700	11.100	5.4	45191	503	1.440	1.290	11.6
44311	501	5.900	5.110	15.5	44433	505	19.500	18.600	4.8	45191	504	1.250	1.100	13.6
44311	503	5.200	4.740	9.7	44434	501	33.400	31.000	7.7	45191	505	1.100	0.970	13.4
44311	504	5.390	4.820	11.8	44434	503	30.600	29.800	2.7	45192	501	3.470	2.960	17.2
44311	505	6.050	5.420	11.6	44434	504	22.400	21.200	5.7	45192	503	1.680	1.510	11.3
44315	501	3.960	3.430	15.5	44434	505	37.300	35.600	4.8	45192	504	1.460	1.290	13.2
44315	503	3.490	3.180	9.7	44435	501	34.600	32.100	7.8	45192	505	1.290	1.130	14.2

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45193	501	2.050	1.750	17.1	45900	505	0.140	0.132	6.1	46427	504	19.000	17.300	9.8
45193	503	0.990	0.890	11.2	45901	501	0.064	0.059	8.5	46427	505	22.900	20.900	9.6
45193	504	0.860	0.760	13.2	45901	503	0.084	0.081	3.7	46603	501	2.150	1.900	13.2
45193	505	0.760	0.670	13.4	45901	504	0.105	0.099	6.1	46603	503	1.750	1.630	7.4
45210	501	2.590	2.210	17.2	45901	505	0.120	0.114	5.3	46603	504	1.190	1.090	9.2
45210	503	1.260	1.130	11.5	45937	501	0.260	0.228	14.0	46603	505	1.440	1.310	9.9
45210	504	1.090	0.960	13.5	45937	503	0.139	0.127	9.4	46604	501	2.480	2.190	13.2
45210	505	0.960	0.850	12.9	45937	504	0.171	0.154	11.0	46604	503	2.020	1.880	7.4
45334	501	66.600	58.100	14.6	45937	505	0.126	0.114	10.5	46604	504	1.380	1.250	10.4
45334	503	35.400	32.500	8.9	46004	501	27.600	23.400	17.9	46604	505	1.660	1.510	9.9
45334	504	43.500	39.200	11.0	46004	503	32.100	28.600	12.2	46606	501	6.600	5.840	13.0
45334	505	32.100	29.000	10.7	46004	504	15.400	13.500	14.1	46606	503	5.390	5.010	7.6
45380	501	0.260	0.250	4.0	46004	505	14.000	12.300	13.8	46606	504	3.670	3.340	9.9
45380	503	0.310	0.290	6.9	46005	501	22.100	18.700	18.2	46606	505	4.420	4.030	9.7
45380	504	0.280	0.270	3.7	46005	503	25.700	22.900	12.2	46607	501	9.080	8.030	13.1
45380	505	0.220	0.210	4.8	46005	504	12.400	10.800	14.8	46607	503	7.410	6.890	7.5
45450	501	19.600	17.100	14.6	46005	505	11.200	9.820	14.1	46607	504	5.040	4.600	9.6
45450	503	10.400	9.550	8.9	46112	501	0.056	0.052	7.7	46607	505	6.070	5.550	9.4
45450	504	12.800	11.500	11.3	46112	503	0.051	0.050	2.0	46622	501	11.400	11.300	0.9
45450	505	9.450	8.530	10.8	46112	504	0.038	0.036	5.6	46622	503	12.400	12.200	1.6
45678	501	0.290	0.290	0.0	46112	505	0.063	0.060	5.0	46622	504	8.440	8.360	1.0
45678	503	0.310	0.310	0.0	46202	501	5.310	4.530	17.2	46622	505	13.100	12.900	1.6
45678	504	0.213	0.211	0.9	46202	503	2.580	2.320	11.2	46700	501	232.000	203.000	14.3
45678	505	0.330	0.330	0.0	46202	504	2.240	1.970	13.7	46700	503	124.000	113.000	9.7
45771	501	0.400	0.390	2.6	46202	505	1.970	1.740	13.2	46700	504	152.000	137.000	10.9
45771	503	0.470	0.450	4.4	46362	501	175.000	155.000	12.9	46700	505	112.000	101.000	10.9
45771	504	0.420	0.410	2.4	46362	503	143.000	133.000	7.5	46911	501	18.100	15.700	15.3
45771	505	0.330	0.320	3.1	46362	504	97.300	88.700	9.7	46911	503	15.900	14.500	9.7
45819	501	0.129	0.125	3.2	46362	505	117.000	107.000	9.3	46911	504	16.500	14.800	11.5
45819	503	0.152	0.146	4.1	46426	501	25.600	22.600	13.3	46911	505	18.500	16.600	11.4
45819	504	0.137	0.133	3.0	46426	503	20.900	19.400	7.7	46912	501	33.100	28.700	15.3
45819	505	0.109	0.104	4.8	46426	504	14.200	13.000	9.2	46912	503	29.200	26.600	9.8
45900	501	0.075	0.068	10.3	46426	505	17.100	15.600	9.6	46912	504	30.300	27.000	12.2
45900	503	0.099	0.094	5.3	46427	501	34.200	30.200	13.2	46912	505	34.000	30.400	11.8
45900	504	0.123	0.115	7.0	46427	503	27.900	25.900	7.7	47050	501	1.060	1.060	0.0

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47050	503	1.160	1.140	1.8	47475	501	4.360	3.700	17.8	48558	505	9.050	8.110	11.6
47050	504	0.790	0.780	1.3	47475	503	5.060	4.510	12.2	48600	501	51.200	45.200	13.3
47050	505	1.220	1.210	0.8	47475	504	2.440	2.140	14.0	48600	503	41.800	38.800	7.7
47221	501	255.000	223.000	14.3	47475	505	2.210	1.940	13.9	48600	504	28.400	25.900	9.7
47221	503	135.000	124.000	8.9	47476	501	4.360	3.700	17.8	48600	505	34.200	31.300	9.3
47221	504	167.000	150.000	11.3	47476	503	5.060	4.510	12.2	48636	501	0.890	0.890	0.0
47221	505	123.000	111.000	10.8	47476	504	2.440	2.140	14.0	48636	503	0.800	0.800	0.0
47318	501	7.430	6.440	15.4	47476	505	2.210	1.940	13.9	48636	504	1.200	1.210	-0.8
47318	503	6.550	5.970	9.7	47477	501	5.820	4.930	18.1	48636	505	0.990	0.980	1.0
47318	504	6.790	6.070	11.9	47477	503	6.750	6.010	12.3	48637	501	7.750	6.720	15.3
47318	505	7.620	6.830	11.6	47477	504	3.250	2.850	14.0	48637	503	6.840	6.230	9.8
47367	501	0.270	0.260	3.8	47477	505	2.940	2.580	14.0	48637	504	7.090	6.330	12.0
47367	503	0.290	0.290	0.0	47478	501	6.110	5.180	18.0	48637	505	7.950	7.130	11.5
47367	504	0.197	0.196	0.5	47478	503	7.090	6.310	12.4	48638	501	3.850	3.330	15.6
47367	505	0.310	0.300	3.3	47478	504	3.410	2.990	14.0	48638	503	3.390	3.090	9.7
47420	501	1.630	1.410	15.6	47478	505	3.090	2.710	14.0	48638	504	3.520	3.140	12.1
47420	503	1.430	1.310	9.2	48039	501	81.900	71.500	14.5	48638	505	3.950	3.540	11.6
47420	504	1.490	1.330	12.0	48039	503	43.500	40.000	8.7	48808	501	1.110	1.010	9.9
47420	505	1.670	1.500	11.3	48039	504	53.600	48.200	11.2	48808	503	1.450	1.390	4.3
47469	501	4.360	3.700	17.8	48039	505	39.500	35.700	10.6	48808	504	1.810	1.700	6.5
47469	503	5.060	4.510	12.2	48206	501	24.200	20.900	15.8	48808	505	2.070	1.960	5.6
47469	504	2.440	2.140	14.0	48206	503	21.300	19.400	9.8	48925	501	186.000	161.000	15.5
47469	505	2.210	1.940	13.9	48206	504	22.100	19.700	12.2	48925	503	164.000	149.000	10.1
47471	501	3.780	3.210	17.8	48206	505	24.800	22.200	11.7	48925	504	170.000	152.000	11.8
47471	503	4.390	3.910	12.3	48441	501	0.101	0.088	14.8	48925	505	190.000	171.000	11.1
47471	504	2.110	1.850	14.1	48441	503	0.089	0.082	8.5	49005	501	0.181	0.179	1.1
47471	505	1.910	1.680	13.7	48441	504	0.093	0.083	12.0	49005	503	0.197	0.194	1.5
47473	501	4.950	4.190	18.1	48441	505	0.104	0.093	11.8	49005	504	0.134	0.133	0.8
47473	503	5.740	5.110	12.3	48557	501	10.100	8.790	14.9	49005	505	0.208	0.205	1.5
47473	504	2.760	2.420	14.0	48557	503	8.950	8.150	9.8	49111	501	1.700	1.540	10.4
47473	505	2.500	2.200	13.6	48557	504	9.280	8.290	11.9	49111	503	2.220	2.130	4.2
47474	501	5.530	4.690	17.9	48557	505	10.400	9.330	11.5	49111	504	2.770	2.590	6.9
47474	503	6.410	5.710	12.3	48558	501	8.820	7.650	15.3	49111	505	3.170	2.990	6.0
47474	504	3.090	2.710	14.0	48558	503	7.780	7.090	9.7	49181	501	26.800	23.400	14.5
47474	505	2.800	2.450	14.3	48558	504	8.070	7.210	11.9	49181	503	14.200	13.100	8.4

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49181	504	17.500	15.800	10.8	49619	503	0.560	0.520	7.7	50017	501	0.039	0.039	0.0
49181	505	12.900	11.700	10.3	49619	504	0.500	0.460	8.7	50017	503	0.071	0.073	-2.7
49183	501	32.600	28.500	14.4	49619	505	0.410	0.380	7.9	50017	504	0.071	0.073	-2.7
49183	503	17.300	15.900	8.8	49763	501	3.590	3.210	11.8	50017	505	0.061	0.063	-3.2
49183	504	21.300	19.200	10.9	49763	503	3.610	3.380	6.8	50045	501	0.089	0.089	0.0
49183	505	15.700	14.200	10.6	49763	504	3.270	3.010	8.6	50045	503	0.162	0.166	-2.4
49184	501	68.800	60.100	14.5	49763	505	2.690	2.480	8.5	50045	504	0.161	0.166	-3.0
49184	503	36.600	33.600	8.9	49801	501	224.000	196.000	14.3	50045	505	0.140	0.143	-2.1
49184	504	45.000	40.500	11.1	49801	503	119.000	110.000	8.2	50047	501	0.010	0.010	0.0
49184	505	33.200	30.000	10.7	49801	504	147.000	132.000	11.4	50047	503	0.018	0.019	-5.3
49185	501	62.600	54.700	14.4	49801	505	108.000	97.800	10.4	50047	504	0.018	0.019	-5.3
49185	503	33.300	30.600	8.8	49802	501	19.900	17.400	14.4	50047	505	0.016	0.016	0.0
49185	504	41.000	36.900	11.1	49802	503	10.600	9.710	9.2	51001	501	0.030	0.031	-3.2
49185	505	30.200	27.300	10.6	49802	504	13.000	11.700	11.1	51001	503	0.027	0.027	0.0
49239	501	0.195	0.189	3.2	49802	505	9.600	8.670	10.7	51001	504	0.041	0.041	0.0
49239	503	0.229	0.220	4.1	49803	501	35.200	30.800	14.3	51001	505	0.034	0.034	0.0
49239	504	0.208	0.201	3.5	49803	503	18.700	17.200	8.7	51005	501	0.006	0.006	0.0
49239	505	0.164	0.157	4.5	49803	504	23.000	20.800	10.6	51005	503	0.006	0.006	0.0
49292	501	1.960	1.710	14.6	49803	505	17.000	15.400	10.4	51005	504	0.008	0.009	-11.1
49292	503	1.040	0.960	8.3	49840	501	1.100	1.090	0.9	51005	505	0.007	0.007	0.0
49292	504	1.280	1.150	11.3	49840	503	1.190	1.170	1.7	51116	501	0.077	0.078	-1.3
49292	505	0.940	0.850	10.6	49840	504	0.810	0.810	0.0	51116	503	0.069	0.069	0.0
49333	501	14.400	12.500	15.2	49840	505	1.260	1.240	1.6	51116	504	0.104	0.105	-1.0
49333	503	7.630	7.000	9.0	49870	501	77.500	67.200	15.3	51116	505	0.086	0.085	1.2
49333	504	9.390	8.450	11.1	49870	503	68.400	62.300	9.8	51201	501	0.013	0.013	0.0
49333	505	6.930	6.250	10.9	49870	504	70.900	63.400	11.8	51201	503	0.025	0.025	0.0
49617	501	0.350	0.310	12.9	49870	505	79.500	71.300	11.5	51201	504	0.024	0.025	-4.0
49617	503	0.350	0.330	6.1	50010	501	0.079	0.078	1.3	51201	505	0.021	0.022	-4.5
49617	504	0.320	0.290	10.3	50010	503	0.144	0.147	-2.0	51205	501	0.041	0.041	0.0
49617	505	0.260	0.242	7.4	50010	504	0.143	0.147	-2.7	51205	503	0.075	0.077	-2.6
49618	501	0.290	0.260	11.5	50010	505	0.124	0.127	-2.4	51205	504	0.074	0.077	-3.9
49618	503	0.300	0.280	7.1	50015	501	0.051	0.051	0.0	51205	505	0.064	0.066	-3.0
49618	504	0.270	0.247	9.3	50015	503	0.093	0.096	-3.1	51206	501	0.006	0.006	0.0
49618	505	0.220	0.203	8.4	50015	504	0.093	0.096	-3.1	51206	503	0.012	0.012	0.0
49619	501	0.550	0.490	12.2	50015	505	0.080	0.082	-2.4	51206	504	0.012	0.012	0.0

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51206	505	0.010	0.010	0.0	51250	504	0.190	0.191	-0.5	51330	503	0.049	0.049	0.0
51210	501	0.053	0.054	-1.9	51250	505	0.157	0.155	1.3	51330	504	0.073	0.074	-1.4
51210	503	0.048	0.048	0.0	51251	501	0.014	0.014	0.0	51330	505	0.060	0.060	0.0
51210	504	0.072	0.073	-1.4	51251	503	0.025	0.026	-3.8	51333	501	0.018	0.018	0.0
51210	505	0.059	0.059	0.0	51251	504	0.025	0.026	-3.8	51333	503	0.016	0.016	0.0
51220	501	0.183	0.184	-0.5	51251	505	0.022	0.022	0.0	51333	504	0.024	0.024	0.0
51220	503	0.165	0.165	0.0	51252	501	0.049	0.049	0.0	51333	505	0.020	0.020	0.0
51220	504	0.248	0.249	-0.4	51252	503	0.089	0.091	-2.2	51340	501	0.013	0.013	0.0
51220	505	0.204	0.202	1.0	51252	504	0.088	0.091	-3.3	51340	503	0.024	0.025	-4.0
51221	501	0.102	0.102	0.0	51252	505	0.077	0.079	-2.5	51340	504	0.024	0.025	-4.0
51221	503	0.092	0.092	0.0	51253	501	0.042	0.041	2.4	51340	505	0.021	0.021	0.0
51221	504	0.138	0.138	0.0	51253	503	0.076	0.078	-2.6	51350	501	0.180	0.178	1.1
51221	505	0.113	0.112	0.9	51253	504	0.075	0.078	-3.8	51350	503	0.177	0.172	2.9
51222	501	0.124	0.124	0.0	51253	505	0.065	0.067	-3.0	51350	504	0.203	0.201	1.0
51222	503	0.111	0.111	0.0	51254	501	0.013	0.013	0.0	51350	505	0.145	0.143	1.4
51222	504	0.167	0.168	-0.6	51254	503	0.024	0.024	0.0	51351	501	0.161	0.159	1.3
51222	505	0.138	0.137	0.7	51254	504	0.024	0.024	0.0	51351	503	0.158	0.154	2.6
51224	501	0.130	0.130	0.0	51254	505	0.020	0.021	-4.8	51351	504	0.182	0.180	1.1
51224	503	0.117	0.117	0.0	51255	501	0.360	0.360	0.0	51351	505	0.130	0.128	1.6
51224	504	0.175	0.176	-0.6	51255	503	0.320	0.320	0.0	51352	501	0.221	0.219	0.9
51224	505	0.144	0.143	0.7	51255	504	0.480	0.480	0.0	51352	503	0.217	0.212	2.4
51230	501	0.022	0.022	0.0	51255	505	0.400	0.390	2.6	51352	504	0.250	0.247	1.2
51230	503	0.020	0.020	0.0	51300	501	0.107	0.106	0.9	51352	505	0.179	0.176	1.7
51230	504	0.030	0.030	0.0	51300	503	0.105	0.103	1.9	51355	501	0.151	0.149	1.3
51230	505	0.025	0.024	4.2	51300	504	0.121	0.120	0.8	51355	503	0.148	0.144	2.8
51240	501	0.162	0.161	0.6	51300	505	0.087	0.085	2.4	51355	504	0.170	0.168	1.2
51240	503	0.300	0.300	0.0	51305	501	0.107	0.106	0.9	51355	505	0.122	0.120	1.7
51240	504	0.290	0.300	-3.3	51305	503	0.105	0.103	1.9	51356	501	0.163	0.161	1.2
51240	505	0.250	0.260	-3.8	51305	504	0.121	0.120	0.8	51356	503	0.159	0.156	1.9
51241	501	0.480	0.480	0.0	51305	505	0.087	0.085	2.4	51356	504	0.184	0.181	1.7
51241	503	0.880	0.900	-2.2	51315	501	0.127	0.123	3.3	51356	505	0.131	0.129	1.6
51241	504	0.870	0.900	-3.3	51315	503	0.149	0.143	4.2	51357	501	0.180	0.174	3.4
51241	505	0.760	0.770	-1.3	51315	504	0.135	0.131	3.1	51357	503	0.211	0.203	3.9
51250	501	0.141	0.142	-0.7	51315	505	0.107	0.102	4.9	51357	504	0.191	0.186	2.7
51250	503	0.127	0.127	0.0	51330	501	0.054	0.055	-1.8	51357	505	0.151	0.145	4.1

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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
51358	501	0.430	0.420	2.4	51517	505	0.104	0.103	1.0	51613	504	0.058	0.060	-3.3
51358	503	0.510	0.490	4.1	51550	501	0.037	0.037	0.0	51613	505	0.050	0.051	-2.0
51358	504	0.460	0.450	2.2	51550	503	0.067	0.069	-2.9	51625	501	0.028	0.028	0.0
51358	505	0.360	0.350	2.9	51550	504	0.067	0.069	-2.9	51625	503	0.025	0.025	0.0
51359	501	0.380	0.370	2.7	51550	505	0.058	0.059	-1.7	51625	504	0.038	0.038	0.0
51359	503	0.450	0.430	4.7	51551	501	0.013	0.013	0.0	51625	505	0.031	0.031	0.0
51359	504	0.400	0.390	2.6	51551	503	0.023	0.024	-4.2	51666	501	0.077	0.076	1.3
51359	505	0.320	0.310	3.2	51551	504	0.023	0.024	-4.2	51666	503	0.075	0.073	2.7
51370	501	0.158	0.157	0.6	51551	505	0.020	0.021	-4.8	51666	504	0.086	0.085	1.2
51370	503	0.290	0.300	-3.3	51552	501	0.022	0.022	0.0	51666	505	0.062	0.061	1.6
51370	504	0.290	0.300	-3.3	51552	503	0.041	0.041	0.0	51702	501	0.084	0.084	0.0
51370	505	0.248	0.250	-0.8	51552	504	0.040	0.042	-4.8	51702	503	0.076	0.076	0.0
51380	501	0.016	0.016	0.0	51552	505	0.035	0.036	-2.8	51702	504	0.113	0.114	-0.9
51380	503	0.029	0.030	-3.3	51553	501	0.040	0.039	2.6	51702	505	0.093	0.093	0.0
51380	504	0.029	0.030	-3.3	51553	503	0.072	0.074	-2.7	51703	501	0.035	0.035	0.0
51380	505	0.025	0.025	0.0	51553	504	0.072	0.074	-2.7	51703	503	0.031	0.031	0.0
51400	501	0.127	0.128	-0.8	51553	505	0.062	0.064	-3.1	51703	504	0.047	0.047	0.0
51400	503	0.114	0.115	-0.9	51554	501	0.004	0.004	0.0	51703	505	0.039	0.038	2.6
51400	504	0.172	0.173	-0.6	51554	503	0.007	0.007	0.0	51734	501	0.065	0.066	-1.5
51400	505	0.142	0.140	1.4	51554	504	0.007	0.007	0.0	51734	503	0.059	0.059	0.0
51401	501	0.187	0.188	-0.5	51554	505	0.006	0.006	0.0	51734	504	0.088	0.089	-1.1
51401	503	0.169	0.169	0.0	51575	501	0.048	0.048	0.0	51734	505	0.073	0.072	1.4
51401	504	0.250	0.250	0.0	51575	503	0.047	0.046	2.2	51741	501	0.084	0.084	0.0
51401	505	0.209	0.207	1.0	51575	504	0.055	0.054	1.9	51741	503	0.154	0.157	-1.9
51500	501	0.030	0.030	0.0	51575	505	0.039	0.038	2.6	51741	504	0.152	0.157	-3.2
51500	503	0.055	0.056	-1.8	51576	501	0.071	0.071	0.0	51741	505	0.132	0.135	-2.2
51500	504	0.054	0.056	-3.6	51576	503	0.130	0.133	-2.3	51752	501	0.071	0.071	0.0
51500	505	0.047	0.048	-2.1	51576	504	0.129	0.133	-3.0	51752	503	0.130	0.133	-2.3
51516	501	0.080	0.079	1.3	51576	505	0.112	0.114	-1.8	51752	504	0.129	0.133	-3.0
51516	503	0.087	0.086	1.2	51600	501	0.048	0.048	0.0	51752	505	0.112	0.114	-1.8
51516	504	0.059	0.059	0.0	51600	503	0.088	0.090	-2.2	51767	501	0.022	0.022	0.0
51516	505	0.092	0.091	1.1	51600	504	0.088	0.090	-2.2	51767	503	0.022	0.021	4.8
51517	501	0.090	0.090	0.0	51600	505	0.076	0.078	-2.6	51767	504	0.025	0.025	0.0
51517	503	0.099	0.097	2.1	51613	501	0.032	0.032	0.0	51767	505	0.018	0.018	0.0
51517	504	0.067	0.066	1.5	51613	503	0.058	0.060	-3.3	51777	501	0.078	0.077	1.3

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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
51777	503	0.076	0.074	2.7	51853	501	0.084	0.084	0.0	51896	505	0.025	0.025	0.0
51777	504	0.088	0.087	1.1	51853	503	0.076	0.076	0.0	51900	501	0.087	0.086	1.2
51777	505	0.063	0.062	1.6	51853	504	0.113	0.114	-0.9	51900	503	0.085	0.083	2.4
51790	501	0.130	0.128	1.6	51853	505	0.093	0.093	0.0	51900	504	0.098	0.097	1.0
51790	503	0.127	0.124	2.4	51854	501	0.188	0.189	-0.5	51900	505	0.070	0.069	1.4
51790	504	0.146	0.145	0.7	51854	503	0.169	0.169	0.0	51909	501	0.119	0.119	0.0
51790	505	0.105	0.103	1.9	51854	504	0.250	0.260	-3.8	51909	503	0.107	0.107	0.0
51796	501	0.031	0.030	3.3	51854	505	0.209	0.208	0.5	51909	504	0.160	0.161	-0.6
51796	503	0.056	0.057	-1.8	51855	501	0.197	0.199	-1.0	51909	505	0.132	0.131	0.8
51796	504	0.056	0.057	-1.8	51855	503	0.178	0.178	0.0	51919	501	0.034	0.034	0.0
51796	505	0.048	0.049	-2.0	51855	504	0.270	0.270	0.0	51919	503	0.062	0.063	-1.6
51808	501	0.109	0.108	0.9	51855	505	0.220	0.218	0.9	51919	504	0.061	0.063	-3.2
51808	503	0.199	0.204	-2.5	51856	501	0.108	0.109	-0.9	51919	505	0.053	0.054	-1.9
51808	504	0.197	0.204	-3.4	51856	503	0.098	0.098	0.0	51926	501	0.034	0.034	0.0
51808	505	0.171	0.175	-2.3	51856	504	0.147	0.147	0.0	51926	503	0.063	0.064	-1.6
51809	501	0.135	0.135	0.0	51856	505	0.121	0.120	0.8	51926	504	0.062	0.064	-3.1
51809	503	0.247	0.250	-1.2	51857	501	0.186	0.187	-0.5	51926	505	0.054	0.055	-1.8
51809	504	0.245	0.250	-2.0	51857	503	0.167	0.167	0.0	51927	501	0.019	0.019	0.0
51809	505	0.213	0.218	-2.3	51857	504	0.250	0.250	0.0	51927	503	0.034	0.035	-2.9
51833	501	0.117	0.115	1.7	51857	505	0.207	0.205	1.0	51927	504	0.034	0.035	-2.9
51833	503	0.114	0.112	1.8	51869	501	0.036	0.036	0.0	51927	505	0.029	0.030	-3.3
51833	504	0.132	0.130	1.5	51869	503	0.066	0.067	-1.5	51934	501	0.038	0.038	0.0
51833	505	0.094	0.093	1.1	51869	504	0.065	0.068	-4.4	51934	503	0.069	0.070	-1.4
51850	501	0.131	0.132	-0.8	51869	505	0.057	0.058	-1.7	51934	504	0.068	0.070	-2.9
51850	503	0.118	0.118	0.0	51877	501	0.203	0.202	0.5	51934	505	0.059	0.061	-3.3
51850	504	0.178	0.178	0.0	51877	503	0.370	0.380	-2.6	51941	501	0.034	0.034	0.0
51850	505	0.146	0.145	0.7	51877	504	0.370	0.380	-2.6	51941	503	0.062	0.064	-3.1
51851	501	0.089	0.090	-1.1	51877	505	0.320	0.330	-3.0	51941	504	0.062	0.064	-3.1
51851	503	0.080	0.080	0.0	51889	501	0.033	0.033	0.0	51941	505	0.054	0.055	-1.8
51851	504	0.120	0.121	-0.8	51889	503	0.061	0.063	-3.2	51942	501	0.055	0.054	1.9
51851	505	0.099	0.098	1.0	51889	504	0.061	0.063	-3.2	51942	503	0.100	0.102	-2.0
51852	501	0.208	0.210	-1.0	51889	505	0.053	0.054	-1.9	51942	504	0.099	0.102	-2.9
51852	503	0.188	0.188	0.0	51896	501	0.016	0.016	0.0	51942	505	0.086	0.088	-2.3
51852	504	0.280	0.280	0.0	51896	503	0.029	0.029	0.0	51956	501	0.148	0.147	0.7
51852	505	0.232	0.230	0.9	51896	504	0.028	0.029	-3.4	51956	503	0.270	0.280	-3.6

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51956	504	0.270	0.280	-3.6	51999	503	0.060	0.062	-3.2	52341	501	0.025	0.026	-3.8
51956	505	0.232	0.238	-2.5	51999	504	0.060	0.062	-3.2	52341	503	0.023	0.023	0.0
51957	501	0.130	0.130	0.0	51999	505	0.052	0.053	-1.9	52341	504	0.034	0.035	-2.9
51957	503	0.238	0.243	-2.1	52002	501	0.029	0.029	0.0	52341	505	0.028	0.028	0.0
51957	504	0.236	0.244	-3.3	52002	503	0.053	0.054	-1.9	52342	501	0.074	0.074	0.0
51957	505	0.205	0.210	-2.4	52002	504	0.053	0.054	-1.9	52342	503	0.066	0.066	0.0
51958	501	0.116	0.115	0.9	52002	505	0.046	0.047	-2.1	52342	504	0.100	0.100	0.0
51958	503	0.211	0.216	-2.3	52075	501	0.103	0.104	-1.0	52342	505	0.082	0.081	1.2
51958	504	0.210	0.216	-2.8	52075	503	0.093	0.093	0.0	52343	501	0.045	0.045	0.0
51958	505	0.182	0.186	-2.2	52075	504	0.140	0.140	0.0	52343	503	0.040	0.040	0.0
51959	501	0.118	0.118	0.0	52075	505	0.115	0.114	0.9	52343	504	0.061	0.061	0.0
51959	503	0.216	0.221	-2.3	52076	501	0.125	0.125	0.0	52343	505	0.050	0.050	0.0
51959	504	0.215	0.222	-3.2	52076	503	0.112	0.112	0.0	52401	501	0.139	0.140	-0.7
51959	505	0.186	0.191	-2.6	52076	504	0.168	0.169	-0.6	52401	503	0.125	0.125	0.0
51960	501	0.016	0.016	0.0	52076	505	0.139	0.138	0.7	52401	504	0.188	0.189	-0.5
51960	503	0.029	0.029	0.0	52109	501	0.007	0.007	0.0	52401	505	0.155	0.153	1.3
51960	504	0.028	0.029	-3.4	52109	503	0.013	0.014	-7.1	52402	501	0.007	0.007	0.0
51960	505	0.025	0.025	0.0	52109	504	0.013	0.014	-7.1	52402	503	0.013	0.014	-7.1
51970	501	0.068	0.068	0.0	52109	505	0.012	0.012	0.0	52402	504	0.013	0.014	-7.1
51970	503	0.124	0.127	-2.4	52134	501	0.097	0.097	0.0	52402	505	0.012	0.012	0.0
51970	504	0.123	0.127	-3.1	52134	503	0.178	0.182	-2.2	52432	501	0.036	0.036	0.0
51970	505	0.107	0.109	-1.8	52134	504	0.177	0.182	-2.7	52432	503	0.066	0.068	-2.9
51982	501	0.020	0.020	0.0	52134	505	0.153	0.157	-2.5	52432	504	0.066	0.068	-2.9
51982	503	0.037	0.037	0.0	52137	501	0.041	0.041	0.0	52432	505	0.057	0.059	-3.4
51982	504	0.036	0.037	-2.7	52137	503	0.037	0.037	0.0	52433	501	0.033	0.033	0.0
51982	505	0.031	0.032	-3.1	52137	504	0.055	0.055	0.0	52433	503	0.061	0.062	-1.6
51985	501	0.074	0.074	0.0	52137	505	0.045	0.045	0.0	52433	504	0.060	0.062	-3.2
51985	503	0.081	0.080	1.2	52150	501	0.179	0.178	0.6	52433	505	0.052	0.054	-3.7
51985	504	0.055	0.055	0.0	52150	503	0.330	0.340	-2.9	52435	501	0.042	0.042	0.0
51985	505	0.086	0.085	1.2	52150	504	0.320	0.340	-5.9	52435	503	0.076	0.078	-2.6
51986	501	0.079	0.078	1.3	52150	505	0.280	0.290	-3.4	52435	504	0.076	0.078	-2.6
51986	503	0.144	0.147	-2.0	52315	501	0.101	0.100	1.0	52435	505	0.066	0.067	-1.5
51986	504	0.143	0.147	-2.7	52315	503	0.099	0.097	2.1	52438	501	0.030	0.030	0.0
51986	505	0.124	0.127	-2.4	52315	504	0.114	0.113	0.9	52438	503	0.055	0.056	-1.8
51999	501	0.033	0.033	0.0	52315	505	0.082	0.080	2.5	52438	504	0.055	0.056	-1.8

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52438	505	0.047	0.049	-4.1	52744	504	0.500	0.500	0.0	53147	503	0.017	0.017	0.0
52440	501	0.047	0.047	0.0	52744	505	0.360	0.350	2.9	53147	504	0.025	0.025	0.0
52440	503	0.086	0.089	-3.4	52767	501	0.110	0.111	-0.9	53147	505	0.021	0.021	0.0
52440	504	0.086	0.089	-3.4	52767	503	0.099	0.099	0.0	53229	501	0.104	0.105	-1.0
52440	505	0.075	0.076	-1.3	52767	504	0.149	0.150	-0.7	53229	503	0.094	0.094	0.0
52467	501	0.044	0.044	0.0	52767	505	0.123	0.122	0.8	53229	504	0.141	0.142	-0.7
52467	503	0.080	0.082	-2.4	52911	501	0.021	0.021	0.0	53229	505	0.116	0.115	0.9
52467	504	0.079	0.082	-3.7	52911	503	0.038	0.039	-2.6	53271	501	0.019	0.019	0.0
52467	505	0.069	0.070	-1.4	52911	504	0.038	0.039	-2.6	53271	503	0.034	0.035	-2.9
52469	501	0.015	0.015	0.0	52911	505	0.033	0.033	0.0	53271	504	0.034	0.035	-2.9
52469	503	0.028	0.029	-3.4	52967	501	0.008	0.008	0.0	53271	505	0.030	0.030	0.0
52469	504	0.028	0.029	-3.4	52967	503	0.014	0.015	-6.7	53333	501	0.102	0.103	-1.0
52469	505	0.024	0.025	-4.0	52967	504	0.014	0.015	-6.7	53333	503	0.092	0.092	0.0
52505	501	0.076	0.076	0.0	52967	505	0.012	0.013	-7.7	53333	504	0.139	0.139	0.0
52505	503	0.139	0.143	-2.8	53001	501	0.076	0.076	0.0	53333	505	0.114	0.113	0.9
52505	504	0.138	0.143	-3.5	53001	503	0.140	0.143	-2.1	53374	501	0.118	0.116	1.7
52505	505	0.120	0.123	-2.4	53001	504	0.139	0.143	-2.8	53374	503	0.116	0.113	2.7
52547	501	0.120	0.121	-0.8	53001	505	0.120	0.123	-2.4	53374	504	0.133	0.131	1.5
52547	503	0.108	0.108	0.0	53077	501	0.037	0.037	0.0	53374	505	0.095	0.093	2.2
52547	504	0.163	0.164	-0.6	53077	503	0.067	0.069	-2.9	53375	501	0.062	0.062	0.0
52547	505	0.134	0.133	0.8	53077	504	0.067	0.069	-2.9	53375	503	0.061	0.060	1.7
52581	501	0.370	0.370	0.0	53077	505	0.058	0.059	-1.7	53375	504	0.070	0.070	0.0
52581	503	0.680	0.700	-2.9	53095	501	0.025	0.025	0.0	53375	505	0.050	0.050	0.0
52581	504	0.670	0.700	-4.3	53095	503	0.046	0.047	-2.1	53376	501	0.100	0.099	1.0
52581	505	0.590	0.600	-1.7	53095	504	0.046	0.047	-2.1	53376	503	0.098	0.096	2.1
52619	501	0.026	0.026	0.0	53095	505	0.040	0.041	-2.4	53376	504	0.113	0.112	0.9
52619	503	0.048	0.049	-2.0	53096	501	0.035	0.035	0.0	53376	505	0.081	0.079	2.5
52619	504	0.047	0.049	-4.1	53096	503	0.064	0.065	-1.5	53377	501	0.102	0.101	1.0
52619	505	0.041	0.042	-2.4	53096	504	0.063	0.066	-4.5	53377	503	0.101	0.098	3.1
52660	501	0.095	0.094	1.1	53096	505	0.055	0.056	-1.8	53377	504	0.116	0.114	1.8
52660	503	0.103	0.102	1.0	53121	501	0.100	0.099	1.0	53377	505	0.083	0.081	2.5
52660	504	0.070	0.070	0.0	53121	503	0.182	0.186	-2.2	53403	501	0.065	0.064	1.6
52660	505	0.109	0.107	1.9	53121	504	0.180	0.186	-3.2	53403	503	0.064	0.062	3.2
52744	501	0.450	0.440	2.3	53121	505	0.157	0.160	-1.9	53403	504	0.073	0.072	1.4
52744	503	0.440	0.430	2.3	53147	501	0.019	0.019	0.0	53403	505	0.052	0.051	2.0

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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
53425	501	0.097	0.097	0.0	53803	505	0.260	0.250	4.0	55371	504	0.340	0.340	0.0
53425	503	0.087	0.087	0.0	53907	501	0.037	0.036	2.8	55371	505	0.242	0.238	1.7
53425	504	0.131	0.131	0.0	53907	503	0.067	0.068	-1.5	55426	501	0.106	0.107	-0.9
53425	505	0.108	0.107	0.9	53907	504	0.066	0.068	-2.9	55426	503	0.095	0.095	0.0
53565	501	0.075	0.074	1.4	53907	505	0.058	0.059	-1.7	55426	504	0.143	0.144	-0.7
53565	503	0.074	0.072	2.8	54012	501	0.048	0.048	0.0	55426	505	0.118	0.117	0.9
53565	504	0.085	0.084	1.2	54012	503	0.052	0.051	2.0	55597	501	0.010	0.010	0.0
53565	505	0.061	0.060	1.7	54012	504	0.036	0.035	2.9	55597	503	0.018	0.018	0.0
53631	501	0.012	0.012	0.0	54012	505	0.055	0.054	1.9	55597	504	0.018	0.018	0.0
53631	503	0.021	0.022	-4.5	54077	501	0.050	0.050	0.0	55597	505	0.015	0.016	-6.3
53631	504	0.021	0.022	-4.5	54077	503	0.091	0.094	-3.2	55647	501	0.020	0.020	0.0
53631	505	0.018	0.019	-5.3	54077	504	0.091	0.094	-3.2	55647	503	0.036	0.037	-2.7
53632	501	0.013	0.013	0.0	54077	505	0.079	0.081	-2.5	55647	504	0.036	0.037	-2.7
53632	503	0.024	0.025	-4.0	55010	501	0.151	0.150	0.7	55647	505	0.031	0.032	-3.1
53632	504	0.024	0.025	-4.0	55010	503	0.280	0.280	0.0	55648	501	0.009	0.009	0.0
53632	505	0.021	0.021	0.0	55010	504	0.270	0.280	-3.6	55648	503	0.016	0.017	-5.9
53731	501	0.012	0.012	0.0	55010	505	0.238	0.243	-2.1	55648	504	0.016	0.017	-5.9
53731	503	0.022	0.023	-4.3	55011	501	0.041	0.041	0.0	55648	505	0.014	0.014	0.0
53731	504	0.022	0.023	-4.3	55011	503	0.074	0.076	-2.6	55649	501	0.011	0.011	0.0
53731	505	0.019	0.020	-5.0	55011	504	0.074	0.076	-2.6	55649	503	0.019	0.020	-5.0
53732	501	0.083	0.083	0.0	55011	505	0.064	0.066	-3.0	55649	504	0.019	0.020	-5.0
53732	503	0.152	0.155	-1.9	55012	501	0.049	0.048	2.1	55649	505	0.017	0.017	0.0
53732	504	0.151	0.156	-3.2	55012	503	0.089	0.091	-2.2	55715	501	0.078	0.078	0.0
53732	505	0.131	0.134	-2.2	55012	504	0.088	0.091	-3.3	55715	503	0.143	0.146	-2.1
53733	501	0.054	0.054	0.0	55012	505	0.077	0.078	-1.3	55715	504	0.142	0.146	-2.7
53733	503	0.099	0.101	-2.0	55013	501	0.087	0.088	-1.1	55715	505	0.123	0.126	-2.4
53733	504	0.098	0.101	-3.0	55013	503	0.079	0.079	0.0	55716	501	0.113	0.112	0.9
53733	505	0.085	0.087	-2.3	55013	504	0.118	0.119	-0.8	55716	503	0.206	0.211	-2.4
53734	501	0.480	0.480	0.0	55013	505	0.097	0.096	1.0	55716	504	0.205	0.211	-2.8
53734	503	0.520	0.510	2.0	55214	501	0.039	0.039	0.0	55716	505	0.178	0.182	-2.2
53734	504	0.360	0.350	2.9	55214	503	0.072	0.074	-2.7	55717	501	0.140	0.141	-0.7
53734	505	0.550	0.540	1.9	55214	504	0.071	0.074	-4.1	55717	503	0.126	0.126	0.0
53803	501	0.230	0.232	-0.9	55214	505	0.062	0.063	-1.6	55717	504	0.189	0.190	-0.5
53803	503	0.207	0.208	-0.5	55371	501	0.300	0.300	0.0	55717	505	0.156	0.154	1.3
53803	504	0.310	0.310	0.0	55371	503	0.290	0.290	0.0	55718	501	0.136	0.136	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
55718	503	0.122	0.122	0.0	56202	501	0.028	0.028	0.0	56652	505	0.130	0.129	0.8
55718	504	0.183	0.184	-0.5	56202	503	0.051	0.052	-1.9	56653	501	0.113	0.113	0.0
55718	505	0.151	0.150	0.7	56202	504	0.050	0.052	-3.8	56653	503	0.101	0.102	-1.0
55802	501	0.078	0.077	1.3	56202	505	0.044	0.045	-2.2	56653	504	0.152	0.153	-0.7
55802	503	0.076	0.074	2.7	56390	501	0.049	0.048	2.1	56653	505	0.125	0.124	0.8
55802	504	0.088	0.087	1.1	56390	503	0.089	0.091	-2.2	56654	501	0.058	0.058	0.0
55802	505	0.063	0.062	1.6	56390	504	0.088	0.091	-3.3	56654	503	0.052	0.052	0.0
55918	501	0.045	0.045	0.0	56390	505	0.077	0.078	-1.3	56654	504	0.078	0.078	0.0
55918	503	0.082	0.084	-2.4	56391	501	0.042	0.042	0.0	56654	505	0.064	0.064	0.0
55918	504	0.081	0.084	-3.6	56391	503	0.076	0.078	-2.6	56690	501	0.067	0.066	1.5
55918	505	0.070	0.072	-2.8	56391	504	0.076	0.078	-2.6	56690	503	0.066	0.064	3.1
55919	501	0.006	0.006	0.0	56391	505	0.066	0.067	-1.5	56690	504	0.076	0.075	1.3
55919	503	0.011	0.011	0.0	56427	501	0.067	0.067	0.0	56690	505	0.054	0.053	1.9
55919	504	0.011	0.011	0.0	56427	503	0.123	0.126	-2.4	56699	501	0.031	0.031	0.0
55919	505	0.010	0.010	0.0	56427	504	0.122	0.126	-3.2	56699	503	0.057	0.058	-1.7
56040	501	0.004	0.004	0.0	56427	505	0.106	0.108	-1.9	56699	504	0.056	0.058	-3.4
56040	503	0.008	0.008	0.0	56488	501	0.130	0.128	1.6	56699	505	0.049	0.050	-2.0
56040	504	0.008	0.008	0.0	56488	503	0.127	0.124	2.4	56758	501	0.026	0.026	0.0
56040	505	0.007	0.007	0.0	56488	504	0.146	0.145	0.7	56758	503	0.048	0.049	-2.0
56041	501	0.028	0.028	0.0	56488	505	0.105	0.103	1.9	56758	504	0.048	0.049	-2.0
56041	503	0.051	0.052	-1.9	56567	501	0.098	0.099	-1.0	56758	505	0.041	0.042	-2.4
56041	504	0.050	0.052	-3.8	56567	503	0.088	0.089	-1.1	56759	501	0.027	0.027	0.0
56041	505	0.044	0.045	-2.2	56567	504	0.133	0.134	-0.7	56759	503	0.049	0.050	-2.0
56042	501	0.035	0.035	0.0	56567	505	0.109	0.109	0.0	56759	504	0.049	0.050	-2.0
56042	503	0.064	0.065	-1.5	56650	501	0.300	0.300	0.0	56759	505	0.042	0.043	-2.3
56042	504	0.063	0.066	-4.5	56650	503	0.270	0.270	0.0	56760	501	0.039	0.038	2.6
56042	505	0.055	0.056	-1.8	56650	504	0.410	0.410	0.0	56760	503	0.070	0.072	-2.8
56170	501	0.095	0.095	0.0	56650	505	0.330	0.330	0.0	56760	504	0.070	0.072	-2.8
56170	503	0.085	0.086	-1.2	56651	501	0.163	0.165	-1.2	56760	505	0.061	0.062	-1.6
56170	504	0.128	0.129	-0.8	56651	503	0.147	0.147	0.0	56805	501	0.051	0.051	0.0
56170	505	0.106	0.105	1.0	56651	504	0.221	0.222	-0.5	56805	503	0.093	0.095	-2.1
56171	501	0.047	0.047	0.0	56651	505	0.182	0.181	0.6	56805	504	0.092	0.095	-3.2
56171	503	0.042	0.042	0.0	56652	501	0.117	0.118	-0.8	56805	505	0.080	0.082	-2.4
56171	504	0.063	0.063	0.0	56652	503	0.105	0.105	0.0	56806	501	0.036	0.036	0.0
56171	505	0.052	0.051	2.0	56652	504	0.158	0.159	-0.6	56806	503	0.066	0.067	-1.5

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56806	504	0.065	0.067	-3.0	56916	503	0.270	0.270	0.0	57146	501	0.098	0.099	-1.0
56806	505	0.057	0.058	-1.7	56916	504	0.400	0.410	-2.4	57146	503	0.088	0.089	-1.1
56807	501	0.036	0.035	2.9	56916	505	0.330	0.330	0.0	57146	504	0.133	0.134	-0.7
56807	503	0.065	0.067	-3.0	56917	501	0.086	0.087	-1.1	57146	505	0.109	0.109	0.0
56807	504	0.065	0.067	-3.0	56917	503	0.078	0.078	0.0	57202	501	0.034	0.034	0.0
56807	505	0.056	0.057	-1.8	56917	504	0.117	0.117	0.0	57202	503	0.063	0.064	-1.6
56808	501	0.047	0.046	2.2	56917	505	0.096	0.095	1.1	57202	504	0.062	0.064	-3.1
56808	503	0.085	0.087	-2.3	56918	501	0.042	0.042	0.0	57202	505	0.054	0.055	-1.8
56808	504	0.084	0.087	-3.4	56918	503	0.037	0.037	0.0	57257	501	0.043	0.042	2.4
56808	505	0.073	0.075	-2.7	56918	504	0.056	0.056	0.0	57257	503	0.078	0.080	-2.5
56900	501	0.045	0.045	0.0	56918	505	0.046	0.046	0.0	57257	504	0.077	0.080	-3.7
56900	503	0.082	0.084	-2.4	56919	501	0.106	0.107	-0.9	57257	505	0.067	0.069	-2.9
56900	504	0.081	0.084	-3.6	56919	503	0.095	0.095	0.0	57401	501	0.024	0.024	0.0
56900	505	0.070	0.072	-2.8	56919	504	0.143	0.144	-0.7	57401	503	0.044	0.045	-2.2
56910	501	0.022	0.022	0.0	56919	505	0.118	0.117	0.9	57401	504	0.044	0.045	-2.2
56910	503	0.041	0.042	-2.4	56920	501	0.097	0.097	0.0	57401	505	0.038	0.039	-2.6
56910	504	0.041	0.042	-2.4	56920	503	0.087	0.087	0.0	57403	501	0.159	0.157	1.3
56910	505	0.035	0.036	-2.8	56920	504	0.131	0.131	0.0	57403	503	0.156	0.152	2.6
56911	501	0.085	0.085	0.0	56920	505	0.108	0.107	0.9	57403	504	0.180	0.177	1.7
56911	503	0.076	0.076	0.0	56980	501	0.039	0.039	0.0	57403	505	0.128	0.126	1.6
56911	504	0.115	0.115	0.0	56980	503	0.071	0.072	-1.4	57410	501	0.012	0.012	0.0
56911	505	0.094	0.094	0.0	56980	504	0.070	0.073	-4.1	57410	503	0.021	0.022	-4.5
56912	501	0.069	0.069	0.0	56980	505	0.061	0.062	-1.6	57410	504	0.021	0.022	-4.5
56912	503	0.062	0.062	0.0	57001	501	0.013	0.013	0.0	57410	505	0.018	0.019	-5.3
56912	504	0.093	0.093	0.0	57001	503	0.024	0.025	-4.0	57411	501	0.024	0.024	0.0
56912	505	0.076	0.076	0.0	57001	504	0.024	0.025	-4.0	57411	503	0.021	0.021	0.0
56913	501	0.056	0.056	0.0	57001	505	0.021	0.021	0.0	57411	504	0.032	0.032	0.0
56913	503	0.050	0.050	0.0	57002	501	0.009	0.009	0.0	57411	505	0.026	0.026	0.0
56913	504	0.076	0.076	0.0	57002	503	0.016	0.016	0.0	57572	501	0.007	0.007	0.0
56913	505	0.062	0.062	0.0	57002	504	0.016	0.016	0.0	57572	503	0.013	0.013	0.0
56915	501	0.330	0.330	0.0	57002	505	0.014	0.014	0.0	57572	504	0.012	0.013	-7.7
56915	503	0.300	0.300	0.0	57090	501	0.155	0.156	-0.6	57572	505	0.011	0.011	0.0
56915	504	0.450	0.450	0.0	57090	503	0.140	0.140	0.0	57600	501	0.020	0.020	0.0
56915	505	0.370	0.370	0.0	57090	504	0.210	0.211	-0.5	57600	503	0.037	0.038	-2.6
56916	501	0.300	0.300	0.0	57090	505	0.173	0.171	1.2	57600	504	0.037	0.038	-2.6

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57600	505	0.032	0.033	-3.0	57800	504	0.075	0.078	-3.8	58009	503	0.039	0.039	0.0
57611	501	0.051	0.051	0.0	57800	505	0.065	0.067	-3.0	58009	504	0.058	0.059	-1.7
57611	503	0.046	0.046	0.0	57808	501	0.026	0.026	0.0	58009	505	0.048	0.048	0.0
57611	504	0.069	0.069	0.0	57808	503	0.024	0.024	0.0	58010	501	0.055	0.055	0.0
57611	505	0.057	0.056	1.8	57808	504	0.036	0.036	0.0	58010	503	0.101	0.103	-1.9
57625	501	0.180	0.179	0.6	57808	505	0.029	0.029	0.0	58010	504	0.100	0.103	-2.9
57625	503	0.330	0.340	-2.9	57809	501	0.027	0.027	0.0	58010	505	0.087	0.089	-2.2
57625	504	0.330	0.340	-2.9	57809	503	0.024	0.024	0.0	58020	501	0.171	0.169	1.2
57625	505	0.280	0.290	-3.4	57809	504	0.037	0.037	0.0	58020	503	0.168	0.163	3.1
57651	501	0.022	0.022	0.0	57809	505	0.030	0.030	0.0	58020	504	0.193	0.191	1.0
57651	503	0.040	0.041	-2.4	57810	501	0.026	0.026	0.0	58020	505	0.138	0.136	1.5
57651	504	0.040	0.041	-2.4	57810	503	0.024	0.024	0.0	58056	501	0.066	0.066	0.0
57651	505	0.034	0.035	-2.9	57810	504	0.036	0.036	0.0	58056	503	0.120	0.123	-2.4
57690	501	0.066	0.066	0.0	57810	505	0.029	0.029	0.0	58056	504	0.119	0.123	-3.3
57690	503	0.060	0.060	0.0	57871	501	0.031	0.032	-3.1	58056	505	0.104	0.106	-1.9
57690	504	0.089	0.090	-1.1	57871	503	0.028	0.028	0.0	58057	501	0.041	0.041	0.0
57690	505	0.074	0.073	1.4	57871	504	0.042	0.043	-2.3	58057	503	0.076	0.077	-1.3
57716	501	0.031	0.032	-3.1	57871	505	0.035	0.035	0.0	58057	504	0.075	0.078	-3.8
57716	503	0.028	0.028	0.0	57913	501	0.054	0.053	1.9	58057	505	0.065	0.067	-3.0
57716	504	0.042	0.043	-2.3	57913	503	0.098	0.100	-2.0	58058	501	0.037	0.037	0.0
57716	505	0.035	0.035	0.0	57913	504	0.097	0.100	-3.0	58058	503	0.068	0.070	-2.9
57725	501	0.069	0.069	0.0	57913	505	0.084	0.086	-2.3	58058	504	0.067	0.070	-4.3
57725	503	0.062	0.062	0.0	57997	501	0.106	0.106	0.0	58058	505	0.059	0.060	-1.7
57725	504	0.093	0.093	0.0	57997	503	0.116	0.114	1.8	58095	501	0.052	0.052	0.0
57725	505	0.076	0.076	0.0	57997	504	0.079	0.078	1.3	58095	503	0.096	0.098	-2.0
57726	501	0.053	0.054	-1.9	57997	505	0.122	0.121	0.8	58095	504	0.095	0.098	-3.1
57726	503	0.048	0.048	0.0	57998	501	0.024	0.024	0.0	58095	505	0.082	0.084	-2.4
57726	504	0.072	0.073	-1.4	57998	503	0.043	0.044	-2.3	58096	501	0.070	0.069	1.4
57726	505	0.059	0.059	0.0	57998	504	0.043	0.044	-2.3	58096	503	0.127	0.130	-2.3
57798	501	0.011	0.011	0.0	57998	505	0.037	0.038	-2.6	58096	504	0.126	0.130	-3.1
57798	503	0.020	0.021	-4.8	57999	501	0.043	0.043	0.0	58096	505	0.109	0.112	-2.7
57798	504	0.020	0.021	-4.8	57999	503	0.039	0.039	0.0	58301	501	0.033	0.033	0.0
57798	505	0.017	0.018	-5.6	57999	504	0.058	0.059	-1.7	58301	503	0.030	0.030	0.0
57800	501	0.041	0.041	0.0	57999	505	0.048	0.048	0.0	58301	504	0.045	0.045	0.0
57800	503	0.076	0.077	-1.3	58009	501	0.043	0.043	0.0	58301	505	0.037	0.036	2.8

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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
58302	501	0.019	0.019	0.0	58503	505	0.046	0.047	-2.1	58737	504	0.089	0.092	-3.3
58302	503	0.034	0.035	-2.9	58532	501	0.038	0.037	2.7	58737	505	0.077	0.079	-2.5
58302	504	0.034	0.035	-2.9	58532	503	0.068	0.070	-2.9	58756	501	0.041	0.041	0.0
58302	505	0.030	0.030	0.0	58532	504	0.068	0.070	-2.9	58756	503	0.037	0.037	0.0
58397	501	0.109	0.108	0.9	58532	505	0.059	0.060	-1.7	58756	504	0.055	0.055	0.0
58397	503	0.199	0.204	-2.5	58559	501	0.008	0.008	0.0	58756	505	0.045	0.045	0.0
58397	504	0.197	0.204	-3.4	58559	503	0.014	0.014	0.0	58757	501	0.166	0.165	0.6
58397	505	0.171	0.175	-2.3	58559	504	0.014	0.014	0.0	58757	503	0.300	0.310	-3.2
58408	501	0.063	0.062	1.6	58559	505	0.012	0.012	0.0	58757	504	0.300	0.310	-3.2
58408	503	0.068	0.067	1.5	58560	501	0.018	0.018	0.0	58757	505	0.260	0.270	-3.7
58408	504	0.047	0.046	2.2	58560	503	0.034	0.034	0.0	58759	501	0.020	0.020	0.0
58408	505	0.072	0.071	1.4	58560	504	0.033	0.035	-5.7	58759	503	0.037	0.038	-2.6
58409	501	0.080	0.079	1.3	58560	505	0.029	0.030	-3.3	58759	504	0.037	0.038	-2.6
58409	503	0.087	0.086	1.2	58575	501	0.024	0.024	0.0	58759	505	0.032	0.033	-3.0
58409	504	0.059	0.059	0.0	58575	503	0.043	0.044	-2.3	58802	501	0.023	0.023	0.0
58409	505	0.092	0.091	1.1	58575	504	0.043	0.044	-2.3	58802	503	0.043	0.044	-2.3
58456	501	0.043	0.042	2.4	58575	505	0.037	0.038	-2.6	58802	504	0.042	0.044	-4.5
58456	503	0.046	0.046	0.0	58627	501	0.076	0.076	0.0	58802	505	0.037	0.038	-2.6
58456	504	0.032	0.031	3.2	58627	503	0.139	0.143	-2.8	58813	501	0.100	0.101	-1.0
58456	505	0.049	0.048	2.1	58627	504	0.138	0.143	-3.5	58813	503	0.090	0.090	0.0
58457	501	0.062	0.061	1.6	58627	505	0.120	0.123	-2.4	58813	504	0.135	0.136	-0.7
58457	503	0.067	0.066	1.5	58663	501	0.218	0.219	-0.5	58813	505	0.111	0.110	0.9
58457	504	0.046	0.045	2.2	58663	503	0.196	0.196	0.0	58822	501	0.064	0.064	0.0
58457	505	0.071	0.070	1.4	58663	504	0.290	0.300	-3.3	58822	503	0.117	0.120	-2.5
58458	501	0.080	0.079	1.3	58663	505	0.242	0.240	0.8	58822	504	0.116	0.120	-3.3
58458	503	0.087	0.086	1.2	58682	501	0.068	0.068	0.0	58822	505	0.101	0.103	-1.9
58458	504	0.059	0.059	0.0	58682	503	0.124	0.127	-2.4	58837	501	0.201	0.202	-0.5
58458	505	0.092	0.091	1.1	58682	504	0.123	0.127	-3.1	58837	503	0.181	0.181	0.0
58459	501	0.096	0.095	1.1	58682	505	0.107	0.109	-1.8	58837	504	0.270	0.270	0.0
58459	503	0.104	0.103	1.0	58713	501	0.049	0.049	0.0	58837	505	0.224	0.222	0.9
58459	504	0.071	0.070	1.4	58713	503	0.049	0.047	4.3	58840	501	0.060	0.061	-1.6
58459	505	0.110	0.109	0.9	58713	504	0.056	0.055	1.8	58840	503	0.054	0.054	0.0
58503	501	0.029	0.029	0.0	58713	505	0.040	0.039	2.6	58840	504	0.081	0.082	-1.2
58503	503	0.053	0.054	-1.9	58737	501	0.049	0.049	0.0	58840	505	0.067	0.066	1.5
58503	504	0.053	0.054	-1.9	58737	503	0.090	0.092	-2.2	58873	501	0.096	0.096	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
58873	503	0.086	0.086	0.0	59223	501	0.099	0.100	-1.0	59647	505	0.127	0.125	1.6
58873	504	0.130	0.130	0.0	59223	503	0.089	0.089	0.0	59660	501	0.088	0.087	1.1
58873	505	0.107	0.106	0.9	59223	504	0.134	0.135	-0.7	59660	503	0.160	0.164	-2.4
58903	501	0.015	0.015	0.0	59223	505	0.110	0.109	0.9	59660	504	0.159	0.164	-3.0
58903	503	0.027	0.027	0.0	59257	501	0.008	0.007	14.3	59660	505	0.138	0.141	-2.1
58903	504	0.027	0.027	0.0	59257	503	0.014	0.014	0.0	59661	501	0.043	0.043	0.0
58903	505	0.023	0.024	-4.2	59257	504	0.014	0.014	0.0	59661	503	0.078	0.080	-2.5
58904	501	0.011	0.011	0.0	59257	505	0.012	0.012	0.0	59661	504	0.078	0.080	-2.5
58904	503	0.021	0.021	0.0	59306	501	0.047	0.047	0.0	59661	505	0.068	0.069	-1.4
58904	504	0.020	0.021	-4.8	59306	503	0.086	0.088	-2.3	59693	501	0.007	0.007	0.0
58904	505	0.018	0.018	0.0	59306	504	0.085	0.088	-3.4	59693	503	0.013	0.013	0.0
58922	501	0.159	0.160	-0.6	59306	505	0.074	0.076	-2.6	59693	504	0.013	0.013	0.0
58922	503	0.143	0.144	-0.7	59378	501	0.064	0.065	-1.5	59693	505	0.011	0.012	-8.3
58922	504	0.215	0.216	-0.5	59378	503	0.058	0.058	0.0	59701	501	0.004	0.004	0.0L
58922	505	0.177	0.176	0.6	59378	504	0.087	0.088	-1.1	59701	503	0.006	0.006	0.0
59005	501	0.028	0.028	0.0	59378	505	0.072	0.071	1.4	59701	504	0.006	0.006	0.0
59005	503	0.051	0.052	-1.9	59481	501	0.126	0.126	0.0	59701	505	0.005	0.006	-16.7
59005	504	0.050	0.052	-3.8	59481	503	0.231	0.236	-2.1	59713	501	0.078	0.078	0.0
59005	505	0.044	0.045	-2.2	59481	504	0.229	0.237	-3.4	59713	503	0.143	0.147	-2.7
59057	501	0.206	0.205	0.5	59481	505	0.199	0.204	-2.5	59713	504	0.142	0.147	-3.4
59057	503	0.380	0.390	-2.6	59482	501	0.350	0.350	0.0	59713	505	0.123	0.126	-2.4
59057	504	0.370	0.390	-5.1	59482	503	0.350	0.340	2.9	59722	501	0.041	0.040	2.5
59057	505	0.320	0.330	-3.0	59482	504	0.400	0.390	2.6	59722	503	0.074	0.076	-2.6
59058	501	0.133	0.133	0.0	59482	505	0.290	0.280	3.6	59722	504	0.074	0.076	-2.6
59058	503	0.243	0.249	-2.4	59537	501	0.069	0.070	-1.4	59722	505	0.064	0.065	-1.5
59058	504	0.242	0.249	-2.8	59537	503	0.063	0.063	0.0	59723	501	0.015	0.015	0.0
59058	505	0.210	0.215	-2.3	59537	504	0.094	0.094	0.0	59723	503	0.028	0.029	-3.4
59188	501	0.340	0.340	0.0	59537	505	0.077	0.077	0.0	59723	504	0.028	0.029	-3.4
59188	503	0.330	0.320	3.1	59601	501	0.048	0.047	2.1	59723	505	0.024	0.025	-4.0
59188	504	0.380	0.380	0.0	59601	503	0.087	0.089	-2.2	59724	501	0.023	0.023	0.0
59188	505	0.270	0.270	0.0	59601	504	0.086	0.089	-3.4	59724	503	0.043	0.044	-2.3
59189	501	0.470	0.460	2.2	59601	505	0.075	0.077	-2.6	59724	504	0.042	0.044	-4.5
59189	503	0.460	0.450	2.2	59647	501	0.158	0.156	1.3	59724	505	0.037	0.038	-2.6
59189	504	0.530	0.520	1.9	59647	503	0.155	0.151	2.6	59725	501	0.029	0.029	0.0
59189	505	0.380	0.370	2.7	59647	504	0.178	0.176	1.1	59725	503	0.053	0.055	-3.6

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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
59725	504	0.053	0.055	-3.6	59782	503	0.060	0.060	0.0	59892	501	0.065	0.066	-1.5
59725	505	0.046	0.047	-2.1	59782	504	0.091	0.091	0.0	59892	503	0.059	0.059	0.0
59726	501	0.021	0.021	0.0	59782	505	0.075	0.074	1.4	59892	504	0.088	0.089	-1.1
59726	503	0.039	0.040	-2.5	59783	501	0.065	0.066	-1.5	59892	505	0.073	0.072	1.4
59726	504	0.039	0.040	-2.5	59783	503	0.059	0.059	0.0	59904	501	0.044	0.044	0.0
59726	505	0.033	0.034	-2.9	59783	504	0.088	0.089	-1.1	59904	503	0.040	0.040	0.0
59738	501	0.068	0.068	0.0	59783	505	0.073	0.072	1.4	59904	504	0.060	0.060	0.0
59738	503	0.124	0.127	-2.4	59784	501	0.050	0.050	0.0	59904	505	0.049	0.049	0.0
59738	504	0.123	0.127	-3.1	59784	503	0.045	0.045	0.0	59905	501	0.037	0.037	0.0
59738	505	0.107	0.109	-1.8	59784	504	0.068	0.068	0.0	59905	503	0.067	0.069	-2.9
59750	501	0.052	0.052	0.0	59784	505	0.056	0.055	1.8	59905	504	0.067	0.069	-2.9
59750	503	0.047	0.047	0.0	59790	501	0.052	0.052	0.0	59905	505	0.058	0.059	-1.7
59750	504	0.070	0.070	0.0	59790	503	0.096	0.098	-2.0	59914	501	0.217	0.216	0.5
59750	505	0.058	0.057	1.8	59790	504	0.095	0.098	-3.1	59914	503	0.400	0.400	0.0
59751	501	0.019	0.019	0.0	59790	505	0.082	0.084	-2.4	59914	504	0.390	0.410	-4.9
59751	503	0.017	0.017	0.0	59798	501	0.170	0.171	-0.6	59914	505	0.340	0.350	-2.9
59751	504	0.025	0.025	0.0	59798	503	0.153	0.153	0.0	59915	501	0.147	0.147	0.0
59751	505	0.021	0.021	0.0	59798	504	0.230	0.231	-0.4	59915	503	0.132	0.132	0.0
59773	501	0.020	0.020	0.0	59798	505	0.190	0.188	1.1	59915	504	0.198	0.199	-0.5
59773	503	0.020	0.019	5.3	59806	501	0.122	0.123	-0.8	59915	505	0.163	0.162	0.6
59773	504	0.023	0.022	4.5	59806	503	0.110	0.110	0.0	59917	501	0.027	0.027	0.0
59773	505	0.016	0.016	0.0	59806	504	0.165	0.166	-0.6	59917	503	0.024	0.024	0.0
59774	501	0.016	0.016	0.0	59806	505	0.136	0.135	0.7	59917	504	0.037	0.037	0.0
59774	503	0.016	0.016	0.0	59867	501	0.059	0.059	0.0	59917	505	0.030	0.030	0.0
59774	504	0.019	0.018	5.6	59867	503	0.108	0.110	-1.8	59923	501	0.005	0.005	0.0
59774	505	0.013	0.013	0.0	59867	504	0.107	0.110	-2.7	59923	503	0.010	0.010	0.0
59775	501	0.021	0.021	0.0	59867	505	0.093	0.095	-2.1	59923	504	0.010	0.010	0.0
59775	503	0.021	0.020	5.0	59886	501	0.008	0.008	0.0	59923	505	0.008	0.009	-11.1
59775	504	0.024	0.024	0.0	59886	503	0.015	0.015	0.0	59925	501	0.390	0.380	2.6
59775	505	0.017	0.017	0.0	59886	504	0.014	0.015	-6.7	59925	503	0.460	0.440	4.5
59781	501	0.045	0.045	0.0	59886	505	0.013	0.013	0.0	59925	504	0.420	0.400	5.0
59781	503	0.040	0.040	0.0	59889	501	0.066	0.065	1.5	59925	505	0.330	0.310	6.5
59781	504	0.061	0.061	0.0	59889	503	0.065	0.063	3.2	59926	501	0.330	0.320	3.1
59781	505	0.050	0.050	0.0	59889	504	0.074	0.074	0.0	59926	503	0.390	0.370	5.4
59782	501	0.067	0.067	0.0	59889	505	0.053	0.052	1.9	59926	504	0.350	0.340	2.9

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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
59926	505	0.280	0.270	3.7	59970	504	0.080	0.081	-1.2	60010	503	11.900	11.200	6.2
59927	501	0.223	0.216	3.2	59970	505	0.066	0.065	1.5	60010	504	9.850	9.130	7.9
59927	503	0.260	0.250	4.0	59973	501	0.060	0.060	0.0	60010	505	10.000	9.300	7.5
59927	504	0.237	0.230	3.0	59973	503	0.110	0.112	-1.8	60011	501	20.600	18.600	10.8
59927	505	0.188	0.180	4.4	59973	504	0.109	0.112	-2.7	60011	503	13.600	12.900	5.4
59931	501	0.097	0.097	0.0	59973	505	0.094	0.097	-3.1	60011	504	11.300	10.500	7.6
59931	503	0.178	0.182	-2.2	59975	501	0.083	0.084	-1.2	60011	505	11.500	10.700	7.5
59931	504	0.177	0.182	-2.7	59975	503	0.075	0.075	0.0	60012	501	33.900	30.500	11.1
59931	505	0.153	0.157	-2.5	59975	504	0.112	0.113	-0.9	60012	503	22.400	21.100	6.2
59932	501	0.105	0.104	1.0	59975	505	0.092	0.092	0.0	60012	504	18.600	17.300	7.5
59932	503	0.191	0.196	-2.6	59977	501	0.047	0.048	-2.1	60012	505	18.900	17.600	7.4
59932	504	0.190	0.196	-3.1	59977	503	0.043	0.043	0.0	60013	501	29.100	26.100	11.5
59932	505	0.165	0.169	-2.4	59977	504	0.064	0.064	0.0	60013	503	19.200	18.100	6.1
59941	501	0.033	0.033	0.0	59977	505	0.053	0.052	1.9	60013	504	16.000	14.800	8.1
59941	503	0.060	0.061	-1.6	59984	501	0.016	0.016	0.0	60013	505	16.200	15.100	7.3
59941	504	0.059	0.061	-3.3	59984	503	0.030	0.031	-3.2	60015	501	21.700	19.500	11.3
59941	505	0.051	0.053	-3.8	59984	504	0.030	0.031	-3.2	60015	503	14.400	13.500	6.7
59947	501	0.044	0.044	0.0	59984	505	0.026	0.026	0.0	60015	504	11.900	11.000	8.2
59947	503	0.040	0.040	0.0	59985	501	0.064	0.064	0.0	60015	505	12.100	11.200	8.0
59947	504	0.060	0.060	0.0	59985	503	0.117	0.120	-2.5	60016	501	24.400	22.000	10.9
59947	505	0.049	0.049	0.0	59985	504	0.116	0.120	-3.3	60016	503	16.100	15.200	5.9
59955	501	0.013	0.012	8.3	59985	505	0.101	0.103	-1.9	60016	504	13.400	12.400	8.1
59955	503	0.023	0.023	0.0	59986	501	0.049	0.049	0.0	60016	505	13.600	12.600	7.9
59955	504	0.023	0.023	0.0	59986	503	0.090	0.092	-2.2	60035	501	30.700	27.100	13.3
59955	505	0.020	0.020	0.0	59986	504	0.089	0.092	-3.3	60035	503	25.100	23.300	7.7
59963	501	0.093	0.093	0.0	59986	505	0.077	0.079	-2.5	60035	504	17.100	15.500	10.3
59963	503	0.170	0.174	-2.3	59988	501	0.021	0.021	0.0	60035	505	20.500	18.800	9.0
59963	504	0.169	0.174	-2.9	59988	503	0.019	0.019	0.0	61000	501	17.800	16.000	11.2
59963	505	0.146	0.150	-2.7	59988	504	0.029	0.029	0.0	61000	503	11.700	11.100	5.4
59964	501	0.218	0.217	0.5	59988	505	0.024	0.023	4.3	61000	504	9.760	9.040	8.0
59964	503	0.400	0.410	-2.4	59989	501	0.009	0.009	0.0	61000	505	9.920	9.200	7.8
59964	504	0.390	0.410	-4.9	59989	503	0.016	0.016	0.0	61212	501	15.700	14.600	7.5
59964	505	0.340	0.350	-2.9	59989	504	0.016	0.016	0.0	61212	503	12.800	12.500	2.4
59970	501	0.059	0.060	-1.7	59989	505	0.014	0.014	0.0	61212	504	8.710	8.360	4.2
59970	503	0.053	0.053	0.0	60010	501	17.900	16.100	11.2	61212	505	10.500	10.100	4.0

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LOSS COST % CHANGE BY CLASS

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61216	501	17.400	16.200	7.4	62000	505	7.970	7.670	3.9	63216	504	17.200	15.700	9.6
61216	503	14.300	13.900	2.9	62001	501	9.410	8.320	13.1	63216	505	20.800	19.000	9.5
61216	504	9.690	9.280	4.4	62001	503	7.680	7.140	7.6	63217	501	35.400	30.600	15.7
61216	505	11.700	11.200	4.5	62001	504	5.230	4.760	9.9	63217	503	31.200	28.400	9.9
61217	501	15.900	14.700	8.2	62001	505	6.300	5.750	9.6	63217	504	32.300	28.900	11.8
61217	503	12.900	12.600	2.4	62002	501	4.290	3.790	13.2	63217	505	36.300	32.500	11.7
61217	504	8.800	8.440	4.3	62002	503	3.500	3.260	7.4	63218	501	11.900	10.300	15.5
61217	505	10.600	10.200	3.9	62002	504	2.380	2.170	9.7	63218	503	10.500	9.570	9.7
61218	501	10.800	10.100	6.9	62002	505	2.870	2.620	9.5	63218	504	10.900	9.730	12.0
61218	503	8.840	8.640	2.3	62003	501	13.500	12.000	12.5	63218	505	12.200	10.900	11.9
61218	504	6.010	5.770	4.2	62003	503	11.100	10.300	7.8	64074	501	29.500	25.200	17.1
61218	505	7.240	6.960	4.0	62003	504	7.520	6.850	9.8	64074	503	14.300	12.900	10.9
61223	501	76.900	68.000	13.1	62003	505	9.060	8.270	9.6	64074	504	12.500	10.900	14.7
61223	503	62.800	58.300	7.7	63010	501	32.300	29.100	11.0	64074	505	10.900	9.650	13.0
61223	504	42.700	38.900	9.8	63010	503	21.400	20.100	6.5	64075	501	20.800	17.700	17.5
61223	505	51.500	47.000	9.6	63010	504	17.700	16.400	7.9	64075	503	10.100	9.060	11.5
61224	501	24.500	24.100	1.7	63010	505	18.000	16.700	7.8	64075	504	8.770	7.700	13.9
61224	503	20.000	20.700	-3.4	63011	501	40.400	36.300	11.3	64075	505	7.710	6.790	13.5
61224	504	13.600	13.800	-1.4	63011	503	26.700	25.200	6.0	65007	501	27.200	24.100	12.9
61224	505	16.400	16.600	-1.2	63011	504	22.200	20.500	8.3	65007	503	22.200	20.700	7.2
61225	501	34.000	33.400	1.8	63011	505	22.500	20.900	7.7	65007	504	15.100	13.800	9.4
61225	503	27.800	28.700	-3.1	63012	501	57.400	51.600	11.2	65007	505	18.200	16.600	9.6
61225	504	18.900	19.100	-1.0	63012	503	38.000	35.800	6.1	66122	501	11.700	10.400	12.5
61225	505	22.800	23.100	-1.3	63012	504	31.500	29.200	7.9	66122	503	9.570	8.890	7.6
61226	501	57.200	53.300	7.3	63012	505	32.100	29.800	7.7	66122	504	6.510	5.930	9.8
61226	503	46.700	45.700	2.2	63013	501	54.400	48.900	11.2	66122	505	7.840	7.160	9.5
61226	504	31.800	30.500	4.3	63013	503	35.900	33.900	5.9	66123	501	6.440	5.690	13.2
61226	505	38.300	36.800	4.1	63013	504	29.900	27.700	7.9	66123	503	5.260	4.880	7.8
61227	501	52.300	48.700	7.4	63013	505	30.300	28.200	7.4	66123	504	3.580	3.260	9.8
61227	503	42.800	41.800	2.4	63215	501	44.700	39.600	12.9	66123	505	4.310	3.930	9.7
61227	504	29.100	27.900	4.3	63215	503	36.500	33.900	7.7	66309	501	18.800	16.600	13.3
61227	505	35.100	33.700	4.2	63215	504	24.900	22.600	10.2	66309	503	15.400	14.300	7.7
62000	501	11.900	11.100	7.2	63215	505	29.900	27.300	9.5	66309	504	10.500	9.530	10.2
62000	503	9.690	9.520	1.8	63216	501	31.000	27.400	13.1	66309	505	12.600	11.500	9.6
62000	504	6.620	6.350	4.3	63216	503	25.300	23.500	7.7	66561	501	43.600	38.500	13.2

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66561	503	35.600	33.100	7.6	67635	501	24.800	21.900	13.2	68703	505	2.320	2.120	9.4
66561	504	24.200	22.100	9.5	67635	503	20.200	18.800	7.4	68706	501	14.900	13.100	13.7
66561	505	29.200	26.600	9.8	67635	504	13.800	12.500	10.4	68706	503	12.100	11.300	7.1
67017	501	40.400	35.800	12.8	67635	505	16.600	15.100	9.9	68706	504	8.260	7.520	9.8
67017	503	33.000	30.700	7.5	68001	501	75.600	66.800	13.2	68706	505	9.940	9.080	9.5
67017	504	22.500	20.500	9.8	68001	503	61.700	57.300	7.7	68707	501	14.700	13.000	13.1
67017	505	27.100	24.700	9.7	68001	504	42.000	38.300	9.7	68707	503	12.000	11.100	8.1
67508	501	34.900	29.600	17.9	68001	505	50.600	46.200	9.5	68707	504	8.160	7.440	9.7
67508	503	40.500	36.100	12.2	68439	501	97.200	86.000	13.0	68707	505	9.830	8.980	9.5
67508	504	19.500	17.100	14.0	68439	503	79.400	73.700	7.7	90089	501	5.070	5.040	0.6
67508	505	17.700	15.500	14.2	68439	504	54.000	49.200	9.8	90089	503	5.070	5.040	0.6
67509	501	25.600	21.700	18.0	68439	505	65.100	59.400	9.6	90089	504	5.070	5.040	0.6
67509	503	29.700	26.500	12.1	68500	501	3.950	3.550	11.3	90089	505	5.070	5.040	0.6
67509	504	14.300	12.500	14.4	68500	503	2.610	2.460	6.1	91111	501	4.400	4.320	1.9
67509	505	13.000	11.400	14.0	68500	504	2.170	2.010	8.0	91111	503	4.400	4.320	1.9
67510	501	14.300	12.100	18.2	68500	505	2.200	2.050	7.3	91111	504	4.400	4.320	1.9
67510	503	16.500	14.700	12.2	68604	501	1.820	1.610	13.0	91111	505	4.400	4.320	1.9
67510	504	7.970	6.980	14.2	68604	503	1.480	1.380	7.2	91125	501	3.050	3.040	0.3
67510	505	7.220	6.330	14.1	68604	504	1.010	0.920	9.8	91125	503	3.050	3.040	0.3
67511	501	15.400	13.100	17.6	68604	505	1.210	1.110	9.0	91125	504	3.050	3.040	0.3
67511	503	17.900	15.900	12.6	68606	501	7.100	6.280	13.1	91125	505	3.050	3.040	0.3
67511	504	8.620	7.550	14.2	68606	503	5.790	5.380	7.6	91127	501	2.960	2.910	1.7
67511	505	7.800	6.850	13.9	68606	504	3.940	3.590	9.7	91127	503	2.960	2.910	1.7
67512	501	66.000	56.000	17.9	68606	505	4.750	4.340	9.4	91127	504	2.960	2.910	1.7
67512	503	76.600	68.300	12.2	68607	501	5.610	4.960	13.1	91127	505	2.960	2.910	1.7
67512	504	36.900	32.300	14.2	68607	503	4.580	4.260	7.5	91130	501	1.440	1.400	2.9
67512	505	33.400	29.300	14.0	68607	504	3.120	2.840	9.9	91130	503	1.440	1.400	2.9
67513	501	41.900	35.500	18.0	68607	505	3.760	3.430	9.6	91130	504	1.440	1.400	2.9
67513	503	48.600	43.300	12.2	68702	501	4.620	4.090	13.0	91130	505	1.440	1.400	2.9
67513	504	23.400	20.500	14.1	68702	503	3.770	3.510	7.4	91135	501	0.400	0.390	2.6
67513	505	21.200	18.600	14.0	68702	504	2.570	2.340	9.8	91135	503	0.400	0.390	2.6
67634	501	35.000	30.900	13.3	68702	505	3.090	2.820	9.6	91135	504	0.400	0.390	2.6
67634	503	28.600	26.500	7.9	68703	501	3.470	3.060	13.4	91135	505	0.400	0.390	2.6
67634	504	19.400	17.700	9.6	68703	503	2.830	2.630	7.6	91150	501	2.790	2.750	1.5
67634	505	23.400	21.400	9.3	68703	504	1.930	1.760	9.7	91150	503	2.790	2.750	1.5

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91150	504	2.790	2.750	1.5	91250	503	5.140	5.050	1.8	91343	501	1.170	1.160	0.9
91150	505	2.790	2.750	1.5	91250	504	5.140	5.050	1.8	91343	503	1.170	1.160	0.9
91155	501	6.200	6.100	1.6	91250	505	5.140	5.050	1.8	91343	504	1.170	1.160	0.9
91155	503	6.200	6.100	1.6	91265	501	17.600	17.100	2.9	91343	505	1.170	1.160	0.9
91155	504	6.200	6.100	1.6	91265	503	17.600	17.100	2.9	91405	501	9.420	8.850	6.4
91155	505	6.200	6.100	1.6	91265	504	17.600	17.100	2.9	91405	503	9.420	8.850	6.4
91160	501	1.230	1.220	0.8	91265	505	17.600	17.100	2.9	91405	504	9.420	8.850	6.4
91160	503	1.230	1.220	0.8	91266	501	9.300	9.040	2.9	91405	505	9.420	8.850	6.4
91160	504	1.230	1.220	0.8	91266	503	9.300	9.040	2.9	91436	501	5.990	5.960	0.5
91160	505	1.230	1.220	0.8	91266	504	9.300	9.040	2.9	91436	503	5.990	5.960	0.5
91175	501	1.060	1.050	1.0	91266	505	9.300	9.040	2.9	91436	504	5.990	5.960	0.5
91175	503	1.060	1.050	1.0	91302	501	18.300	17.200	6.4	91436	505	5.990	5.960	0.5
91175	504	1.060	1.050	1.0	91302	503	18.300	17.200	6.4	91481	501	21.900	21.800	0.5
91175	505	1.060	1.050	1.0	91302	504	18.300	17.200	6.4	91481	503	21.900	21.800	0.5
91177	501	4.620	4.590	0.7	91302	505	18.300	17.200	6.4	91481	504	21.900	21.800	0.5
91177	503	4.620	4.590	0.7	91315	501	5.570	5.230	6.5	91481	505	21.900	21.800	0.5
91177	504	4.620	4.590	0.7	91315	503	5.570	5.230	6.5	91507	501	3.220	3.210	0.3
91177	505	4.620	4.590	0.7	91315	504	5.570	5.230	6.5	91507	503	3.220	3.210	0.3
91179	501	4.640	4.610	0.7	91315	505	5.570	5.230	6.5	91507	504	3.220	3.210	0.3
91179	503	4.640	4.610	0.7	91324	501	12.400	11.600	6.9	91507	505	3.220	3.210	0.3
91179	504	4.640	4.610	0.7	91324	503	12.400	11.600	6.9	91523	501	49.700	49.400	0.6
91179	505	4.640	4.610	0.7	91324	504	12.400	11.600	6.9	91523	503	49.700	49.400	0.6
91190	501	2.490	2.470	0.8	91324	505	12.400	11.600	6.9	91523	504	49.700	49.400	0.6
91190	503	2.490	2.470	0.8	91340	501	8.090	7.600	6.4	91523	505	49.700	49.400	0.6
91190	504	2.490	2.470	0.8	91340	503	8.090	7.600	6.4	91547	501	0.280	0.280	0.0
91190	505	2.490	2.470	0.8	91340	504	8.090	7.600	6.4	91547	503	0.280	0.280	0.0
91200	501	0.820	0.800	2.5	91340	505	8.090	7.600	6.4	91547	504	0.280	0.280	0.0
91200	503	0.820	0.800	2.5	91341	501	5.300	5.270	0.6	91547	505	0.280	0.280	0.0
91200	504	0.820	0.800	2.5	91341	503	5.300	5.270	0.6	91551	501	1.750	1.740	0.6
91200	505	0.820	0.800	2.5	91341	504	5.300	5.270	0.6	91551	503	1.750	1.740	0.6
91235	501	3.410	3.350	1.8	91341	505	5.300	5.270	0.6	91551	504	1.750	1.740	0.6
91235	503	3.410	3.350	1.8	91342	501	7.420	6.970	6.5	91551	505	1.750	1.740	0.6
91235	504	3.410	3.350	1.8	91342	503	7.420	6.970	6.5	91555	501	2.050	2.020	1.5
91235	505	3.410	3.350	1.8	91342	504	7.420	6.970	6.5	91555	503	2.050	2.020	1.5
91250	501	5.140	5.050	1.8	91342	505	7.420	6.970	6.5	91555	504	2.050	2.020	1.5

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91555	505	2.050	2.020	1.5	91641	504	1.340	1.300	3.1	92102	503	5.450	5.420	0.6
91560	501	5.140	5.000	2.8	91641	505	1.340	1.300	3.1	92102	504	5.450	5.420	0.6
91560	503	5.140	5.000	2.8	91666	501	1.090	1.090	0.0	92102	505	5.450	5.420	0.6
91560	504	5.140	5.000	2.8	91666	503	1.090	1.090	0.0	92215	501	4.890	4.810	1.7
91560	505	5.140	5.000	2.8	91666	504	1.090	1.090	0.0	92215	503	4.890	4.810	1.7
91562	501	3.900	3.880	0.5	91666	505	1.090	1.090	0.0	92215	504	4.890	4.810	1.7
91562	503	3.900	3.880	0.5	91722	501	4.320	4.200	2.9	92215	505	4.890	4.810	1.7
91562	504	3.900	3.880	0.5	91722	503	4.320	4.200	2.9	92338	501	2.090	2.080	0.5
91562	505	3.900	3.880	0.5	91722	504	4.320	4.200	2.9	92338	503	2.090	2.080	0.5
91577	501	14.000	13.900	0.7	91722	505	4.320	4.200	2.9	92338	504	2.090	2.080	0.5
91577	503	14.000	13.900	0.7	91746	501	3.900	3.880	0.5	92338	505	2.090	2.080	0.5
91577	504	14.000	13.900	0.7	91746	503	3.900	3.880	0.5	92445	501	2.830	2.750	2.9
91577	505	14.000	13.900	0.7	91746	504	3.900	3.880	0.5	92445	503	2.830	2.750	2.9
91580	501	6.780	6.590	2.9	91746	505	3.900	3.880	0.5	92445	504	2.830	2.750	2.9
91580	503	6.780	6.590	2.9	91805	501	0.245	0.244	0.4	92445	505	2.830	2.750	2.9
91580	504	6.780	6.590	2.9	91805	503	0.245	0.244	0.4	92446	501	6.880	6.840	0.6
91580	505	6.780	6.590	2.9	91805	504	0.245	0.244	0.4	92446	503	6.880	6.840	0.6
91590	501	4.050	4.030	0.5	91805	505	0.245	0.244	0.4	92446	504	6.880	6.840	0.6
91590	503	4.050	4.030	0.5	92053	501	0.600	0.600	0.0	92446	505	6.880	6.840	0.6
91590	504	4.050	4.030	0.5	92053	503	0.600	0.600	0.0	92447	501	6.010	5.980	0.5
91590	505	4.050	4.030	0.5	92053	504	0.600	0.600	0.0	92447	503	6.010	5.980	0.5
91606	501	14.100	13.700	2.9	92053	505	0.600	0.600	0.0	92447	504	6.010	5.980	0.5
91606	503	14.100	13.700	2.9	92054	501	0.207	0.206	0.5	92447	505	6.010	5.980	0.5
91606	504	14.100	13.700	2.9	92054	503	0.207	0.206	0.5	92451	501	3.410	3.350	1.8
91606	505	14.100	13.700	2.9	92054	504	0.207	0.206	0.5	92451	503	3.410	3.350	1.8
91629	501	2.880	2.800	2.9	92054	505	0.207	0.206	0.5	92451	504	3.410	3.350	1.8
91629	503	2.880	2.800	2.9	92055	501	5.790	5.760	0.5	92451	505	3.410	3.350	1.8
91629	504	2.880	2.800	2.9	92055	503	5.790	5.760	0.5	92453	501	3.810	3.790	0.5
91629	505	2.880	2.800	2.9	92055	504	5.790	5.760	0.5	92453	503	3.810	3.790	0.5
91636	501	4.930	4.800	2.7	92055	505	5.790	5.760	0.5	92453	504	3.810	3.790	0.5
91636	503	4.930	4.800	2.7	92101	501	9.050	9.000	0.6	92453	505	3.810	3.790	0.5
91636	504	4.930	4.800	2.7	92101	503	9.050	9.000	0.6	92478	501	1.890	1.870	1.1
91636	505	4.930	4.800	2.7	92101	504	9.050	9.000	0.6	92478	503	1.890	1.870	1.1
91641	501	1.340	1.300	3.1	92101	505	9.050	9.000	0.6	92478	504	1.890	1.870	1.1
91641	503	1.340	1.300	3.1	92102	501	5.450	5.420	0.6	92478	505	1.890	1.870	1.1

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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
92593	501	44.800	44.100	1.6	94404	505	5.110	5.080	0.6	95357	504	1.440	1.400	2.9
92593	503	44.800	44.100	1.6	94569	501	3.450	3.430	0.6	95357	505	1.440	1.400	2.9
92593	504	44.800	44.100	1.6	94569	503	3.450	3.430	0.6	95410	501	5.200	5.170	0.6
92593	505	44.800	44.100	1.6	94569	504	3.450	3.430	0.6	95410	503	5.200	5.170	0.6
92663	501	0.670	0.650	3.1	94569	505	3.450	3.430	0.6	95410	504	5.200	5.170	0.6
92663	503	0.670	0.650	3.1	94590	501	14.900	14.800	0.7	95410	505	5.200	5.170	0.6
92663	504	0.670	0.650	3.1	94590	503	14.900	14.800	0.7	95455	501	5.960	5.790	2.9
92663	505	0.670	0.650	3.1	94590	504	14.900	14.800	0.7	95455	503	5.960	5.790	2.9
94007	501	12.900	12.800	0.8	94590	505	14.900	14.800	0.7	95455	504	5.960	5.790	2.9
94007	503	12.900	12.800	0.8	94617	501	4.690	4.670	0.4	95455	505	5.960	5.790	2.9
94007	504	12.900	12.800	0.8	94617	503	4.690	4.670	0.4	95487	501	2.790	2.770	0.7
94007	505	12.900	12.800	0.8	94617	504	4.690	4.670	0.4	95487	503	2.790	2.770	0.7
94099	501	2.940	2.920	0.7	94617	505	4.690	4.670	0.4	95487	504	2.790	2.770	0.7
94099	503	2.940	2.920	0.7	95124	501	1.730	1.720	0.6	95487	505	2.790	2.770	0.7
94099	504	2.940	2.920	0.7	95124	503	1.730	1.720	0.6	95505	501	2.780	2.700	3.0
94099	505	2.940	2.920	0.7	95124	504	1.730	1.720	0.6	95505	503	2.780	2.700	3.0
94225	501	10.300	10.300	0.0	95124	505	1.730	1.720	0.6	95505	504	2.780	2.700	3.0
94225	503	10.300	10.300	0.0	95233	501	3.710	3.690	0.5	95505	505	2.780	2.700	3.0
94225	504	10.300	10.300	0.0	95233	503	3.710	3.690	0.5	95620	501	2.260	2.250	0.4
94225	505	10.300	10.300	0.0	95233	504	3.710	3.690	0.5	95620	503	2.260	2.250	0.4
94276	501	5.390	5.360	0.6	95233	505	3.710	3.690	0.5	95620	504	2.260	2.250	0.4
94276	503	5.390	5.360	0.6	95305	501	4.030	4.010	0.5	95620	505	2.260	2.250	0.4
94276	504	5.390	5.360	0.6	95305	503	4.030	4.010	0.5	95625	501	8.760	8.220	6.6
94276	505	5.390	5.360	0.6	95305	504	4.030	4.010	0.5	95625	503	8.760	8.220	6.6
94304	501	4.360	4.280	1.9	95305	505	4.030	4.010	0.5	95625	504	8.760	8.220	6.6
94304	503	4.360	4.280	1.9	95306	501	5.650	5.490	2.9	95625	505	8.760	8.220	6.6
94304	504	4.360	4.280	1.9	95306	503	5.650	5.490	2.9	95647	501	4.110	4.040	1.7
94304	505	4.360	4.280	1.9	95306	504	5.650	5.490	2.9	95647	503	4.110	4.040	1.7
94381	501	8.180	8.040	1.7	95306	505	5.650	5.490	2.9	95647	504	4.110	4.040	1.7
94381	503	8.180	8.040	1.7	95310	501	9.630	9.580	0.5	95647	505	4.110	4.040	1.7
94381	504	8.180	8.040	1.7	95310	503	9.630	9.580	0.5	96053	501	3.120	3.070	1.6
94381	505	8.180	8.040	1.7	95310	504	9.630	9.580	0.5	96053	503	3.120	3.070	1.6
94404	501	5.110	5.080	0.6	95310	505	9.630	9.580	0.5	96053	504	3.120	3.070	1.6
94404	503	5.110	5.080	0.6	95357	501	1.440	1.400	2.9	96053	505	3.120	3.070	1.6
94404	504	5.110	5.080	0.6	95357	503	1.440	1.400	2.9	96317	501	1.490	1.450	2.8

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96317	503	1.490	1.450	2.8	97050	501	4.380	4.110	6.6	97651	505	6.990	6.790	2.9
96317	504	1.490	1.450	2.8	97050	503	4.380	4.110	6.6	97652	501	6.060	5.890	2.9
96317	505	1.490	1.450	2.8	97050	504	4.380	4.110	6.6	97652	503	6.060	5.890	2.9
96408	501	4.510	4.480	0.7	97050	505	4.380	4.110	6.6	97652	504	6.060	5.890	2.9
96408	503	4.510	4.480	0.7	97111	501	6.220	6.190	0.5	97652	505	6.060	5.890	2.9
96408	504	4.510	4.480	0.7	97111	503	6.220	6.190	0.5	97653	501	3.680	3.660	0.5
96408	505	4.510	4.480	0.7	97111	504	6.220	6.190	0.5	97653	503	3.680	3.660	0.5
96409	501	4.170	4.140	0.7	97111	505	6.220	6.190	0.5	97653	504	3.680	3.660	0.5
96409	503	4.170	4.140	0.7	97220	501	0.390	0.370	5.4	97653	505	3.680	3.660	0.5
96409	504	4.170	4.140	0.7	97220	503	0.390	0.370	5.4	97654	501	6.410	6.370	0.6
96409	505	4.170	4.140	0.7	97220	504	0.390	0.370	5.4	97654	503	6.410	6.370	0.6
96410	501	3.660	3.640	0.5	97220	505	0.390	0.370	5.4	97654	504	6.410	6.370	0.6
96410	503	3.660	3.640	0.5	97222	501	2.260	2.220	1.8	97654	505	6.410	6.370	0.6
96410	504	3.660	3.640	0.5	97222	503	2.260	2.220	1.8	97655	501	5.400	5.250	2.9
96410	505	3.660	3.640	0.5	97222	504	2.260	2.220	1.8	97655	503	5.400	5.250	2.9
96611	501	1.860	1.740	6.9	97222	505	2.260	2.220	1.8	97655	504	5.400	5.250	2.9
96611	503	1.860	1.740	6.9	97223	501	3.410	3.350	1.8	97655	505	5.400	5.250	2.9
96611	504	1.860	1.740	6.9	97223	503	3.410	3.350	1.8	98002	501	0.980	0.950	3.2
96611	505	1.860	1.740	6.9	97223	504	3.410	3.350	1.8	98002	503	0.980	0.950	3.2
96702	501	5.180	5.160	0.4	97223	505	3.410	3.350	1.8	98002	504	0.980	0.950	3.2
96702	503	5.180	5.160	0.4	97308	501	0.720	0.700	2.9	98002	505	0.980	0.950	3.2
96702	504	5.180	5.160	0.4	97308	503	0.720	0.700	2.9	98003	501	1.150	1.140	0.9
96702	505	5.180	5.160	0.4	97308	504	0.720	0.700	2.9	98003	503	1.150	1.140	0.9
96816	501	4.860	4.840	0.4	97308	505	0.720	0.700	2.9	98003	504	1.150	1.140	0.9
96816	503	4.860	4.840	0.4	97447	501	2.360	2.300	2.6	98003	505	1.150	1.140	0.9
96816	504	4.860	4.840	0.4	97447	503	2.360	2.300	2.6	98090	501	0.155	0.154	0.6
96816	505	4.860	4.840	0.4	97447	504	2.360	2.300	2.6	98090	503	0.155	0.154	0.6
96872	501	5.290	5.150	2.7	97447	505	2.360	2.300	2.6	98090	504	0.155	0.154	0.6
96872	503	5.290	5.150	2.7	97650	501	4.300	4.270	0.7	98090	505	0.155	0.154	0.6
96872	504	5.290	5.150	2.7	97650	503	4.300	4.270	0.7	98091	501	0.168	0.167	0.6
96872	505	5.290	5.150	2.7	97650	504	4.300	4.270	0.7	98091	503	0.168	0.167	0.6
97047	501	5.640	5.300	6.4	97650	505	4.300	4.270	0.7	98091	504	0.168	0.167	0.6
97047	503	5.640	5.300	6.4	97651	501	6.990	6.790	2.9	98091	505	0.168	0.167	0.6
97047	504	5.640	5.300	6.4	97651	503	6.990	6.790	2.9	98092	501	0.510	0.510	0.0
97047	505	5.640	5.300	6.4	97651	504	6.990	6.790	2.9	98092	503	0.510	0.510	0.0

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98092	504	0.510	0.510	0.0	98161	503	6.220	6.040	3.0	98308	501	1.340	1.330	0.8
98092	505	0.510	0.510	0.0	98161	504	6.220	6.040	3.0	98308	503	1.340	1.330	0.8
98111	501	0.860	0.850	1.2	98161	505	6.220	6.040	3.0	98308	504	1.340	1.330	0.8
98111	503	0.860	0.850	1.2	98163	501	6.530	6.340	3.0	98308	505	1.340	1.330	0.8
98111	504	0.860	0.850	1.2	98163	503	6.530	6.340	3.0	98309	501	6.170	5.990	3.0
98111	505	0.860	0.850	1.2	98163	504	6.530	6.340	3.0	98309	503	6.170	5.990	3.0
98152	501	3.290	3.200	2.8	98163	505	6.530	6.340	3.0	98309	504	6.170	5.990	3.0
98152	503	3.290	3.200	2.8	98164	501	2.880	2.830	1.8	98309	505	6.170	5.990	3.0
98152	504	3.290	3.200	2.8	98164	503	2.880	2.830	1.8	98344	501	1.260	1.180	6.8
98152	505	3.290	3.200	2.8	98164	504	2.880	2.830	1.8	98344	503	1.260	1.180	6.8
98153	501	3.700	3.600	2.8	98164	505	2.880	2.830	1.8	98344	504	1.260	1.180	6.8
98153	503	3.700	3.600	2.8	98257	501	1.730	1.720	0.6	98344	505	1.260	1.180	6.8
98153	504	3.700	3.600	2.8	98257	503	1.730	1.720	0.6	98405	501	2.080	1.950	6.7
98153	505	3.700	3.600	2.8	98257	504	1.730	1.720	0.6	98405	503	2.080	1.950	6.7
98154	501	4.370	4.250	2.8	98257	505	1.730	1.720	0.6	98405	504	2.080	1.950	6.7
98154	503	4.370	4.250	2.8	98303	501	12.300	11.900	3.4	98405	505	2.080	1.950	6.7
98154	504	4.370	4.250	2.8	98303	503	12.300	11.900	3.4	98413	501	16.900	16.800	0.6
98154	505	4.370	4.250	2.8	98303	504	12.300	11.900	3.4	98413	503	16.900	16.800	0.6
98155	501	6.120	5.940	3.0	98303	505	12.300	11.900	3.4	98413	504	16.900	16.800	0.6
98155	503	6.120	5.940	3.0	98304	501	6.430	6.390	0.6	98413	505	16.900	16.800	0.6
98155	504	6.120	5.940	3.0	98304	503	6.430	6.390	0.6	98414	501	15.500	15.400	0.6
98155	505	6.120	5.940	3.0	98304	504	6.430	6.390	0.6	98414	503	15.500	15.400	0.6
98157	501	3.910	3.800	2.9	98304	505	6.430	6.390	0.6	98414	504	15.500	15.400	0.6
98157	503	3.910	3.800	2.9	98305	501	4.530	4.250	6.6	98414	505	15.500	15.400	0.6
98157	504	3.910	3.800	2.9	98305	503	4.530	4.250	6.6	98415	501	2.040	2.020	1.0
98157	505	3.910	3.800	2.9	98305	504	4.530	4.250	6.6	98415	503	2.040	2.020	1.0
98159	501	2.620	2.550	2.7	98305	505	4.530	4.250	6.6	98415	504	2.040	2.020	1.0
98159	503	2.620	2.550	2.7	98306	501	11.700	10.900	7.3	98415	505	2.040	2.020	1.0
98159	504	2.620	2.550	2.7	98306	503	11.700	10.900	7.3	98423	501	4.840	4.820	0.4
98159	505	2.620	2.550	2.7	98306	504	11.700	10.900	7.3	98423	503	4.840	4.820	0.4
98160	501	5.550	5.400	2.8	98306	505	11.700	10.900	7.3	98423	504	4.840	4.820	0.4
98160	503	5.550	5.400	2.8	98307	501	2.040	2.020	1.0	98423	505	4.840	4.820	0.4
98160	504	5.550	5.400	2.8	98307	503	2.040	2.020	1.0	98424	501	8.220	8.170	0.6
98160	505	5.550	5.400	2.8	98307	504	2.040	2.020	1.0	98424	503	8.220	8.170	0.6
98161	501	6.220	6.040	3.0	98307	505	2.040	2.020	1.0	98424	504	8.220	8.170	0.6

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98424	505	8.220	8.170	0.6	98555	504	2.940	2.920	0.7	98677	503	20.500	20.400	0.5
98425	501	3.370	3.360	0.3	98555	505	2.940	2.920	0.7	98677	504	20.500	20.400	0.5
98425	503	3.370	3.360	0.3	98597	501	0.660	0.660	0.0	98677	505	20.500	20.400	0.5
98425	504	3.370	3.360	0.3	98597	503	0.660	0.660	0.0	98678	501	18.200	18.100	0.6
98425	505	3.370	3.360	0.3	98597	504	0.660	0.660	0.0	98678	503	18.200	18.100	0.6
98426	501	2.980	2.960	0.7	98597	505	0.660	0.660	0.0	98678	504	18.200	18.100	0.6
98426	503	2.980	2.960	0.7	98598	501	0.226	0.225	0.4	98678	505	18.200	18.100	0.6
98426	504	2.980	2.960	0.7	98598	503	0.226	0.225	0.4	98699	501	5.940	5.910	0.5
98426	505	2.980	2.960	0.7	98598	504	0.226	0.225	0.4	98699	503	5.940	5.910	0.5
98427	501	2.900	2.890	0.3	98598	505	0.226	0.225	0.4	98699	504	5.940	5.910	0.5
98427	503	2.900	2.890	0.3	98601	501	7.560	7.520	0.5	98699	505	5.940	5.910	0.5
98427	504	2.900	2.890	0.3	98601	503	7.560	7.520	0.5	98705	501	8.940	8.690	2.9
98427	505	2.900	2.890	0.3	98601	504	7.560	7.520	0.5	98705	503	8.940	8.690	2.9
98429	501	1.280	1.250	2.4	98601	505	7.560	7.520	0.5	98705	504	8.940	8.690	2.9
98429	503	1.280	1.250	2.4	98624	501	1.190	1.180	0.8	98705	505	8.940	8.690	2.9
98429	504	1.280	1.250	2.4	98624	503	1.190	1.180	0.8	98710	501	4.130	4.110	0.5
98429	505	1.280	1.250	2.4	98624	504	1.190	1.180	0.8	98710	503	4.130	4.110	0.5
98449	501	4.170	4.140	0.7	98624	505	1.190	1.180	0.8	98710	504	4.130	4.110	0.5
98449	503	4.170	4.140	0.7	98636	501	4.190	4.120	1.7	98710	505	4.130	4.110	0.5
98449	504	4.170	4.140	0.7	98636	503	4.190	4.120	1.7	98751	501	4.780	4.650	2.8
98449	505	4.170	4.140	0.7	98636	504	4.190	4.120	1.7	98751	503	4.780	4.650	2.8
98482	501	4.470	4.440	0.7	98636	505	4.190	4.120	1.7	98751	504	4.780	4.650	2.8
98482	503	4.470	4.440	0.7	98640	501	130.000	130.000	0.0	98751	505	4.780	4.650	2.8
98482	504	4.470	4.440	0.7	98640	503	130.000	130.000	0.0	98805	501	5.390	5.360	0.6
98482	505	4.470	4.440	0.7	98640	504	130.000	130.000	0.0	98805	503	5.390	5.360	0.6
98483	501	6.600	6.560	0.6	98640	505	130.000	130.000	0.0	98805	504	5.390	5.360	0.6
98483	503	6.600	6.560	0.6	98658	501	6.320	6.140	2.9	98805	505	5.390	5.360	0.6
98483	504	6.600	6.560	0.6	98658	503	6.320	6.140	2.9	98806	501	3.900	3.840	1.6
98483	505	6.600	6.560	0.6	98658	504	6.320	6.140	2.9	98806	503	3.900	3.840	1.6
98502	501	6.320	6.280	0.6	98658	505	6.320	6.140	2.9	98806	504	3.900	3.840	1.6
98502	503	6.320	6.280	0.6	98659	501	1.130	1.100	2.7	98806	505	3.900	3.840	1.6
98502	504	6.320	6.280	0.6	98659	503	1.130	1.100	2.7	98810	501	6.380	5.990	6.5
98502	505	6.320	6.280	0.6	98659	504	1.130	1.100	2.7	98810	503	6.380	5.990	6.5
98555	501	2.940	2.920	0.7	98659	505	1.130	1.100	2.7	98810	504	6.380	5.990	6.5
98555	503	2.940	2.920	0.7	98677	501	20.500	20.400	0.5	98810	505	6.380	5.990	6.5

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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
98813	501	6.160	5.790	6.4	99004	505	5.120	4.810	6.4	99310	504	4.110	4.090	0.5
98813	503	6.160	5.790	6.4	99080	501	1.410	1.410	0.0	99310	505	4.110	4.090	0.5
98813	504	6.160	5.790	6.4	99080	503	1.410	1.410	0.0	99315	501	12.100	12.000	0.8
98813	505	6.160	5.790	6.4	99080	504	1.410	1.410	0.0	99315	503	12.100	12.000	0.8
98820	501	10.300	10.200	1.0	99080	505	1.410	1.410	0.0	99315	504	12.100	12.000	0.8
98820	503	10.300	10.200	1.0	99111	501	2.050	2.040	0.5	99315	505	12.100	12.000	0.8
98820	504	10.300	10.200	1.0	99111	503	2.050	2.040	0.5	99321	501	11.700	11.700	0.0
98820	505	10.300	10.200	1.0	99111	504	2.050	2.040	0.5	99321	503	11.700	11.700	0.0
98884	501	2.680	2.660	0.8	99111	505	2.050	2.040	0.5	99321	504	11.700	11.700	0.0
98884	503	2.680	2.660	0.8	99163	501	4.900	4.870	0.6	99321	505	11.700	11.700	0.0
98884	504	2.680	2.660	0.8	99163	503	4.900	4.870	0.6	99471	501	0.770	0.750	2.7
98884	505	2.680	2.660	0.8	99163	504	4.900	4.870	0.6	99471	503	0.770	0.750	2.7
98914	501	0.770	0.750	2.7	99163	505	4.900	4.870	0.6	99471	504	0.770	0.750	2.7
98914	503	0.770	0.750	2.7	99165	501	1.070	1.070	0.0	99471	505	0.770	0.750	2.7
98914	504	0.770	0.750	2.7	99165	503	1.070	1.070	0.0	99505	501	6.780	6.670	1.6
98914	505	0.770	0.750	2.7	99165	504	1.070	1.070	0.0	99505	503	6.780	6.670	1.6
98949	501	1.080	1.050	2.9	99165	505	1.070	1.070	0.0	99505	504	6.780	6.670	1.6
98949	503	1.080	1.050	2.9	99220	501	1.700	1.650	3.0	99505	505	6.780	6.670	1.6
98949	504	1.080	1.050	2.9	99220	503	1.700	1.650	3.0	99506	501	8.340	8.200	1.7
98949	505	1.080	1.050	2.9	99220	504	1.700	1.650	3.0	99506	503	8.340	8.200	1.7
98967	501	4.200	4.180	0.5	99220	505	1.700	1.650	3.0	99506	504	8.340	8.200	1.7
98967	503	4.200	4.180	0.5	99222	501	3.190	3.100	2.9	99506	505	8.340	8.200	1.7
98967	504	4.200	4.180	0.5	99222	503	3.190	3.100	2.9	99507	501	7.270	7.150	1.7
98967	505	4.200	4.180	0.5	99222	504	3.190	3.100	2.9	99507	503	7.270	7.150	1.7
98993	501	8.010	7.880	1.6	99222	505	3.190	3.100	2.9	99507	504	7.270	7.150	1.7
98993	503	8.010	7.880	1.6	99223	501	0.300	0.300	0.0	99507	505	7.270	7.150	1.7
98993	504	8.010	7.880	1.6	99223	503	0.300	0.300	0.0	99570	501	3.900	3.840	1.6
98993	505	8.010	7.880	1.6	99223	504	0.300	0.300	0.0	99570	503	3.900	3.840	1.6
99003	501	2.000	1.990	0.5	99223	505	0.300	0.300	0.0	99570	504	3.900	3.840	1.6
99003	503	2.000	1.990	0.5	99303	501	16.400	16.300	0.6	99570	505	3.900	3.840	1.6
99003	504	2.000	1.990	0.5	99303	503	16.400	16.300	0.6	99571	501	0.950	0.930	2.2
99003	505	2.000	1.990	0.5	99303	504	16.400	16.300	0.6	99571	503	0.950	0.930	2.2
99004	501	5.120	4.810	6.4	99303	505	16.400	16.300	0.6	99571	504	0.950	0.930	2.2
99004	503	5.120	4.810	6.4	99310	501	4.110	4.090	0.5	99571	505	0.950	0.930	2.2
99004	504	5.120	4.810	6.4	99310	503	4.110	4.090	0.5	99572	501	1.850	1.820	1.6

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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
99572	503	1.850	1.820	1.6	99746	501	2.810	2.790	0.7	99938	505	3.770	3.750	0.5
99572	504	1.850	1.820	1.6	99746	503	2.810	2.790	0.7	99943	501	10.900	10.900	0.0
99572	505	1.850	1.820	1.6	99746	504	2.810	2.790	0.7	99943	503	10.900	10.900	0.0
99573	501	1.770	1.740	1.7	99746	505	2.810	2.790	0.7	99943	504	10.900	10.900	0.0
99573	503	1.770	1.740	1.7	99760	501	0.320	0.320	0.0	99943	505	10.900	10.900	0.0
99573	504	1.770	1.740	1.7	99760	503	0.320	0.320	0.0	99946	501	8.140	8.100	0.5
99573	505	1.770	1.740	1.7	99760	504	0.320	0.320	0.0	99946	503	8.140	8.100	0.5
99600	501	2.230	2.090	6.7	99760	505	0.320	0.320	0.0	99946	504	8.140	8.100	0.5
99600	503	2.230	2.090	6.7	99777	501	11.100	10.400	6.7	99946	505	8.140	8.100	0.5
99600	504	2.230	2.090	6.7	99777	503	11.100	10.400	6.7	99948	501	9.660	9.500	1.7
99600	505	2.230	2.090	6.7	99777	504	11.100	10.400	6.7	99948	503	9.660	9.500	1.7
99613	501	10.400	10.300	1.0	99777	505	11.100	10.400	6.7	99948	504	9.660	9.500	1.7
99613	503	10.400	10.300	1.0	99793	501	3.560	3.540	0.6	99948	505	9.660	9.500	1.7
99613	504	10.400	10.300	1.0	99793	503	3.560	3.540	0.6	99952	501	9.350	8.780	6.5
99613	505	10.400	10.300	1.0	99793	504	3.560	3.540	0.6	99952	503	9.350	8.780	6.5
99614	501	4.970	4.670	6.4	99793	505	3.560	3.540	0.6	99952	504	9.350	8.780	6.5
99614	503	4.970	4.670	6.4	99826	501	1.260	1.180	6.8	99952	505	9.350	8.780	6.5
99614	504	4.970	4.670	6.4	99826	503	1.260	1.180	6.8	99953	501	10.100	9.480	6.5
99614	505	4.970	4.670	6.4	99826	504	1.260	1.180	6.8	99953	503	10.100	9.480	6.5
99620	501	0.570	0.560	1.8	99826	505	1.260	1.180	6.8	99953	504	10.100	9.480	6.5
99620	503	0.570	0.560	1.8	99827	501	0.510	0.510	0.0	99953	505	10.100	9.480	6.5
99620	504	0.570	0.560	1.8	99827	503	0.510	0.510	0.0	99954	501	7.350	6.900	6.5
99620	505	0.570	0.560	1.8	99827	504	0.510	0.510	0.0	99954	503	7.350	6.900	6.5
99650	501	1.850	1.820	1.6	99827	505	0.510	0.510	0.0	99954	504	7.350	6.900	6.5
99650	503	1.850	1.820	1.6	99851	501	2.070	2.060	0.5	99954	505	7.350	6.900	6.5
99650	504	1.850	1.820	1.6	99851	503	2.070	2.060	0.5	99955	501	9.200	8.640	6.5
99650	505	1.850	1.820	1.6	99851	504	2.070	2.060	0.5	99955	503	9.200	8.640	6.5
99709	501	4.560	4.490	1.6	99851	505	2.070	2.060	0.5	99955	504	9.200	8.640	6.5
99709	503	4.560	4.490	1.6	99917	501	3.360	3.340	0.6	99955	505	9.200	8.640	6.5
99709	504	4.560	4.490	1.6	99917	503	3.360	3.340	0.6	99963	501	0.810	0.810	0.0
99709	505	4.560	4.490	1.6	99917	504	3.360	3.340	0.6	99963	503	0.810	0.810	0.0
99718	501	1.660	1.650	0.6	99917	505	3.360	3.340	0.6	99963	504	0.810	0.810	0.0
99718	503	1.660	1.650	0.6	99938	501	3.770	3.750	0.5	99963	505	0.810	0.810	0.0
99718	504	1.660	1.650	0.6	99938	503	3.770	3.750	0.5	99969	501	3.080	3.000	2.7
99718	505	1.660	1.650	0.6	99938	504	3.770	3.750	0.5	99969	503	3.080	3.000	2.7

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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
99969	504	3.080	3.000	2.7										
99969	505	3.080	3.000	2.7										
99975	501	8.160	7.670	6.4										
99975	503	8.160	7.670	6.4										
99975	504	8.160	7.670	6.4										
99975	505	8.160	7.670	6.4										
99988	501	2.720	2.650	2.6										
99988	503	2.720	2.650	2.6										
99988	504	2.720	2.650	2.6										
99988	505	2.720	2.650	2.6										

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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	0.195	0.184	6.0	11259	0.118	0.121	-2.5	13759	0.125	0.125	0.0
10026	0.026	0.025	4.0	11288	0.077	0.072	6.9	13930	0.201	0.211	-4.7
10040	0.300	0.280	7.1	12014	0.040	0.040	0.0	14068	0.014	0.015	-6.7
10042	0.390	0.330	18.2	12356	0.034	0.031	9.7	14101	0.049	0.043	14.0
10060	0.102	0.099	3.0	12361	0.077	0.082	-6.1	14279	0.062	0.057	8.8
10065	0.036	0.032	12.5	12373	0.024	0.025	-4.0	14401	0.072	0.067	7.5
10066	0.078	0.076	2.6	12374	0.067	0.063	6.3	14527	0.189	0.181	4.4
10070	0.154	0.141	9.2	12375	0.036	0.034	5.9	14855	0.154	0.162	-4.9
10071	0.147	0.130	13.1	12391	0.082	0.091	-9.9	14913	0.161	0.139	15.8
10073	0.650	0.540	20.4	12509	0.036	0.038	-5.3	15223	0.041	0.033	24.2 U
10075	0.226	0.211	7.1	12510	0.031	0.030	3.3	15224	0.059	0.058	1.7
10100	0.049	0.044	11.4	12651	0.530	0.490	8.2	15406	0.048	0.044	9.1
10101	0.181	0.166	9.0	12707	0.640	0.650	-1.5	15538	0.019	0.019	0.0
10107	0.340	0.270	25.9	12797	0.196	0.169	16.0	15600	0.112	0.107	4.7
10111	0.078	0.083	-6.0	12805	0.116	0.105	10.5	15608	0.011	0.011	0.0
10115	0.090	0.086	4.7	13049	0.057	0.054	5.6	15733	0.037	0.038	-2.6
10140	0.021	0.021	0.0	13111	0.093	0.097	-4.1	15839	0.028	0.026	7.7
10141	0.023	0.024	-4.2	13112	0.063	0.069	-8.7	15991	0.090	0.086	4.7
10145	0.009	0.009	0.0	13201	0.160	0.167	-4.2	15993	0.060	0.057	5.3
10146	0.014	0.014	0.0	13204	1.450	1.400	3.6	16005	0.034	0.034	0.0
10255	0.147	0.131	12.2	13205	0.460	0.430	7.0	16009	0.094	0.079	19.0
10256	0.152	0.147	3.4	13314	0.016	0.017	-5.9	16403	0.186	0.140	32.9
10257	0.169	0.167	1.2	13351	0.050	0.039	28.2	16527	0.350	0.360	-2.8
10309	0.020	0.020	0.0	13352	0.051	0.050	2.0	16604	0.146	0.147	-0.7
10352	0.054	0.054	0.0	13410	2.990	2.440	22.5	16676	0.016	0.016	0.0
11020	0.168	0.157	7.0	13412	1.140	1.010	12.9	16705	0.148	0.152	-2.6
11039	0.067	0.062	8.1	13506	0.076	0.074	2.7	16750	0.032	0.031	3.2
11126	0.022	0.020	10.0	13507	0.176	0.181	-2.8	16900	0.087	0.076	14.5
11127	0.010	0.009	11.1	13590	0.740	0.740	0.0	16901	0.119	0.109	9.2
11128	0.098	0.089	10.1	13621	0.320	0.360	-11.1	16902	0.078	0.078	0.0
11203	0.520	0.540	-3.7	13670	0.015	0.013	15.4	16905	0.087	0.076	14.5
11204	1.850	1.820	1.6	13673	0.016	0.013	23.1	16906	0.119	0.109	9.2
11234	0.071	0.070	1.4	13715	0.165	0.154	7.1	16910	0.070	0.065	7.7
11248	0.018	0.019	-5.3	13716	0.140	0.137	2.2	16911	0.055	0.050	10.0
11258	0.212	0.215	-1.4	13720	0.053	0.051	3.9	16915	0.058	0.055	5.5

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16916	0.052	0.049	6.1	51116	0.690	0.570	21.1	51666	0.101	0.103	-1.9
16920	0.145	0.129	12.4	51205	0.071	0.083	-14.5	51734	0.310	0.310	0.0
16921	0.058	0.060	-3.3	51206	0.390	0.450	-13.3	51741	0.260	0.250	4.0
16930	0.234	0.186	25.8	51220	2.280	2.580	-11.6	51752	0.165	0.159	3.8
16931	0.091	0.072	26.4	51221	1.780	1.940	-8.2	51767	0.008	0.009	-11.1
16940	0.058	0.060	-3.3	51222	3.670	3.120	17.6	51777	0.078	0.076	2.6
16941	0.107	0.106	0.9	51224	1.450	1.330	9.0	51808	0.730	0.730	0.0
18078	0.162	0.178	-9.0	51230	0.790	0.790	0.0	51809	0.153	0.158	-3.2
18109	0.034	0.033	3.0	51240	0.185	0.182	1.6	51833	0.060	0.072	-16.7
18110	0.045	0.040	12.5	51241	0.260	0.300	-13.3	51869	0.136	0.140	-2.9
18205	0.350	0.310	12.9	51252	0.100	0.101	-1.0	51877	0.212	0.220	-3.6
18206	0.142	0.118	20.3	51254	0.039	0.045	-13.3	51889	0.012	0.014	-14.3
18335	0.023	0.022	4.5	51300	0.160	0.173	-7.5	51896	0.018	0.020	-10.0
18435	0.057	0.048	18.8	51305	0.960	1.030	-6.8	51900	0.095	0.093	2.2
18436	0.133	0.139	-4.3	51315	0.106	0.106	0.0	51909	0.056	0.057	-1.8
18501	0.012	0.012	0.0	51330	0.530	0.430	23.3 U	51926	0.038	0.040	-5.0
18506	0.007	0.007	0.0	51333	0.340	0.310	9.7	51927	0.131	0.115	13.9
18507	0.008	0.008	0.0	51350	0.135	0.142	-4.9	51934	0.125	0.142	-12.0
18616	0.590	0.540	9.3	51351	0.042	0.045	-6.7	51941	0.041	0.039	5.1
18707	0.004	0.003	33.3 N	51352	0.108	0.114	-5.3	51956	0.221	0.246	-10.2
18708	0.022	0.016	37.5 U	51355	0.094	0.096	-2.1	51957	0.420	0.400	5.0
18834	0.145	0.142	2.1	51356	0.620	0.690	-10.1	51958	0.410	0.390	5.1
18911	0.023	0.022	4.5	51357	0.660	0.530	24.5 U	51960	0.350	0.360	-2.8
18912	0.038	0.035	8.6	51358	0.141	0.149	-5.4	51970	0.238	0.250	-4.8
18920	0.022	0.021	4.8	51359	0.780	0.840	-7.1	51982	0.083	0.085	-2.4
45771	0.164	0.176	-6.8	51370	4.570	5.000	-8.6	51986	0.103	0.107	-3.7
45819	0.078	0.072	8.3	51380	0.044	0.050	-12.0	51999	0.440	0.460	-4.3
45900	0.046	0.052	-11.5	51500	0.119	0.109	9.2	52002	0.129	0.118	9.3
45901	0.049	0.047	4.3	51550	0.390	0.360	8.3	52075	0.243	0.250	-2.8
49239	0.600	0.650	-7.7	51551	0.910	0.920	-1.1	52134	0.630	0.700	-10.0
49617	0.230	0.192	19.8	51552	0.159	0.159	0.0	52315	0.260	0.240	8.3
49618	0.074	0.060	23.3	51575	0.020	0.020	0.0	52433	1.020	1.200	-15.0
49619	0.134	0.120	11.7	51576	0.093	0.075	24.0 U	52469	0.104	0.109	-4.6
50010	0.490	0.580	-15.5	51600	0.191	0.198	-3.5	52505	0.216	0.203	6.4
51001	0.450	0.460	-2.2	51613	0.139	0.138	0.7	52547	0.078	0.088	-11.4

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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
52581	2.950	3.680	-19.8 L	56391	0.320	0.320	0.0	58397	0.740	0.830	-10.8
52744	0.081	0.094	-13.8	56427	0.125	0.125	0.0	58503	0.076	0.061	24.6 U
52911	0.450	0.520	-13.5	56488	0.034	0.034	0.0	58575	0.120	0.123	-2.4
52967	0.062	0.064	-3.1	56690	0.350	0.360	-2.8	58627	0.013	0.016	-18.8
53001	0.330	0.330	0.0	56699	0.057	0.051	11.8	58663	1.280	1.590	-19.5 L
53077	0.207	0.197	5.1	56758	0.148	0.155	-4.5	58737	0.630	0.740	-14.9
53121	0.440	0.460	-4.3	56759	0.080	0.093	-14.0	58802	0.480	0.450	6.7
53333	0.239	0.213	12.2	56760	0.098	0.106	-7.5	58837	0.162	0.165	-1.8
53374	0.310	0.380	-18.4	56912	0.090	0.084	7.1	58840	0.127	0.111	14.4
53375	0.223	0.250	-10.8	56916	0.205	0.187	9.6	58873	0.030	0.030	0.0
53376	0.194	0.187	3.7	57001	0.021	0.016	31.3	58904	0.128	0.131	-2.3
53377	0.195	0.211	-7.6	57002	0.106	0.110	-3.6	58922	0.168	0.187	-10.2
53565	0.108	0.124	-12.9	57090	0.660	0.630	4.8	59005	0.096	0.096	0.0
53631	0.022	0.022	0.0	57146	0.720	0.670	7.5	59188	0.055	0.056	-1.8
53632	0.034	0.035	-2.9	57257	0.035	0.036	-2.8	59189	0.300	0.300	0.0
53732	0.450	0.460	-2.2	57401	0.096	0.098	-2.0	59223	0.088	0.077	14.3
53733	0.270	0.260	3.8	57403	0.035	0.036	-2.8	59257	0.013	0.015	-13.3
53907	0.103	0.111	-7.2	57410	0.162	0.130	24.6 U	59378	0.150	0.152	-1.3
54077	0.400	0.370	8.1	57572	0.108	0.094	14.9	59481	0.099	0.088	12.5
55010	1.080	1.100	-1.8	57600	0.034	0.033	3.0	59537	0.210	0.168	25.0 U
55011	1.570	1.260	24.6 U	57611	0.062	0.064	-3.1	59601	2.370	2.310	2.6
55012	1.180	1.170	0.9	57651	0.041	0.043	-4.7	59647	0.170	0.176	-3.4
55013	1.140	0.990	15.2	57690	0.490	0.510	-3.9	59660	1.180	1.140	3.5
55214	0.088	0.089	-1.1	57716	0.082	0.087	-5.7	59701	0.290	0.244	18.9
55371	0.119	0.130	-8.5	57725	0.088	0.091	-3.3	59713	0.310	0.330	-6.1
55597	1.790	1.780	0.6	57726	0.021	0.019	10.5	59722	0.031	0.032	-3.1
55647	0.062	0.056	10.7	57810	0.107	0.109	-1.8	59723	0.037	0.038	-2.6
55715	0.224	0.234	-4.3	57871	0.118	0.116	1.7	59724	0.019	0.022	-13.6
55716	0.520	0.520	0.0	57913	0.290	0.310	-6.5	59725	0.116	0.104	11.5
55802	0.009	0.009	0.0	57998	0.058	0.059	-1.7	59726	0.024	0.024	0.0
55918	2.740	3.190	-14.1	57999	0.071	0.071	0.0	59738	0.064	0.066	-3.0
55919	3.650	3.640	0.3	58095	1.990	1.830	8.7	59750	0.222	0.240	-7.5
56040	0.033	0.040	-17.5	58096	1.230	1.040	18.3	59773	0.028	0.028	0.0
56202	0.089	0.100	-11.0	58301	0.088	0.082	7.3	59774	0.150	0.152	-1.3
56390	0.640	0.630	1.6	58302	0.055	0.055	0.0	59775	0.188	0.189	-0.5

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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	0.068	0.076	-10.5	91341	5.070	4.150	22.2	96409	10.500	10.400	1.0
59782	0.460	0.490	-6.1	91342	3.720	3.560	4.5	96410	9.750	8.640	12.8
59798	0.500	0.460	8.7	91343	1.760	1.470	19.7	96611	1.680	1.600	5.0
59886	0.108	0.112	-3.6	91436	2.860	2.510	13.9	97221	1.390	1.150	20.9
59889	0.165	0.153	7.8	91507	3.010	2.830	6.4	97222	2.110	2.220	-5.0
59904	0.061	0.066	-7.6	91551	0.680	0.560	21.4	97223	4.470	3.420	30.7
59905	0.132	0.130	1.5	91555	1.090	1.000	9.0	97447	5.130	3.980	28.9
59914	0.680	0.620	9.7	91560	3.910	3.830	2.1	97650	4.120	3.630	13.5
59915	0.750	0.780	-3.8	91577	3.470	2.790	24.4	97651	3.640	3.310	10.0
59917	0.205	0.165	24.2	91746	6.300	5.240	20.2	97652	4.270	3.770	13.3
59923	0.004	0.005	-20.0	92053	0.560	0.480	16.7	97653	2.900	2.470	17.4
59925	1.190	1.090	9.2	92054	0.235	0.241	-2.5	97654	3.210	2.900	10.7
59926	0.450	0.420	7.1	92055	0.226	0.232	-2.6	97655	4.430	3.800	16.6
59927	1.420	1.560	-9.0	92101	3.180	2.630	20.9	98002	1.070	1.000	7.0
59931	0.550	0.590	-6.8	92102	3.340	2.550	31.0	98152	0.550	0.400	37.5 U
59932	0.880	0.930	-5.4	92215	3.360	3.140	7.0	98157	0.440	0.380	15.8
59947	0.320	0.330	-3.0	92338	2.260	1.720	31.4	98163	0.212	0.224	-5.4
59955	0.143	0.147	-2.7	92446	1.530	1.480	3.4	98164	0.063	0.068	-7.4
59963	0.410	0.450	-8.9	92447	1.680	1.480	13.5	98303	7.300	7.490	-2.5
59964	0.069	0.061	13.1	92451	2.400	2.070	15.9	98304	4.030	3.690	9.2
59970	0.183	0.182	0.5	92478	1.910	1.820	4.9	98305	2.030	1.600	26.9
59975	0.227	0.243	-6.6	94007	5.400	4.840	11.6	98306	0.890	0.820	8.5
59984	0.053	0.055	-3.6	94276	4.580	4.180	9.6	98307	0.430	0.430	0.0
59988	0.059	0.060	-1.7	94381	10.700	9.760	9.6	98308	1.110	0.810	37.0 U
59989	0.044	0.045	-2.2	94404	4.200	4.170	0.7	98309	2.140	2.220	-3.6
91111	7.310	6.800	7.5	94569	3.730	3.060	21.9	98344	0.810	0.650	24.6
91125	1.850	2.000	-7.5	95124	0.830	0.640	29.7	98449	24.600	20.900	17.7
91127	1.350	1.370	-1.5	95310	1.030	1.270	-18.9	98482	6.870	6.060	13.4
91150	5.750	4.920	16.9	95410	2.830	2.690	5.2	98483	20.700	17.600	17.6
91155	36.000	28.900	24.6	95455	1.280	1.360	-5.9	98502	4.220	3.710	13.7
91235	2.740	2.400	14.2	95505	2.400	1.990	20.6	98636	3.920	3.900	0.5
91265	1.940	2.110	-8.1	95625	3.740	3.020	23.8	98659	0.370	0.390	-5.1
91266	1.070	0.810	32.1	95647	7.290	5.950	22.5	98677	9.340	8.510	9.8
91280	3.060	2.260	35.4	96053	4.120	3.560	15.7	98678	16.300	13.600	19.9
91340	8.960	8.460	5.9	96408	14.900	11.500	29.6	98805	1.390	1.160	19.8

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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	3.510	3.020	16.2								
98813	1.730	1.930	-10.4								
98820	3.450	3.180	8.5								
98884	1.680	1.290	30.2								
98914	0.570	0.600	-5.0								
98949	0.290	0.310	-6.5								
98967	10.600	7.740	37.0 U								
98993	5.000	5.560	-10.1								
99003	1.880	1.680	11.9								
99004	1.770	1.650	7.3								
99080	7.700	7.940	-3.0								
99163	0.420	0.450	-6.7								
99315	1.940	1.420	36.6								
99321	2.460	2.350	4.7								
99613	2.250	2.070	8.7								
99650	1.030	0.880	17.0								
99746	3.410	2.950	15.6								
99803	9.660	8.040	20.1								
99826	0.570	0.460	23.9								
99827	0.570	0.570	0.0								
99946	2.730	2.750	-0.7								
99948	24.600	23.400	5.1								
99952	22.600	21.100	7.1								
99953	12.200	10.100	20.8								
99954	11.500	11.400	0.9								
99955	7.700	8.560	-10.0								
99969	2.470	2.140	15.4								

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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	<p>The objective of this procedure is to determine the indicated loss cost level change. This procedure answers the question: What percentage changes must be made on average to the current ISO loss costs in order for them to be adequate to cover indemnity losses and all loss adjustment expenses incurred in the prospective period in which the revised loss costs will be used?</p>
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. The latest three accident years are weighted 20%-30%-50%, with the highest weight going to the most recent accident year.</p> <p>For Premises/Operations, in order to minimize the impact of random variation in the observed losses, the average experience ratio is then credibility-weighted with the expected experience ratio, which reflects trend and the relative adequacy of current loss costs. This credibility-weighted experience ratio is the indicated statewide advisory loss cost level change in decimal form.</p> <p>For Products/Completed Operations, the average experience ratio is the indicated multistate advisory loss cost level change, in decimal form. Products/Completed Operations data is assumed to be fully credible.</p>
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>
AGGREGATE LOSS COSTS	<p>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.</p>

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

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.

EXPERIENCE
RATIO

The experience ratio is the ratio of the incurred losses and loss adjustment expenses to the aggregate loss costs at current ISO loss cost level. It measures the adequacy of the current ISO loss costs for the prospective period.

EXPECTED
EXPERIENCE
RATIO

The expected experience ratio is our best prediction of the experience ratio if the most recent data were not available. For this review we have assumed that the current loss costs will be inadequate for the prospective period to the extent of the net trend. The net trend is calculated as the annual net trend factor projected for the number of years between the last review date and the assumed effective date of this document. The details for the calculation can be found in the footnotes at the bottom of the exhibits in Section C.

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

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.

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.

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 and 2019 are weighted 20%, 30% and 50% respectively. For Products/Completed Operations, multistate data for accident years ending December 31, 2016, 2017 and 2018 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

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

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:

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

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

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

W is the credibility-weighted relative change.

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

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

MULTILINE CONSIDERATIONS

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

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

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

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 ALCCCL 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, 2019. Products/Completed Operations data is evaluated as of March 31, 2019.

For example, the accident year ending December 31, 2018 includes all exposures earned during the period from January 1, 2018 through December 31, 2018.

The immature experience reported as of 15 and 27 months for accident years ending 6/30/2019 and 6/30/2018 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, 2019 for Premises/ Operations and March 31, 2019 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.

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, 2019. Products/Completed Operations data is evaluated as of March 31, 2019.

For example, the accident year ending December 31, 2018 includes all losses and allocated loss adjustment expenses paid on accidents occurring from January 1, 2018 through December 31, 2018 and all losses and loss adjustment expenses outstanding on those policies as of March 31, 2019, 15 months after the inception of the accident year.

The immature experience reported as of 15, 27 and 39 months for accident years ending 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, 2019 evaluated as of September 30, 2019. 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
2000	A	G	L	P	S	U	Z*
2001	B	H	M	Q	T	Y*	
2002	C	I	N	R	X*	Y*	
2003	D	J	O	W*	X*	Y*	
2004	E	K	V*	W*	X*	Y*	
2005	F						
Best 3 out of 5#	BTOF1	BTOF2	BTOF3	BTOF4	BTOF5	BTOF6	

* Calculated using the Modified Bondy Procedure.

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

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

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

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

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

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

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

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

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

UNALLOCATED LOSS ADJUSTMENT FACTOR METHODOLOGY

BACKGROUND	Allocated loss adjustment expense is reported on a unit transaction basis with the loss records and is thus included with indemnity loss data. Since the prospective loss costs include all loss adjustment expenses, we must load for unallocated loss adjustment expense.
IMPORTANCE OF APPLICATION	The unallocated loss adjustment expense factor is necessary to account for loss adjustment expenses which cannot be allocated to a particular claim.
METHODOLOGY FOR LIABILITY COVERAGES	<p>Calculation of the unallocated loss adjustment expense factor is based on multistate data for ISO member and subscriber companies (see Multistate review of ULAE Experience in 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 1.085.</p>

EXPLANATION OF TREND CALCULATION

EXPOSURE TREND

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

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

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

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 6/30/2006 - 6/30/2019. For Products/Completed Operations, these pages display the frequency data for CGL only for accident years ending 12/31/2005 - 12/31/2018. 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:

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

The rule for Owners, Landlords and Tenants is:

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

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.

SECTION C
CALCULATION OF INDICATIONS
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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	\$15,802,918	\$16,202,637	0.20	1.025	582
06/30/2018	16,479,917	15,630,872	0.30	0.948	542
06/30/2019	16,028,415	16,097,976	0.50	1.004	489

(7)	WEIGHTED EXPERIENCE RATIO	0.991
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C)	1.034
(9)	CREDIBILITY BASED ON LATEST THREE YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS)	0.50
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO { (7) X (9) } + { (8) X { 1.0 - (9) } }	1.013
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (10) - 1 } X 100%	+ 1.3 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)	+ 1.8 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE	+ 1.8 %

(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 06/01/2021. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.034). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.034) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (06/01/2021) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (06/01/2022).

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	\$18,572,944	\$19,431,548	0.20	1.046	1,089
06/30/2018	17,688,823	18,415,244	0.30	1.041	1,088
06/30/2019	17,057,700	19,918,081	0.50	1.168	1,113

(7)	WEIGHTED EXPERIENCE RATIO	1.106
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C)	1.033
(9)	CREDIBILITY BASED ON LATEST THREE YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS)	0.74
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO { (7) X (9) } + { (8) X { 1.0 - (9) } }	1.087
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (10) - 1 } X 100%	+ 8.7 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)	+ 9.6 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE	+ 9.6 %
(14)	STATEWIDE ADJUSTED MONOLINE CHANGE@	+ 8.7 %

(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 06/01/2021. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.033). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.033) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (06/01/2021) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (06/01/2022).

@ The Adjusted Owners, Landlords and Tenants loss cost level change reflects the impact of adjusting the loss costs for specific classes due to an expected occurrence frequency decrease stemming from COVID-19 related impacts.

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
12/31/2016	\$101,545,304	\$116,523,158	0.20	1.147	1,959
12/31/2017	105,720,327	115,874,882	0.30	1.096	1,826
12/31/2018	107,600,597	104,719,629	0.50	0.973	1,695
(7)	WEIGHTED EXPERIENCE RATIO				1.045
(8)	INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (7)-1.00}X 100%				+ 4.5 %
(9)	INDICATED MULTISTATE MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)				- 0.1 %
(10)	INDICATED STATEWIDE MONOLINE CHANGE (SEE FOOTNOTE C)				- 1.5 %
(11)	SELECTED STATEWIDE MONOLINE CHANGE				- 1.5 %
(A)	THESE ARE CALCULATED BY SUMMING OVER THE CLASSES THE PRODUCTS OF MULTISTATE REPORTED EXPOSURES, EXPOSURE TREND AND DEVELOPMENT, AND MULTISTATE \$100,000 BASIC LIMIT LOSS COSTS AT CURRENT ISO LEVEL. FOR DETAILS, SEE SECTION 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 07/01/2020.				
(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
12/31/2016	\$285,063,359	\$337,794,306	0.20	1.185	6,228
12/31/2017	297,507,215	323,082,763	0.30	1.086	5,614
12/31/2018	305,260,757	332,169,074	0.50	1.088	5,528

(7)	WEIGHTED EXPERIENCE RATIO.....	1.107
(8)	INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (7) - 1.00 } x 100%.....	+ 10.7 %
(9)	INDICATED MULTISTATE MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS).....	+ 9.0 %
(10)	INDICATED STATEWIDE MONOLINE CHANGE (C) (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS).....	+ 12.8 %
(11)	SELECTED STATEWIDE MONOLINE CHANGE.....	+ 12.8 %

(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 07/01/2020.

(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 1.013 OR + 1.3%	
TOP						
10	1.042	0.233	1.010	1.005		
33	2.203	0.038	1.030	1.026		
34	0.861	0.084	0.988	0.983		
35	0.993	0.053	1.000	0.995		
36	0.739	0.124	0.963	0.959		
37	1.054	0.089	1.005	1.000		
38	1.050	0.230	1.011	1.006		
					(5) INDICATED MONOLINE CHANGE	
CLASS GROUP						
30	1.091	0.097	1.009	1.007	+	2.5%
31	1.354	0.177	1.055	1.054	+	7.3%
32	0.986	0.226	0.997	0.996	+	1.3%
33	1.170	0.127	1.020	1.019	+	3.7%
34	1.019	0.123	1.002	1.001	+	1.9%
35	0.638	0.033	0.985	0.984	+	0.2%
36	0.476	0.071	0.949	0.947	-	3.5%
37	0.529	0.053	0.967	0.966	-	1.7%
38	0.805	0.102	0.978	0.977	-	0.5%
OVERALL MONOLINE INDICATION					+	1.8%

* 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. 06/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	30 SERVICE	\$455,766	\$1,941,382	1.247	1.304	53	1.012
	31 LIGHT CONTRACTING	695,699	2,976,306	1.393	1.458	195	1.059
	32 MEDIUM CONTRCTING	2,700,551	14,067,899	0.939	0.982	509	1.000
	33 HEAVY CONTRACTING	779,245	3,407,037	1.037	1.085	77	1.024
	34 DEALER OR DISTRIB	379,406	1,562,112	1.185	1.240	48	1.006
	35 LGT. MANUFACTURER	106,489	669,160	0.076	0.079	4	0.989
	36 MED. MANUFACTURER	535,289	2,015,104	0.608	0.636	27	0.952
	37 HVY. MANUFACTURER	232,001	1,009,789	0.546	0.571	14	0.970
	38 MISC. OPERATION	363,592	1,651,197	0.895	0.936	56	0.982
	TOTAL *	\$6,248,038	\$29,299,986	0.979		983	
33 MULT OFFICE	31 LIGHT CONTRACTING	\$6,508	\$70,698	0.595	0.623	2	1.081
	32 MEDIUM CONTRCTING	2,350	12,421	0.000	0.000	0	1.021
	33 HEAVY CONTRACTING	54,736	412,436	3.571	3.735	13	1.045
	38 MISC. OPERATION	81,113	390,871	1.191	1.246	12	1.002
	TOTAL *	\$144,707	\$886,426	2.045		27	
34 MULT MERCANTILE	30 SERVICE	\$43,406	\$198,919	1.543	1.614	1	0.990
	32 MEDIUM CONTRCTING	112,529	517,105	1.356	1.418	12	0.978
	34 DEALER OR DISTRIB	474,896	2,398,163	0.644	0.674	98	0.984
	36 MED. MANUFACTURER	27	392	0.000	0.000	0	0.931
	38 MISC. OPERATION	45,633	170,742	0.738	0.772	19	0.960
	TOTAL *	\$676,491	\$3,285,321	0.826		130	
35 MULT INSTITUT.	31 LIGHT CONTRACTING	\$9,044	\$41,575	0.000	0.000	0	1.048
	32 MEDIUM CONTRCTING	232,468	1,281,287	0.985	1.031	52	0.990
	TOTAL *	\$241,512	\$1,322,862	0.948		52	
36 MULT SERVICES	30 SERVICE	\$38,977	\$226,452	0.419	0.439	16	0.966
	31 LIGHT CONTRACTING	131,690	863,597	1.176	1.230	35	1.010
	32 MEDIUM CONTRCTING	117,454	611,460	0.352	0.368	10	0.954
	33 HEAVY CONTRACTING	28,450	116,106	0.188	0.196	3	0.977
	34 DEALER OR DISTRIB	534,761	3,094,277	0.732	0.766	125	0.960
	36 MED. MANUFACTURER	1,881	9,875	0.000	0.000	0	0.908
	38 MISC. OPERATION	511,400	2,464,175	0.643	0.673	90	0.937
	TOTAL *	\$1,364,613	\$7,385,942	0.688		279	

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. 06/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
37 MULT INDUST/PROC.	31 LIGHT CONTRACTING	\$107	\$310	0.000	0.000	0	1.054
	32 MEDIUM CONTRCTING	93,084	517,492	1.226	1.283	16	0.996
	33 HEAVY CONTRACTING	39,420	216,437	0.899	0.940	7	1.019
	34 DEALER OR DISTRIB	7,753	42,852	3.838	4.015	2	1.001
	35 LGT. MANUFACTURER	166,132	647,371	1.002	1.048	16	0.984
	36 MED. MANUFACTURER	1,040,468	5,321,865	0.411	0.430	64	0.947
	37 HVY. MANUFACTURER	561,014	2,702,515	0.526	0.550	38	0.966
	38 MISC. OPERATION	20,742	125,126	0.023	0.024	1	0.977
	TOTAL *	\$1,928,720	\$9,573,968	0.554		144	
38 MULT CONTRACTORS	30 SERVICE	\$778,088	\$4,087,474	0.984	1.029	101	1.014
	31 LIGHT CONTRACTING	1,225,404	5,893,577	1.332	1.394	335	1.061
	32 MEDIUM CONTRCTING	2,132,202	10,494,633	1.021	1.068	322	1.002
	33 HEAVY CONTRACTING	1,235,461	5,921,666	1.230	1.287	192	1.026
	38 MISC. OPERATION	94,969	470,350	0.625	0.654	10	0.983
	TOTAL *	\$5,466,124	\$26,867,700	1.126		960	
TOTAL ALL TOP	30 SERVICE	\$1,316,237	\$6,454,227	1.077		171	
	31 LIGHT CONTRACTING	2,068,452	9,846,063	1.335		567	
	32 MEDIUM CONTRCTING	5,390,638	27,502,297	0.974		921	
	33 HEAVY CONTRACTING	2,137,312	10,073,682	1.200		292	
	34 DEALER OR DISTRIB	1,396,816	7,097,404	0.843		273	
	35 LGT. MANUFACTURER	272,621	1,316,531	0.640		20	
	36 MED. MANUFACTURER	1,577,665	7,347,236	0.477		91	
	37 HVY. MANUFACTURER	793,015	3,712,304	0.532		52	
	38 MISC. OPERATION	1,117,449	5,272,461	0.756		188	
	TOTAL *	\$16,070,205	\$78,622,205	0.956		2,575	

* 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 1.087 OR + 8.7%	
TOP						
10	1.032	0.297	1.009	1.009		
31	1.716	0.180	1.102	1.102		
32	0.868	0.099	0.986	0.986		
33	0.772	0.178	0.955	0.955		
34	1.008	0.283	1.002	1.002		
35	0.981	0.185	0.996	0.996		
36	1.034	0.151	1.005	1.005		
					(5) INDICATED MONOLINE CHANGE	
CLASS GROUP						
01	0.991	0.165	0.999	0.998	+	9.6%
02	0.949	0.230	0.988	0.987	+	7.8%
03	0.784	0.116	0.972	0.971	+	6.2%
04	0.537	0.029	0.982	0.981	+	8.4%
05	1.100	0.047	1.004	1.004	+	9.9%
06	0.447	0.068	0.947	0.946	+	3.4%
07	1.150	0.138	1.020	1.019	+	11.6%
08	0.291	0.035	0.958	0.957	+	4.7%
09	1.173	0.226	1.037	1.036	+	13.4%
10	1.245	0.189	1.042	1.041	+	14.1%
11	0.860	0.117	0.982	0.982	+	7.7%
12	0.999	0.261	1.000	0.999	+	9.5%
13	1.139	0.088	1.012	1.011	+	10.8%
16	0.697	0.022	0.992	0.991	+	8.6%
					OVERALL MONOLINE INDICATION + 9.6%	

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

TENNESSEE
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	(1)	(2)	(3)	(4)	(5)
	BAILEY				
TERRITORY	FORMULA	CREDIBILITY	Z-WTD	BALANCED	INDICATED
	RELATIV.	Z	RELATIV.	RELATIV.	MONOLINE CHG.
501	1.154	0.212	1.031	1.032	+ 13.5%
503	0.940	0.298	0.982	0.983	+ 7.9%
504	0.994	0.114	0.999	1.001	+ 9.6%
505	0.994	0.391	0.998	0.999	+ 9.6%

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

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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY 501

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 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)	\$6,399	\$117,258	2.032	1.826	17	1.039
	02 RESTAURANTS	31,504	270,819	2.462	2.213	48	1.028
	03 STORES	8,919	50,863	3.799	3.414	6	1.012
	04 VENDING & RENTAL	82,408	129,081	0.000	0.000	0	1.022
	05 FOOD & BEV. DIST.	13,877	43,413	1.462	1.314	1	1.045
	06 NON-FOOD&BEV.DIST	7,748	65,266	0.301	0.271	3	0.985
	07 CLUBS, AMSMT&SPRTS	38,451	131,603	4.908	4.411	20	1.061
	08 HEALTH CARE FACIL	4,112	23,121	0.140	0.126	1	0.997
	09 HOTELS AND MOTELS	109,240	676,378	1.296	1.165	88	1.079
	10 SCHLS & CHURCHES	90,068	457,933	0.790	0.710	13	1.085
	11 APARTMENTS	187,717	1,200,522	0.524	0.470	21	1.022
	12 BUILDINGS&OFFICES	334,762	2,014,027	0.981	0.881	56	1.040
	13 MISC. PREMISES	53,049	214,547	1.304	1.172	30	1.053
	TOTAL *	\$968,254	\$5,394,831	1.079		304	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$136,686	\$672,045	4.190	3.765	72	1.178
	TOTAL *	\$136,686	\$672,045	4.190		72	
32 MULT APARTMENT	11 APARTMENTS	\$62,763	\$398,050	1.393	1.252	36	0.999
	12 BUILDINGS&OFFICES	12,203	36,112	0.000	0.000	0	1.016
	TOTAL *	\$74,966	\$434,162	1.166		36	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$403,891	\$2,153,221	1.087	0.977	74	0.984
	13 MISC. PREMISES	1,996	6,023	0.393	0.353	1	0.996
	TOTAL *	\$405,887	\$2,159,244	1.084		75	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$126,359	\$541,043	1.435	1.290	79	1.032
	02 RESTAURANTS	185,927	791,230	1.531	1.376	63	1.021
	03 STORES	76,864	302,383	1.473	1.323	23	1.005
	04 VENDING & RENTAL	1,839	4,941	0.000	0.000	0	1.015
	05 FOOD & BEV. DIST.	10,533	59,195	5.346	4.805	21	1.038
	06 NON-FOOD&BEV.DIST	40,573	216,244	0.091	0.081	3	0.978
	12 BUILDINGS&OFFICES	139,200	797,110	0.539	0.485	25	1.033
	TOTAL *	\$581,295	\$2,712,146	1.229		214	

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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	501		(1) FISCAL A.Y.E. 06/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP							
35 MULT INSTITUT.	07 CLUBS, AMSMT&SPRTS		\$9,931	\$43,181	0.000	0.000	0	1.047
	08 HEALTH CARE FACIL		7,670	54,606	0.401	0.360	5	0.984
	10 SCHLS & CHURCHES		173,323	855,202	0.943	0.847	48	1.071
	12 BUILDINGS&OFFICES		1,051	5,403	2.167	1.948	2	1.027
	TOTAL *		\$191,975	\$958,392	0.879		55	
36 MULT SERVICES	03 STORES		\$3,254	\$17,961	0.000	0.000	0	1.007
	04 VENDING & RENTAL		5,054	22,257	0.000	0.000	0	1.018
	07 CLUBS, AMSMT&SPRTS		53,463	265,222	0.517	0.465	4	1.057
	08 HEALTH CARE FACIL		3,926	17,634	0.000	0.000	0	0.993
	09 HOTELS AND MOTELS		0	58,090	0.000	0.000	0	1.074
	10 SCHLS & CHURCHES		1,590	4,847	3.864	3.473	5	1.080
	12 BUILDINGS&OFFICES		49,732	314,585	2.955	2.656	36	1.036
	13 MISC. PREMISES		32,052	160,444	1.899	1.707	13	1.048
	TOTAL *		\$149,071	\$861,040	1.621		58	
TOTAL ALL	TOP	01 FOOD&BEV. (RETAIL)	\$132,758	\$658,301	1.464		96	
		02 RESTAURANTS	217,431	1,062,049	1.666		111	
		03 STORES	89,037	371,207	1.652		29	
		04 VENDING & RENTAL	89,301	156,279	0.000		0	
		05 FOOD & BEV. DIST.	24,410	102,608	3.138		22	
		06 NON-FOOD&BEV.DIST	48,321	281,510	0.124		6	
		07 CLUBS, AMSMT&SPRTS	101,845	440,006	2.125		24	
		08 HEALTH CARE FACIL	15,708	95,361	0.232		6	
		09 HOTELS AND MOTELS	245,926	1,406,513	2.904		160	
		10 SCHLS & CHURCHES	264,981	1,317,982	0.908		66	
		11 APARTMENTS	250,480	1,598,572	0.741		57	
		12 BUILDINGS&OFFICES	940,839	5,320,458	1.054		193	
		13 MISC. PREMISES	87,097	381,014	1.502		44	
		TOTAL *	\$2,508,134	\$13,191,860	1.304		814	

* 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. 06/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 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)	\$53,699	\$333,059	1.165	1.047	31	0.990
	02 RESTAURANTS	273,671	1,478,656	0.908	0.816	89	0.979
	03 STORES	103,980	388,965	0.505	0.454	3	0.964
	04 VENDING & RENTAL	3,725	26,342	0.000	0.000	0	0.973
	05 FOOD & BEV. DIST.	13,087	68,694	0.000	0.000	0	0.996
	06 NON-FOOD&BEV.DIST	23,778	123,678	0.195	0.175	2	0.938
	07 CLUBS, AMSMT&SPRTS	53,968	299,920	4.214	3.787	40	1.011
	08 HEALTH CARE FACIL	14,324	80,169	0.197	0.177	2	0.949
	09 HOTELS AND MOTELS	310,077	2,101,455	0.820	0.737	139	1.028
	10 SCHLS & CHURCHES	62,753	430,233	3.119	2.803	22	1.033
	11 APARTMENTS	205,185	1,105,378	1.523	1.369	41	0.974
	12 BUILDINGS&OFFICES	412,307	2,259,297	1.268	1.140	120	0.991
	13 MISC. PREMISES	76,592	931,545	0.719	0.646	15	1.003
	TOTAL *	\$1,607,146	\$9,627,391	1.207		504	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$288,743	\$1,196,002	1.518	1.364	120	1.122
	TOTAL *	\$288,743	\$1,196,002	1.518		120	
32 MULT APARTMENT	11 APARTMENTS	\$250,753	\$1,054,416	0.795	0.714	72	0.951
	12 BUILDINGS&OFFICES	69,470	239,500	0.374	0.336	6	0.968
	TOTAL *	\$320,223	\$1,293,916	0.703		78	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$1,035,614	\$5,238,208	0.692	0.621	175	0.938
	13 MISC. PREMISES	8,300	32,694	0.000	0.000	0	0.949
	TOTAL *	\$1,043,914	\$5,270,902	0.686		175	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$68,026	\$745,903	0.490	0.441	16	0.983
	02 RESTAURANTS	721,573	3,401,497	1.216	1.093	249	0.972
	03 STORES	222,143	990,363	1.054	0.948	84	0.957
	04 VENDING & RENTAL	1,780	6,967	0.000	0.000	0	0.967
	05 FOOD & BEV. DIST.	46,900	246,265	0.508	0.457	4	0.989
	06 NON-FOOD&BEV.DIST	129,231	763,787	0.655	0.588	45	0.932
	12 BUILDINGS&OFFICES	182,917	973,824	1.520	1.366	61	0.984
	TOTAL *	\$1,372,570	\$7,128,606	1.116		459	

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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY 503

		(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E.	FISCAL A.Y.E.				
		06/30/2019 AGGREGATE	2015 - 2019	FIVE YEAR			
TYPE OF POLICY	CLASS GROUP	LOSS COSTS AT	AGG LOSS COST	EXPERIENCE	RELATIV.	NUMBER OF	BAL CELL
		CURRENT LEVEL	CURRENT LEVEL	RATIO		OCCURRENCES	RELATIV.
35 MULT INSTITUT.	07 CLUBS, AMSMT&SPRTS	\$63	\$257	0.000	0.000	0	0.998
	08 HEALTH CARE FACIL	30,450	214,597	0.185	0.167	3	0.937
	10 SCHLS & CHURCHES	453,549	2,371,626	1.052	0.945	118	1.020
	12 BUILDINGS&OFFICES	9,399	44,794	0.166	0.150	3	0.978
	13 MISC. PREMISES	26	129	0.000	0.000	0	0.990
	16 GOVT SUBDIVISIONS	2	2	0.000	0.000	0	0.971
	TOTAL *	\$493,489	\$2,631,405	0.981		124	
36 MULT SERVICES	03 STORES	\$12,601	\$63,460	1.501	1.349	4	0.960
	04 VENDING & RENTAL	56,676	278,413	0.957	0.860	5	0.969
	07 CLUBS, AMSMT&SPRTS	210,595	949,097	0.784	0.704	82	1.006
	08 HEALTH CARE FACIL	1,482	13,120	0.000	0.000	0	0.945
	09 HOTELS AND MOTELS	1,980	12,589	0.000	0.000	0	1.023
	10 SCHLS & CHURCHES	1,856	6,652	0.000	0.000	0	1.029
	12 BUILDINGS&OFFICES	84,203	516,163	1.817	1.633	23	0.987
	13 MISC. PREMISES	89,396	406,674	1.258	1.131	29	0.998
	TOTAL *	\$458,789	\$2,246,168	1.098		143	
TOTAL ALL TOP	01 FOOD&BEV. (RETAIL)	\$121,725	\$1,078,962	0.788		47	
	02 RESTAURANTS	995,244	4,880,153	1.132		338	
	03 STORES	338,724	1,442,788	0.902		91	
	04 VENDING & RENTAL	62,181	311,722	0.873		5	
	05 FOOD & BEV. DIST.	59,987	314,959	0.397		4	
	06 NON-FOOD&BEV.DIST	153,009	887,465	0.583		47	
	07 CLUBS, AMSMT&SPRTS	264,626	1,249,274	1.483		122	
	08 HEALTH CARE FACIL	46,256	307,886	0.183		5	
	09 HOTELS AND MOTELS	600,800	3,310,046	1.153		259	
	10 SCHLS & CHURCHES	518,158	2,808,511	1.298		140	
	11 APARTMENTS	455,938	2,159,794	1.122		113	
	12 BUILDINGS&OFFICES	1,793,910	9,271,786	0.946		388	
	13 MISC. PREMISES	174,314	1,371,042	0.961		44	
	16 GOVT SUBDIVISIONS	2	2	0.000		0	
	TOTAL *	\$5,584,874	\$29,394,390	1.045		1,603	

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

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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY 504

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 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)	\$50,777	\$224,639	2.277	2.046	24	1.007
	02 RESTAURANTS	16,244	86,926	0.190	0.171	4	0.997
	03 STORES	1,761	7,214	0.000	0.000	0	0.981
	04 VENDING & RENTAL	258	3,752	0.000	0.000	0	0.991
	05 FOOD & BEV. DIST.	1	5,815	0.000	0.000	0	1.013
	06 NON-FOOD&BEV.DIST	7,264	17,268	0.901	0.809	2	0.955
	07 CLUBS, AMSMT&SPRTS	9,065	55,484	0.127	0.114	2	1.029
	08 HEALTH CARE FACIL	34	509	0.000	0.000	0	0.966
	09 HOTELS AND MOTELS	3,198	27,266	0.886	0.796	7	1.046
	10 SCHLS & CHURCHES	4,849	29,613	1.611	1.448	4	1.051
	11 APARTMENTS	11,152	63,427	0.776	0.698	4	0.991
	12 BUILDINGS&OFFICES	32,424	150,603	1.680	1.509	10	1.009
	13 MISC. PREMISES	917	2,837	0.000	0.000	0	1.020
	TOTAL *	\$137,944	\$675,353	1.451		57	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$17,767	\$74,205	0.116	0.105	3	1.142
	TOTAL *	\$17,767	\$74,205	0.116		3	
32 MULT APARTMENT	11 APARTMENTS	\$20,725	\$87,877	0.609	0.547	3	0.968
	12 BUILDINGS&OFFICES	1,542	8,597	0.165	0.148	1	0.985
	TOTAL *	\$22,267	\$96,474	0.578		4	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$135,739	\$687,134	0.904	0.813	58	0.954
	13 MISC. PREMISES	1,290	5,526	0.000	0.000	0	0.966
	TOTAL *	\$137,029	\$692,660	0.896		58	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$36,264	\$78,419	1.998	1.795	4	1.000
	02 RESTAURANTS	94,132	456,853	0.466	0.419	35	0.990
	03 STORES	47,652	251,162	0.249	0.224	4	0.974
	04 VENDING & RENTAL	3,387	5,038	0.000	0.000	0	0.984
	05 FOOD & BEV. DIST.	5,581	22,440	0.432	0.388	2	1.006
	06 NON-FOOD&BEV.DIST	6,952	32,160	0.099	0.089	0	0.948
	12 BUILDINGS&OFFICES	32,586	147,636	3.292	2.959	12	1.001
	TOTAL *	\$226,554	\$993,708	1.053		57	

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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY 504

		(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E.	FISCAL A.Y.E.				
		06/30/2019 AGGREGATE	2015 - 2019	FIVE YEAR			
TYPE OF POLICY	CLASS GROUP	LOSS COSTS AT	AGG LOSS COST	EXPERIENCE		NUMBER OF	BAL CELL
		CURRENT LEVEL	CURRENT LEVEL	RATIO	RELATIV.	OCCURRENCES	RELATIV.
35 MULT INSTITUT.	07 CLUBS, AMSMT&SPRTS	\$119	\$12,355	3.113	2.798	1	1.016
	08 HEALTH CARE FACIL	8,110	37,152	0.000	0.000	0	0.954
	10 SCHLS & CHURCHES	47,813	304,983	0.600	0.540	31	1.038
	12 BUILDINGS&OFFICES	571	2,896	1.272	1.144	2	0.996
	TOTAL *	\$56,613	\$357,386	0.526		34	
36 MULT SERVICES	03 STORES	\$4,046	\$28,133	0.206	0.185	2	0.977
	04 VENDING & RENTAL	6,603	24,591	10.195	9.162	3	0.987
	07 CLUBS, AMSMT&SPRTS	31,151	174,075	0.204	0.184	10	1.024
	08 HEALTH CARE FACIL	120	228	0.000	0.000	0	0.962
	09 HOTELS AND MOTELS	1,265	6,994	0.000	0.000	0	1.042
	10 SCHLS & CHURCHES	112	1,109	0.000	0.000	0	1.047
	12 BUILDINGS&OFFICES	13,050	60,368	1.494	1.343	9	1.004
	13 MISC. PREMISES	7,027	38,153	0.000	0.000	0	1.016
	TOTAL *	\$63,374	\$333,651	1.484		24	
TOTAL ALL TOP	01 FOOD&BEV. (RETAIL)	\$87,041	\$303,058	2.160		28	
	02 RESTAURANTS	110,376	543,779	0.426		39	
	03 STORES	53,459	286,509	0.237		6	
	04 VENDING & RENTAL	10,248	33,381	6.569		3	
	05 FOOD & BEV. DIST.	5,582	28,255	0.432		2	
	06 NON-FOOD&BEV.DIST	14,216	49,428	0.508		2	
	07 CLUBS, AMSMT&SPRTS	40,335	241,914	0.196		13	
	08 HEALTH CARE FACIL	8,264	37,889	0.000		0	
	09 HOTELS AND MOTELS	22,230	108,465	0.220		10	
	10 SCHLS & CHURCHES	52,774	335,705	0.692		35	
	11 APARTMENTS	31,877	151,304	0.668		7	
	12 BUILDINGS&OFFICES	215,912	1,057,234	1.413		92	
	13 MISC. PREMISES	9,234	46,516	0.000		0	
	TOTAL *	\$661,548	\$3,223,437	1.058		237	

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

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TERRITORY 505

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 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)	\$565,153	\$2,062,511	1.138	1.023	167	1.006
	02 RESTAURANTS	311,965	1,717,077	1.004	0.902	111	0.995
	03 STORES	200,268	733,627	0.746	0.670	20	0.979
	04 VENDING & RENTAL	43,458	88,827	0.232	0.208	2	0.989
	05 FOOD & BEV. DIST.	4,121	80,315	7.444	6.690	5	1.012
	06 NON-FOOD&BEV.DIST	37,483	280,463	0.268	0.241	10	0.954
	07 CLUBS, AMSMT&SPRTS	221,334	975,946	1.482	1.332	55	1.027
	08 HEALTH CARE FACIL	10,697	48,439	1.602	1.440	2	0.965
	09 HOTELS AND MOTELS	202,804	771,285	1.999	1.796	102	1.044
	10 SCHLS & CHURCHES	204,742	678,679	1.377	1.237	42	1.050
	11 APARTMENTS	272,263	1,159,796	0.792	0.712	28	0.990
	12 BUILDINGS&OFFICES	387,081	2,320,436	0.928	0.834	149	1.007
	13 MISC. PREMISES	66,609	425,730	0.778	0.700	31	1.019
	TOTAL *	\$2,527,978	\$11,343,131	1.114		724	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$394,965	\$2,180,679	2.197	1.974	393	1.140
	TOTAL *	\$394,965	\$2,180,679	2.197		393	
32 MULT APARTMENT	11 APARTMENTS	\$311,682	\$1,216,428	0.891	0.801	44	0.967
	12 BUILDINGS&OFFICES	37,329	124,001	1.090	0.980	17	0.984
	TOTAL *	\$349,011	\$1,340,429	0.912		61	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$1,207,966	\$5,873,320	0.929	0.835	266	0.953
	13 MISC. PREMISES	7,353	38,359	0.000	0.000	0	0.964
	TOTAL *	\$1,215,319	\$5,911,679	0.923		266	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$395,521	\$2,871,714	0.889	0.799	158	0.999
	02 RESTAURANTS	876,641	5,217,471	0.917	0.824	357	0.988
	03 STORES	386,063	2,136,973	0.845	0.760	90	0.972
	04 VENDING & RENTAL	10,626	32,043	0.000	0.000	0	0.982
	05 FOOD & BEV. DIST.	59,835	303,003	0.952	0.856	8	1.005
	06 NON-FOOD&BEV.DIST	167,032	824,283	0.583	0.524	19	0.947
	12 BUILDINGS&OFFICES	352,882	1,677,545	0.965	0.867	85	1.000
	TOTAL *	\$2,248,600	\$13,063,032	0.879		717	

TENNESSEE
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	505		(1) FISCAL A.Y.E. 06/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP							
35 MULT INSTITUT.	07 CLUBS, AMSMT&SPRTS		\$48,104	\$149,617	2.232	2.006	15	1.014
	08 HEALTH CARE FACIL		80,097	429,900	0.279	0.251	10	0.953
	10 SCHLS & CHURCHES		599,424	2,756,039	1.726	1.551	365	1.037
	12 BUILDINGS&OFFICES		3,322	16,451	2.683	2.411	6	0.994
	13 MISC. PREMISES		435	1,673	0.000	0.000	0	1.006
	16 GOVT SUBDIVISIONS		177,567	929,423	0.757	0.680	9	0.987
	TOTAL *		\$908,949	\$4,283,103	1.439		405	
36 MULT SERVICES	03 STORES		\$61,566	\$265,483	0.822	0.738	8	0.975
	04 VENDING & RENTAL		21,265	147,232	0.954	0.857	6	0.985
	07 CLUBS, AMSMT&SPRTS		404,156	1,828,308	0.910	0.818	115	1.023
	08 HEALTH CARE FACIL		370	1,495	0.000	0.000	0	0.961
	09 HOTELS AND MOTELS		9,262	54,026	5.472	4.918	3	1.040
	10 SCHLS & CHURCHES		3,312	10,799	0.000	0.000	0	1.046
	12 BUILDINGS&OFFICES		89,679	434,802	0.976	0.877	34	1.003
	13 MISC. PREMISES		70,419	287,548	2.703	2.429	21	1.015
	TOTAL *		\$660,029	\$3,029,693	1.163		187	
TOTAL ALL TOP	01 FOOD&BEV. (RETAIL)		\$960,674	\$4,934,225	1.035		325	
	02 RESTAURANTS		1,188,606	6,934,548	0.940		468	
	03 STORES		647,897	3,136,083	0.812		118	
	04 VENDING & RENTAL		75,349	268,102	0.403		8	
	05 FOOD & BEV. DIST.		63,956	383,318	1.371		13	
	06 NON-FOOD&BEV.DIST		204,515	1,104,746	0.525		29	
	07 CLUBS, AMSMT&SPRTS		673,594	2,953,871	1.192		185	
	08 HEALTH CARE FACIL		91,164	479,834	0.433		12	
	09 HOTELS AND MOTELS		607,031	3,005,990	2.181		498	
	10 SCHLS & CHURCHES		807,478	3,445,517	1.630		407	
	11 APARTMENTS		583,945	2,376,224	0.845		72	
	12 BUILDINGS&OFFICES		2,078,259	10,446,555	0.942		557	
	13 MISC. PREMISES		144,816	753,310	1.672		52	
	16 GOVT SUBDIVISIONS		177,567	929,423	0.757		9	
	TOTAL *		\$8,304,851	\$41,151,746	1.105		2,753	

* 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) FISCAL A.Y.E. 06/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$676,028	\$2,737,467	1.234		239	
	02 RESTAURANTS	633,384	3,553,478	1.014		252	
	03 STORES	314,928	1,180,669	0.749		29	
	04 VENDING & RENTAL	129,849	248,002	0.078		2	
	05 FOOD & BEV. DIST.	31,086	198,237	1.640		6	
	06 NON-FOOD&BEV.DIST	76,273	486,675	0.309		17	
	07 CLUBS, AMSMT&SPRTS	322,818	1,462,953	2.309		117	
	08 HEALTH CARE FACIL	29,167	152,238	0.704		5	
	09 HOTELS AND MOTELS	625,319	3,576,384	1.286		336	
	10 SCHLS & CHURCHES	362,412	1,596,458	1.536		81	
	11 APARTMENTS	676,317	3,529,123	0.939		94	
	12 BUILDINGS&OFFICES	1,166,574	6,744,363	1.084		335	
	13 MISC. PREMISES	197,167	1,574,659	0.893		76	
	TOTAL *	\$5,241,322	\$27,040,706	1.145		1,589	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$838,161	\$4,122,931	2.244		588	
	TOTAL *	\$838,161	\$4,122,931	2.244		588	
32 MULT APARTMENT	11 APARTMENTS	\$645,923	\$2,756,771	0.893		155	
	12 BUILDINGS&OFFICES	120,544	408,210	0.555		24	
	TOTAL *	\$766,467	\$3,164,981	0.840		179	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$2,783,210	\$13,951,883	0.862		573	
	13 MISC. PREMISES	18,939	82,602	0.041		1	
	TOTAL *	\$2,802,149	\$14,034,485	0.857		574	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$626,170	\$4,237,079	1.020		257	
	02 RESTAURANTS	1,878,273	9,867,051	1.070		704	
	03 STORES	732,722	3,680,881	0.936		201	
	04 VENDING & RENTAL	17,632	48,989	0.000		0	
	05 FOOD & BEV. DIST.	122,849	630,903	1.136		35	
	06 NON-FOOD&BEV.DIST	343,788	1,836,474	0.542		67	
	12 BUILDINGS&OFFICES	707,585	3,596,115	1.132		183	
	TOTAL *	\$4,429,019	\$23,897,492	1.007		1,447	

TENNESSEE
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	ALL	(1) FISCAL A.Y.E. 06/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
35 MULT INSTITUT.	07 CLUBS, AMSMT&SPRTS	\$58,217	\$205,410	1.851		16	
	08 HEALTH CARE FACIL	126,327	736,255	0.246		18	
	10 SCHLS & CHURCHES	1,274,109	6,287,850	1.337		562	
	12 BUILDINGS&OFFICES	14,343	69,544	0.940		13	
	13 MISC. PREMISES	461	1,802	0.000		0	
	16 GOVT SUBDIVISIONS	177,569	929,425	0.757		9	
	TOTAL *	\$1,651,026	\$8,230,286	1.205		618	
36 MULT SERVICES	03 STORES	\$81,467	\$375,037	0.863		14	
	04 VENDING & RENTAL	89,598	472,493	1.583		14	
	07 CLUBS, AMSMT&SPRTS	699,365	3,216,702	0.811		211	
	08 HEALTH CARE FACIL	5,898	32,477	0.000		0	
	09 HOTELS AND MOTELS	12,507	131,699	4.053		3	
	10 SCHLS & CHURCHES	6,870	23,407	0.894		5	
	12 BUILDINGS&OFFICES	236,664	1,325,918	1.720		102	
	13 MISC. PREMISES	198,894	892,819	1.829		63	
	TOTAL *	\$1,331,263	\$6,470,552	1.207		412	
TOTAL ALL	TOP						
	01 FOOD&BEV. (RETAIL)	\$1,302,198	\$6,974,546	1.131		496	
	02 RESTAURANTS	2,511,657	13,420,529	1.056		956	
	03 STORES	1,129,117	5,236,587	0.878		244	
	04 VENDING & RENTAL	237,079	769,484	0.641		16	
	05 FOOD & BEV. DIST.	153,935	829,140	1.238		41	
	06 NON-FOOD&BEV.DIST	420,061	2,323,149	0.500		84	
	07 CLUBS, AMSMT&SPRTS	1,080,400	4,885,065	1.314		344	
	08 HEALTH CARE FACIL	161,392	920,970	0.320		23	
	09 HOTELS AND MOTELS	1,475,987	7,831,014	1.853		927	
	10 SCHLS & CHURCHES	1,643,391	7,907,715	1.379		648	
	11 APARTMENTS	1,322,240	6,285,894	0.917		249	
	12 BUILDINGS&OFFICES	5,028,920	26,096,033	0.985		1,230	
	13 MISC. PREMISES	415,461	2,551,882	1.301		140	
	16 GOVT SUBDIVISIONS	177,569	929,425	0.757		9	
	TOTAL *	\$17,059,407	\$86,961,433	1.113		5,407	

* 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 1.045 OR + 4.5%			
TOP								
10	0.881	0.317	0.961	0.956				
34	0.979	0.343	0.993	0.987				
36	1.029	0.185	1.005	1.000				
37	1.086	0.477	1.040	1.035				
CLASS GROUP					(5) INDICATED MULTISTATE MONOLINE CHANGE	(6) INDICATED STATEWIDE MONOLINE CHANGE#*	(7) SELECTED STATEWIDE MONOLINE CHANGE	
3	0.867	0.446	0.938	0.942	- 5.9%	- 9.2%	- 9.2%	
4	1.109	0.383	1.040	1.044	+ 4.3%	+ 3.9%	+ 3.9%	
5	1.079	0.130	1.010	1.014	+ 1.2%	+ 5.0%	+ 5.0%	
6	0.977	0.310	0.993	0.996	- 0.5%	- 1.8%	- 1.8%	
7	0.998	0.143	1.000	1.003	+ 0.2%	- 1.6%	- 1.6%	
			OVERALL MONOLINE	INDICATION	- 0.1%	- 1.5%	- 1.5%	

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

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

MULTISTATE
PRODUCTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1) CALENDAR A.Y.E. 12/31/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2014 - 2018 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	03 MAN, DLR, DSTFD/DRG	\$8,093,332	\$39,443,822	0.784	0.712	920	0.900
	04 DLR, DST-NOTFD/DRG	7,050,350	31,300,283	1.139	1.034	465	0.998
	05 MAN.NTFD/DRG (LOW)	1,674,016	6,525,174	0.980	0.890	84	0.969
	06 MAN.NTFD/DRG (MED)	8,719,673	39,390,154	1.006	0.914	462	0.952
	07 MAN.NTFD/DRG (HGH)	2,487,754	10,123,703	0.821	0.745	82	0.959
	TOTAL *	\$28,025,125	\$126,783,136	0.957		2,013	
34 MULT MERCANTILE	03 MAN, DLR, DSTFD/DRG	\$4,331,883	\$21,396,487	1.047	0.951	564	0.930
	04 DLR, DST-NOTFD/DRG	25,139,034	121,279,202	1.176	1.068	1,794	1.031
	06 MAN.NTFD/DRG (MED)	3,108	19,331	0.000	0.000	0	0.984
	TOTAL *	\$29,474,025	\$142,695,020	1.157		2,358	
36 MULT SERVICES	04 DLR, DST-NOTFD/DRG	\$2,760,971	\$12,384,922	1.274	1.157	688	1.044
	06 MAN.NTFD/DRG (MED)	42,893	205,196	0.000	0.000	0	0.996
	TOTAL *	\$2,803,864	\$12,590,118	1.254		688	
37 MULT INDUST/PROC.	03 MAN, DLR, DSTFD/DRG	\$13,380,685	\$63,881,777	1.035	0.940	2,512	0.974
	05 MAN.NTFD/DRG (LOW)	3,488,504	18,393,950	1.322	1.200	254	1.048
	06 MAN.NTFD/DRG (MED)	24,557,849	115,549,330	1.149	1.043	1,462	1.031
	07 MAN.NTFD/DRG (HGH)	5,784,533	29,451,053	1.257	1.141	329	1.038
	TOTAL *	\$47,211,571	\$227,276,110	1.143		4,557	
TOTAL ALL TOP	03 MAN, DLR, DSTFD/DRG	\$25,805,900	\$124,722,086	0.959		3,996	
	04 DLR, DST-NOTFD/DRG	34,950,355	164,964,407	1.176		2,947	
	05 MAN.NTFD/DRG (LOW)	5,162,520	24,919,124	1.211		338	
	06 MAN.NTFD/DRG (MED)	33,323,523	155,164,011	1.110		1,924	
	07 MAN.NTFD/DRG (HGH)	8,272,287	39,574,756	1.126		411	
	TOTAL *	\$107,514,585	\$509,344,384	1.101		9,616	

* 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 1.107 OR + 10.7%		
TOP							
10	0.982	0.722	0.987	0.985			
34	0.956	0.510	0.977	0.975			
36	0.955	0.521	0.976	0.974			
37	1.094	0.137	1.012	1.010			
38	1.018	0.965	1.017	1.015			
					(5) INDICATED MULTISTATE MONOLINE CHANGE	(6) INDICATED STATEWIDE MONOLINE CHANGE#*	(7) SELECTED STATEWIDE MONOLINE CHANGE
CLASS GROUP							
1	0.924	0.511	0.960	0.958	+ 4.8%	+ 10.0%	+ 10.1%
2	1.075	0.497	1.037	1.033	+ 12.7%	+ 17.3%	+ 17.1%
11	1.085	0.347	1.029	1.025	+ 11.3%	+ 18.8%	+ 17.7%
12	1.008	1.000	1.008	1.005	+ 9.2%	+ 12.6%	+ 12.6%
13	0.835	0.264	0.954	0.951	+ 3.6%	+ 9.9%	+ 9.9%
			OVERALL MONOLINE INDICATION		+ 9.0%	+ 12.8%	+ 12.8%

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.
	2.014	0.233	1.177	1.179		
	1.233	0.389	1.085	1.086		
	1.171	0.453	1.074	1.075		
	1.178	0.356	1.060	1.061		
	1.074	0.618	1.045	1.046		
	1.180	0.253	1.043	1.044		
	1.179	0.212	1.035	1.037		
	1.272	0.136	1.033	1.035		
	1.328	0.112	1.032	1.033		
	1.218	0.158	1.032	1.033		
TENNESSEE	1.090	0.361	1.032	1.033	12.8%	12.8%
	1.178	0.187	1.031	1.032		
	1.136	0.234	1.030	1.032		
	1.120	0.256	1.029	1.031		
	1.071	0.429	1.030	1.031		
	1.080	0.366	1.029	1.030		
	1.110	0.243	1.026	1.027		
	1.145	0.182	1.025	1.026		
	1.191	0.130	1.023	1.024		
	1.029	0.365	1.011	1.012		
	1.034	0.310	1.011	1.012		
	1.025	0.391	1.010	1.011		
	1.062	0.148	1.009	1.010		
	1.020	0.251	1.005	1.006		
	1.001	0.453	1.001	1.002		
	0.985	0.557	0.992	0.993		
	0.980	0.455	0.991	0.992		
	0.903	0.095	0.990	0.992		
	0.963	0.334	0.987	0.989		
	0.935	0.183	0.988	0.989		
	0.891	0.134	0.985	0.986		
	0.961	0.471	0.981	0.982		
	0.912	0.222	0.980	0.981		
	0.931	0.299	0.979	0.980		
	0.934	0.313	0.979	0.980		
	0.925	0.285	0.978	0.979		
	0.844	0.164	0.973	0.974		
	0.837	0.156	0.973	0.974		
	0.944	0.489	0.972	0.973		
	0.901	0.378	0.961	0.962		
	0.540	0.066	0.960	0.961		
	0.797	0.215	0.952	0.954		
	0.896	0.451	0.952	0.953		
	0.906	0.570	0.945	0.946		
	0.857	0.416	0.938	0.939		
	0.466	0.087	0.936	0.937		
	0.686	0.179	0.935	0.936		
	0.780	0.288	0.931	0.932		
	0.623	0.154	0.930	0.931		
	0.777	0.304	0.926	0.927		
	0.848	0.553	0.913	0.914		
	0.562	0.170	0.907	0.908		

* 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. 12/31/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	CALENDAR A.Y.E. 2014 - 2018 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
10 MONOLINE	01 RET.STRS-FOOD/DRG	\$35,517	\$163,247	0.929	0.813	13	0.974
	02 RET.STRS-NTFD/DRG	23,105	121,868	0.266	0.232	2	1.051
	11 COMP. OPS. (LOW)	76,537	313,743	0.988	0.864	3	1.043
	12 COMP. OPS. (MED)	1,592,824	7,115,715	1.374	1.202	135	1.022
	13 COMP. OPS. (HGH)	153,511	586,602	0.139	0.121	4	0.967
	TOTAL *	\$1,881,494	\$8,301,175	1.236		157	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	\$149,572	\$665,744	2.482	2.170	136	0.965
	02 RET.STRS-NTFD/DRG	88,697	464,685	1.271	1.112	18	1.041
	12 COMP. OPS. (MED)	37,452	189,638	4.773	4.174	3	1.012
	TOTAL *	\$275,721	\$1,320,067	2.404		157	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	\$37,395	\$164,518	1.127	0.985	19	0.964
	02 RET.STRS-NTFD/DRG	172,344	756,219	1.101	0.963	53	1.040
	11 COMP. OPS. (LOW)	24,549	124,807	1.913	1.673	5	1.032
	12 COMP. OPS. (MED)	69,520	327,080	2.010	1.757	31	1.011
	13 COMP. OPS. (HGH)	10,080	45,099	0.310	0.271	1	0.957
	TOTAL *	\$313,888	\$1,417,723	1.344		109	
37 MULT INDUST/PROC.	11 COMP. OPS. (LOW)	\$207	\$1,010	0.000	0.000	0	1.070
	12 COMP. OPS. (MED)	39,179	219,680	3.669	3.209	7	1.048
	13 COMP. OPS. (HGH)	0	5	0.000	0.000	0	0.992
	TOTAL *	\$39,386	\$220,695	3.650		7	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$176,726	\$851,271	2.034	1.779	19	1.075
	12 COMP. OPS. (MED)	2,793,361	12,915,791	1.096	0.959	259	1.054
	13 COMP. OPS. (HGH)	260,318	1,322,189	0.674	0.589	10	0.997
	TOTAL *	\$3,230,405	\$15,089,251	1.114		288	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	\$222,484	\$993,509	2.006		168	
	02 RET.STRS-NTFD/DRG	284,146	1,342,772	1.086		73	
	11 COMP. OPS. (LOW)	278,019	1,290,831	1.734		27	
	12 COMP. OPS. (MED)	4,532,336	20,767,904	1.261		435	
	13 COMP. OPS. (HGH)	423,909	1,953,895	0.471		15	
	TOTAL *	\$5,740,894	\$26,348,911	1.246		718	

* 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. 12/31/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	CALENDAR A.Y.E. 2014 - 2018 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
10 MONOLINE	01 RET.STRS-FOOD/DRG	\$2,151,747	\$9,207,997	0.954		570	
	02 RET.STRS-NTFD/DRG	2,295,068	11,448,808	1.305		473	
	11 COMP. OPS. (LOW)	3,892,639	18,163,511	1.628		651	
	12 COMP. OPS. (MED)	83,135,280	371,618,514	1.130		5,859	
	13 COMP. OPS. (HGH)	7,417,394	33,727,804	0.856		270	
	TOTAL *	\$98,892,128	\$444,166,634	1.129		7,823	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	\$7,378,051	\$34,825,684	1.019		3,165	
	02 RET.STRS-NTFD/DRG	4,658,506	21,948,411	1.063		619	
	12 COMP. OPS. (MED)	2,025,900	9,715,471	1.280		128	
	TOTAL *	\$14,062,457	\$66,489,566	1.071		3,912	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	\$731,256	\$3,413,076	1.191		192	
	02 RET.STRS-NTFD/DRG	11,447,132	45,559,628	1.208		2,628	
	11 COMP. OPS. (LOW)	3,038,264	13,955,703	1.001		463	
	12 COMP. OPS. (MED)	3,961,069	19,707,043	1.159		722	
	13 COMP. OPS. (HGH)	1,089,073	5,588,052	0.594		73	
	TOTAL *	\$20,266,794	\$88,223,502	1.134		4,078	
37 MULT INDUST/PROC.	01 RET.STRS-FOOD/DRG	\$9,836	\$70,552	0.697		1	
	11 COMP. OPS. (LOW)	114,352	544,481	0.929		18	
	12 COMP. OPS. (MED)	3,289,833	16,165,376	1.259		263	
	13 COMP. OPS. (HGH)	47,462	274,715	0.769		0	
	TOTAL *	\$3,461,483	\$17,055,124	1.240		282	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$8,332,796	\$39,387,506	1.147		683	
	12 COMP. OPS. (MED)	145,126,584	693,295,478	1.168		12,596	
	13 COMP. OPS. (HGH)	13,781,272	64,521,309	1.051		709	
	TOTAL *	\$167,240,652	\$797,204,293	1.157		13,988	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	\$10,270,890	\$47,517,309	1.017		3,928	
	02 RET.STRS-NTFD/DRG	18,400,706	78,956,847	1.183		3,720	
	11 COMP. OPS. (LOW)	15,378,051	72,051,201	1.239		1,815	
	12 COMP. OPS. (MED)	237,538,666	1,110,501,882	1.157		19,568	
	13 COMP. OPS. (HGH)	22,335,201	104,111,880	0.963		1,052	
	TOTAL *	\$303,923,514	\$1,413,139,119	1.144		30,083	

* 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	\$5,203,937		1.000		1.100				\$5,724,331
	06/30/2018	5,769,583		1.001		1.072				6,191,178
	06/30/2019	5,811,841		1.034		1.037				6,231,793
MULTILINE	06/30/2017	\$10,230,967		1.000		1.097		0.898		\$10,078,587
	06/30/2018	10,695,243		1.001		1.069		0.899		10,288,739
	06/30/2019	10,185,553		1.034		1.037		0.897		9,796,622
TOTAL	06/30/2017									\$15,802,918
	06/30/2018									16,479,917
	06/30/2019									16,028,415

+ 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 06/01/2021 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 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	\$1,795,639		0.934		1.085		1.269		1.000		\$2,309,177
		06/30/2018	1,920,447		1.062		1.085		1.215		1.000		2,688,641
		06/30/2019	1,559,496		1.687		1.085		1.162		1.000		3,316,922
BI	ALAE	06/30/2017	\$1,525,931				1.085		1.269		1.000		\$2,101,001
		06/30/2018	1,708,198				1.085		1.215		1.000		2,251,875
		06/30/2019	2,249,813				1.085		1.162		1.000		2,836,497
PD	B/L INDEMNITY	06/30/2017	\$3,186,664		1.044		1.085		1.269		1.000		\$4,580,661
		06/30/2018	3,261,517		1.081		1.085		1.215		1.000		4,647,842
		06/30/2019	3,169,696		1.248		1.085		1.162		1.000		4,987,330
PD	ALAE	06/30/2017	\$1,644,731				1.085		1.269		1.000		\$2,264,573
		06/30/2018	1,399,502				1.085		1.215		1.000		1,844,929
		06/30/2019	1,846,547				1.085		1.162		1.000		2,328,071
MED PAY#	B/L INDEMNITY	06/30/2017	\$71,652				1.085		1.269		1.000		\$98,655
		06/30/2018	88,410				1.085		1.215		1.000		116,549
		06/30/2019	64,050				1.085		1.162		1.000		80,752
FRINGE	B/L INDEMNITY	06/30/2017	\$158,566		1.086		1.085		1.000		1.000		\$186,840
		06/30/2018	225,705		1.199		1.085		1.000		1.000		293,623
		06/30/2019	68,516		1.581		1.085		1.000		1.000		117,531
FRINGE	ALAE	06/30/2017	\$139,382				1.085		1.000		1.000		\$151,230
		06/30/2018	572,819				1.085		1.000		1.000		621,509
		06/30/2019	104,538				1.085		1.000		1.000		113,424
	TOTAL FULL COVERAGE	06/30/2017											\$11,692,136
		06/30/2018											12,464,967
		06/30/2019											13,780,526

* 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	\$630,612		1.148		1.085		1.269		1.000		\$996,771
		06/30/2018	313,117		1.506		1.085		1.215		1.000		621,638
		06/30/2019	114,960		2.405		1.085		1.162		1.000		348,576
BI	ALAE	06/30/2017	\$676,793				1.085		1.269		1.000		\$931,853
		06/30/2018	165,720				1.085		1.215		1.000		218,465
		06/30/2019	115,334				1.085		1.162		1.000		145,410
PD	B/L INDEMNITY	06/30/2017	\$1,359,636		1.032		1.085		1.269		1.000		\$1,931,940
		06/30/2018	978,465		1.072		1.085		1.215		1.000		1,382,758
		06/30/2019	805,163		1.171		1.085		1.162		1.000		1,188,712
PD	ALAE	06/30/2017	\$471,691				1.085		1.269		1.000		\$649,455
		06/30/2018	715,061				1.085		1.215		1.000		942,647
		06/30/2019	502,554				1.085		1.162		1.000		633,605
MED PAY#	B/L INDEMNITY	06/30/2017	\$350				1.085		1.269		1.000		\$482
		06/30/2018	302				1.085		1.215		1.000		398
		06/30/2019	910				1.085		1.162		1.000		1,147
	TOTAL DED COVERAGE	06/30/2017											\$4,510,501
		06/30/2018											3,165,906
		06/30/2019											2,317,450
	TOTAL	06/30/2017											\$16,202,637
		06/30/2018											15,630,872
		06/30/2019											16,097,976

* 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	\$6,243,586		1.000		1.020				\$6,368,458
	06/30/2018	5,572,825		1.000		1.017				5,667,563
	06/30/2019	5,152,985		1.003		1.014				5,240,802
MULTILINE	06/30/2017	\$12,583,527		1.000		1.022		0.949		\$12,204,486
	06/30/2018	12,442,436		1.000		1.017		0.950		12,021,260
	06/30/2019	12,242,483		1.003		1.013		0.950		11,816,898
TOTAL	06/30/2017									\$18,572,944
	06/30/2018									17,688,823
	06/30/2019									17,057,700

+ 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 06/01/2021 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

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	\$7,198,959		0.920		1.085		1.237		0.973		\$8,649,078
		06/30/2018	8,023,448		0.930		1.085		1.189		0.978		9,414,439
		06/30/2019	6,123,238		1.203		1.085		1.143		0.983		8,979,998
BI	ALAE	06/30/2017	\$4,151,192				1.085		1.237		0.973		\$5,421,071
		06/30/2018	3,255,330				1.085		1.189		0.978		4,107,196
		06/30/2019	3,924,862				1.085		1.143		0.983		4,784,691
PD	B/L INDEMNITY	06/30/2017	\$813,310		1.050		1.085		1.303		0.973		\$1,174,715
		06/30/2018	593,801		1.071		1.085		1.240		0.978		836,798
		06/30/2019	970,299		1.164		1.085		1.181		0.983		1,422,629
PD	ALAE	06/30/2017	\$265,041				1.085		1.303		0.973		\$364,586
		06/30/2018	255,232				1.085		1.240		0.978		335,835
		06/30/2019	444,580				1.085		1.181		0.983		559,994
MED PAY#	B/L INDEMNITY	06/30/2017	\$1,107,763				1.085		1.237		0.973		\$1,446,636
		06/30/2018	1,047,432				1.085		1.189		0.978		1,321,528
		06/30/2019	1,271,567				1.085		1.143		0.983		1,550,132
FRINGE	B/L INDEMNITY	06/30/2017	\$418,040		1.043		1.085		1.055		0.973		\$485,621
		06/30/2018	115,978		1.276		1.085		1.045		0.978		164,101
		06/30/2019	426,095		1.665		1.085		1.035		0.983		783,149
FRINGE	ALAE	06/30/2017	\$808,942				1.085		1.055		0.973		\$900,974
		06/30/2018	416,976				1.085		1.045		0.978		462,377
		06/30/2019	1,110,689				1.085		1.035		0.983		1,226,072
	TOTAL FULL COVERAGE	06/30/2017											\$18,442,680
		06/30/2018											16,642,273
		06/30/2019											19,306,665

* 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

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	\$524,117		1.040		1.085		1.237		0.973		\$711,826
		06/30/2018	716,142		1.251		1.085		1.189		0.978		1,130,334
		06/30/2019	189,188		1.737		1.085		1.143		0.983		400,611
BI	ALAE	06/30/2017	\$168,756				1.085		1.237		0.973		\$220,380
		06/30/2018	314,093				1.085		1.189		0.978		396,286
		06/30/2019	128,542				1.085		1.143		0.983		156,702
PD	B/L INDEMNITY	06/30/2017	\$9,497		1.194		1.085		1.303		0.973		\$15,598
		06/30/2018	97,870		1.225		1.085		1.240		0.978		157,752
		06/30/2019	14,864		1.350		1.085		1.181		0.983		25,276
PD	ALAE	06/30/2017	\$4,140				1.085		1.303		0.973		\$5,695
		06/30/2018	29,491				1.085		1.240		0.978		38,804
		06/30/2019	7,213				1.085		1.181		0.983		9,086
MED PAY#	B/L INDEMNITY	06/30/2017	\$27,084				1.085		1.237		0.973		\$35,369
		06/30/2018	39,466				1.085		1.189		0.978		49,794
		06/30/2019	16,194				1.085		1.143		0.983		19,742
	TOTAL DED COVERAGE	06/30/2017											\$988,868
		06/30/2018											1,772,971
		06/30/2019											611,416
	TOTAL	06/30/2017											\$19,431,548
		06/30/2018											18,415,244
		06/30/2019											19,918,081

* 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	1.026	1.035	0.7286	1.033	26,000,000
27 to 39 Months	1.001	1.000	0.4680	1.001	80,000,000
Accident Year Ending	<u>27:15</u>	Exposure Development From			<u>Factor</u>
		<u>39:27</u>	<u>ULT:39</u>		
6/30/2017			1.000		1.000
6/30/2018		1.001	1.000		1.001
6/30/2019	1.033	1.001	1.000		1.034

(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

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	1.004	1.002	0.5668	1.003	75,000,000
27 to 39 Months	1.000	1.000	0.3025	1.000	222,000,000
Accident Year Ending	<u>27:15</u>	Exposure Development From		<u>39:27</u>	<u>ULT:39</u>
6/30/2017			1.000		Factor
6/30/2018		1.000	1.000		1.000
6/30/2019	1.003	1.000	1.000		1.003

(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>
6/30/2012	20,678,550	21,348,298	20,515,490	20,522,256	20,520,848	20,520,845	20,520,845	20,520,806
6/30/2013	20,731,006	20,860,067	20,867,554	20,870,694	20,870,818	20,878,824	20,878,433	
6/30/2014	21,822,627	22,426,212	22,440,467	22,447,133	22,511,526	22,509,074		
6/30/2015	22,275,338	22,981,838	22,975,243	22,989,988	22,988,708			
6/30/2016	22,364,064	23,203,142	23,210,169	23,211,228				
6/30/2017	23,145,816	24,189,327	24,353,168					
6/30/2018	24,272,919	25,105,308						
6/30/2019	24,682,323							

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>
6/30/2012	1.032	0.961	1.000	1.000	1.000	1.000	1.000
6/30/2013	1.006	1.000	1.000	1.000	1.000	1.000	
6/30/2014	1.028	1.001	1.000	1.003	1.000		
6/30/2015	1.032	1.000	1.001	1.000			
6/30/2016	1.038	1.000	1.000				
6/30/2017	1.045	1.007					
6/30/2018	1.034						
6/30/2019							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.035	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>
6/30/2012	24,641,155	25,071,386	24,810,598	24,806,278	24,803,168	24,803,405	24,803,405	24,802,996
6/30/2013	25,390,423	25,396,995	25,398,448	25,404,618	25,407,974	25,407,943	25,406,613	
6/30/2014	27,880,329	27,896,838	27,932,014	27,964,592	27,957,297	27,956,122		
6/30/2015	30,102,928	30,317,217	30,298,464	30,302,227	30,323,002			
6/30/2016	32,407,381	32,071,501	32,096,064	32,098,102				
6/30/2017	33,282,865	33,913,174	33,825,694					
6/30/2018	32,449,661	32,399,707						
6/30/2019	31,292,600							

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>
6/30/2012	1.017	0.990	1.000	1.000	1.000	1.000	1.000
6/30/2013	1.000	1.000	1.000	1.000	1.000	1.000	
6/30/2014	1.001	1.001	1.001	1.000	1.000		
6/30/2015	1.007	0.999	1.000	1.001			
6/30/2016	0.990	1.001	1.000				
6/30/2017	1.019	0.997					
6/30/2018	0.998						
6/30/2019							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.002	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>
6/30/2012	1,431,881,874	1,486,732,089	1,406,909,274	1,406,634,858	1,406,854,875	1,407,090,813	1,407,072,643	1,407,086,359
6/30/2013	1,479,103,068	1,465,979,221	1,467,864,691	1,468,923,067	1,468,990,272	1,469,008,918	1,468,899,617	
6/30/2014	1,521,066,626	1,569,181,782	1,572,502,561	1,573,176,061	1,573,367,945	1,573,176,888		
6/30/2015	1,603,604,030	1,646,733,499	1,646,755,193	1,646,986,523	1,646,774,319			
6/30/2016	1,608,801,269	1,650,330,526	1,646,454,838	1,646,639,427				
6/30/2017	1,657,549,629	1,697,607,069	1,699,785,737					
6/30/2018	1,727,251,552	1,763,080,169						
6/30/2019	1,814,205,861							

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>
6/30/2012	1.038	0.946	1.000	1.000	1.000	1.000	1.000
6/30/2013	0.991	1.001	1.001	1.000	1.000	1.000	
6/30/2014	1.032	1.002	1.000	1.000	1.000		
6/30/2015	1.027	1.000	1.000	1.000			
6/30/2016	1.026	0.998	1.000				
6/30/2017	1.024	1.001					
6/30/2018	1.021						
6/30/2019							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.026	1.001

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>
6/30/2012	1,718,772,375	1,741,972,425	1,716,394,261	1,716,338,138	1,716,308,378	1,716,329,776	1,716,492,293	1,716,486,098
6/30/2013	1,805,233,802	1,800,647,941	1,801,350,703	1,803,581,181	1,803,966,410	1,803,831,226	1,803,811,407	
6/30/2014	1,920,660,718	1,950,430,582	1,950,323,695	1,951,306,159	1,951,050,962	1,950,954,425		
6/30/2015	2,072,411,534	2,078,411,845	2,078,568,354	2,077,647,990	2,077,488,960			
6/30/2016	2,174,078,972	2,178,999,363	2,178,348,854	2,177,910,186				
6/30/2017	2,194,941,126	2,209,998,181	2,208,348,809					
6/30/2018	2,233,470,370	2,236,613,787						
6/30/2019	2,281,050,640							

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>
6/30/2012	1.013	0.985	1.000	1.000	1.000	1.000	1.000
6/30/2013	0.997	1.000	1.001	1.000	1.000	1.000	
6/30/2014	1.015	1.000	1.001	1.000	1.000		
6/30/2015	1.003	1.000	1.000	1.000			
6/30/2016	1.002	1.000	1.000				
6/30/2017	1.007	0.999					
6/30/2018	1.001						
6/30/2019							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.004	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)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.590	1.587	0.7037	1.588	1,300,000
27 to 39 Months	1.330	1.075	0.7541	1.138	1,600,000
39 to 51 Months	1.072	0.887	0.7646	0.931	1,800,000
51 to 63 Months	0.999	0.988	0.7115	0.991	2,200,000
63 to 75 Months	0.994	1.026	0.6336	1.014	2,600,000
75 to 87 Months	0.998	0.986	0.6399	0.990	3,100,000
87 to 99 Months	0.997	1.001	0.6151	0.999	3,600,000
99 to 111 Months	0.999	1.000	0.5724	1.000	4,300,000
111 to 123 Months	0.999	1.000	0.5028	1.000	5,100,000
123 to 135 Months	1.001	1.001	0.4463	1.001	6,000,000
135 to 147 Months	1.001	0.999	0.3600	1.000	7,100,000
147 to 159 Months	1.000	1.000	0.2568	1.000	8,500,000
159 to 171 Months	1.000	1.000	0.2165	1.000	10,100,000
171 to 183 Months	1.000	1.000	0.2166	1.000	12,000,000
183 to 195 Months	1.000	1.000	0.1993	1.000	14,300,000
195 to 207 Months	1.001	1.000	0.1876	1.001	17,000,000
207 to 219 Months	1.001	1.000	0.1818	1.001	20,300,000
219 to 231 Months	1.001	1.000	0.1266	1.001	24,100,000
231 to 243 Months	1.001	1.000	0.0611	1.001	28,800,000
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							
6/30/2017			0.931	0.991	1.014	0.990	0.999	1.000	1.000	1.001	1.000
6/30/2018		1.138	0.931	0.991	1.014	0.990	0.999	1.000	1.000	1.001	1.000
6/30/2019	1.588	1.138	0.931	0.991	1.014	0.990	0.999	1.000	1.000	1.001	1.000
		159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor
6/30/2017	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.004		0.934
6/30/2018	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.004		1.062
6/30/2019	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.004		1.687

(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	0.0650	0.0729	0.7037	0.0705	1,300,000
27 to 39 Months	0.0999	0.1095	0.7541	0.1071	1,600,000
39 to 51 Months	0.0891	0.1159	0.7646	0.1096	1,800,000
51 to 63 Months	0.0446	0.0760	0.7115	0.0670	2,200,000
63 to 75 Months	0.0252	0.0156	0.6336	0.0191	2,600,000
75 to 87 Months	0.0096	0.0251	0.6399	0.0195	3,100,000
87 to 99 Months	0.0054	0.0007	0.6151	0.0025	3,600,000
99 to 111 Months	0.0029	0.0026	0.5724	0.0027	4,300,000
111 to 123 Months	0.0023	0.0000	0.5028	0.0012	5,100,000
123 to 135 Months	0.0011	0.0000	0.4463	0.0006	6,000,000
135 to 147 Months	0.0005	0.0002	0.3600	0.0003	7,100,000
147 to 159 Months	0.0012	0.0000	0.2568	0.0009	8,500,000
159 to 171 Months	0.0008	0.0000	0.2165	0.0006	10,100,000
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>
	0.402	0.331	0.224	0.115	0.048	0.028	0.009
<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>
	0.006	0.004	0.002	0.002	0.002	0.001	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2017	852,984	3,004,235	0.224	672,947	1,525,931
6/30/2018	483,218	3,700,851	0.331	1,224,980	1,708,198
6/30/2019	243,782	4,990,124	0.402	2,006,031	2,249,813

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2017	367,082	1,382,644	0.224	309,711	676,793
6/30/2018	23,419	429,910	0.331	142,301	165,720
6/30/2019	2,481	280,732	0.402	112,853	115,334

(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	1.111	1.172	0.7101	1.154	2,800,000
27 to 39 Months	1.051	1.030	0.7087	1.036	2,900,000
39 to 51 Months	1.015	1.020	0.7041	1.019	3,000,000
51 to 63 Months	1.006	1.009	0.6972	1.008	3,200,000
63 to 75 Months	1.006	0.999	0.6916	1.001	3,300,000
75 to 87 Months	1.005	1.001	0.6773	1.002	3,500,000
87 to 99 Months	1.005	1.002	0.6698	1.003	3,600,000
99 to 111 Months	1.006	0.997	0.6692	1.000	3,800,000
111 to 123 Months	1.003	1.000	0.6431	1.001	4,000,000
123 to 135 Months	1.001	1.000	0.6370	1.000	4,200,000
135 to 147 Months	1.002	1.000	0.5998	1.001	4,400,000
147 to 159 Months	1.002	1.000	0.5726	1.001	4,600,000
159 to 171 Months	1.002	1.000	0.5761	1.001	4,800,000
171 to 183 Months	1.001	1.000	0.5940	1.000	5,000,000
183 to 195 Months	1.001	1.000	0.6108	1.000	5,300,000
195 to 207 Months	1.001	1.000	0.6040	1.000	5,600,000
207 to 219 Months	1.001	1.000	0.6020	1.000	5,800,000
219 to 231 Months	1.001	1.000	0.4879	1.001	6,100,000
231 to 243 Months	1.001	1.000	0.3087	1.001	6,400,000
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							
6/30/2017			1.019	1.008	1.001	1.002	1.003	1.000	1.001	1.000	1.001
6/30/2018		1.036	1.019	1.008	1.001	1.002	1.003	1.000	1.001	1.000	1.001
6/30/2019	1.154	1.036	1.019	1.008	1.001	1.002	1.003	1.000	1.001	1.000	1.001
	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
6/30/2017	1.001	1.001	1.000	1.000	1.000	1.000	1.001	1.001	1.004		1.044
6/30/2018	1.001	1.001	1.000	1.000	1.000	1.000	1.001	1.001	1.004		1.081
6/30/2019	1.001	1.001	1.000	1.000	1.000	1.000	1.001	1.001	1.004		1.248

(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	0.0451	0.0326	0.7101	0.0362	2,800,000
27 to 39 Months	0.0490	0.0407	0.7087	0.0431	2,900,000
39 to 51 Months	0.0410	0.0922	0.7041	0.0770	3,000,000
51 to 63 Months	0.0339	0.1139	0.6972	0.0896	3,200,000
63 to 75 Months	0.0179	0.0321	0.6916	0.0277	3,300,000
75 to 87 Months	0.0099	0.0044	0.6773	0.0062	3,500,000
87 to 99 Months	0.0084	0.0004	0.6698	0.0031	3,600,000
99 to 111 Months	0.0109	0.0018	0.6692	0.0048	3,800,000
111 to 123 Months	0.0072	0.0001	0.6431	0.0026	4,000,000
123 to 135 Months	0.0047	0.0000	0.6370	0.0017	4,200,000
135 to 147 Months	0.0043	0.0000	0.5998	0.0017	4,400,000
147 to 159 Months	0.0043	0.0000	0.5726	0.0018	4,600,000
159 to 171 Months	0.0042	0.0010	0.5761	0.0023	4,800,000
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>
	0.298	0.262	0.219	0.142	0.052	0.024	0.018
<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	0.010	0.008	0.006	0.004	0.002	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2017	718,345	4,230,071	0.219	926,386	1,644,731
6/30/2018	318,177	4,127,209	0.262	1,081,325	1,399,502
6/30/2019	385,860	4,901,618	0.298	1,460,687	1,846,547

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2017	85,909	1,761,567	0.219	385,782	471,691
6/30/2018	302,969	1,572,871	0.262	412,092	715,061
6/30/2019	66,325	1,463,874	0.298	436,229	502,554

(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	0.1546
27 to 39 Months	0.1652
39 to 51 Months	0.1422
51 to 63 Months	0.0973
63 to 75 Months	0.0441
75 to 87 Months	0.0581
87 to 99 Months	0.0071
99 to 111 Months	0.0174
111 to 123 Months	0.0019
123 to 135 Months	0.0005
135 to 147 Months	0.0005
147 to 159 Months	0.0002
159 to 171 Months	0.0021
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>
	0.691	0.537	0.371	0.229	0.132	0.088	0.030
<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>
	0.023	0.005	0.003	0.003	0.002	0.002	0.000

A.Y.E.	Reported ALAE as of 9/30/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2017	66,082	197,573	0.371	73,300	139,382
6/30/2018	83,259	911,653	0.537	489,560	572,819
6/30/2019	5,020	144,021	0.691	99,518	104,538

(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)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.398	1.283	0.9083	1.294	1,600,000
27 to 39 Months	1.183	0.993	0.9040	1.011	2,100,000
39 to 51 Months	1.049	0.931	0.8783	0.945	2,700,000
51 to 63 Months	0.999	0.986	0.8389	0.988	3,400,000
63 to 75 Months	0.993	1.004	0.7930	1.002	4,300,000
75 to 87 Months	0.994	0.995	0.7752	0.995	5,500,000
87 to 99 Months	0.996	0.989	0.7347	0.991	7,100,000
99 to 111 Months	0.998	0.995	0.6945	0.996	9,000,000
111 to 123 Months	1.000	1.000	0.6175	1.000	11,600,000
123 to 135 Months	1.000	1.000	0.5399	1.000	14,800,000
135 to 147 Months	1.000	0.999	0.4389	1.000	19,000,000
147 to 159 Months	1.000	1.000	0.3605	1.000	24,400,000
159 to 171 Months	1.001	1.000	0.2993	1.001	31,400,000
171 to 183 Months	1.000	1.000	0.2588	1.000	40,300,000
183 to 195 Months	1.000	1.000	0.2069	1.000	52,000,000
195 to 207 Months	1.000	1.000	0.1644	1.000	67,000,000
207 to 219 Months	1.000	1.000	0.1260	1.000	86,500,000
219 to 231 Months	1.000	1.000	0.0667	1.000	111,700,000
231 to 243 Months	1.000	1.000	0.0250	1.000	144,600,000
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							
6/30/2017			0.945	0.988	1.002	0.995	0.991	0.996	1.000	1.000	1.000
6/30/2018		1.011	0.945	0.988	1.002	0.995	0.991	0.996	1.000	1.000	1.000
6/30/2019	1.294	1.011	0.945	0.988	1.002	0.995	0.991	0.996	1.000	1.000	1.000
		159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor
6/30/2017	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.920
6/30/2018	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.930
6/30/2019	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.203

(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	0.0675	0.1085	0.9083	0.1048	1,600,000
27 to 39 Months	0.0813	0.0875	0.9040	0.0869	2,100,000
39 to 51 Months	0.0593	0.0422	0.8783	0.0443	2,700,000
51 to 63 Months	0.0287	0.0080	0.8389	0.0113	3,400,000
63 to 75 Months	0.0133	0.0098	0.7930	0.0105	4,300,000
75 to 87 Months	0.0059	0.0076	0.7752	0.0072	5,500,000
87 to 99 Months	0.0034	0.0018	0.7347	0.0022	7,100,000
99 to 111 Months	0.0032	0.0031	0.6945	0.0031	9,000,000
111 to 123 Months	0.0013	0.0000	0.6175	0.0005	11,600,000
123 to 135 Months	0.0012	0.0000	0.5399	0.0006	14,800,000
135 to 147 Months	0.0005	0.0000	0.4389	0.0003	19,000,000
147 to 159 Months	0.0009	0.0000	0.3605	0.0006	24,400,000
159 to 171 Months	0.0009	0.0000	0.2993	0.0006	31,400,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.273	0.168	0.081	0.037	0.026	0.015	0.008
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.006	0.003	0.002	0.001	0.001	0.001	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2017	3,346,880	9,929,765	0.081	804,312	4,151,192
6/30/2018	1,414,785	10,955,578	0.168	1,840,545	3,255,330
6/30/2019	546,004	12,376,781	0.273	3,378,858	3,924,862

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2017	118,556	619,754	0.081	50,200	168,756
6/30/2018	169,715	859,380	0.168	144,378	314,093
6/30/2019	47,403	297,216	0.273	81,139	128,542

(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	1.128	1.061	0.6086	1.087	1,100,000
27 to 39 Months	1.053	0.997	0.5957	1.020	1,300,000
39 to 51 Months	1.029	0.989	0.5369	1.008	1,500,000
51 to 63 Months	1.010	1.023	0.5034	1.017	1,700,000
63 to 75 Months	1.004	1.000	0.4723	1.002	1,900,000
75 to 87 Months	1.007	1.000	0.4898	1.004	2,200,000
87 to 99 Months	1.001	1.000	0.4599	1.001	2,500,000
99 to 111 Months	1.005	1.000	0.4167	1.003	2,700,000
111 to 123 Months	1.003	1.000	0.3168	1.002	3,100,000
123 to 135 Months	1.001	1.000	0.2526	1.001	3,600,000
135 to 147 Months	1.001	1.000	0.2226	1.001	4,100,000
147 to 159 Months	1.000	1.000	0.2190	1.000	4,600,000
159 to 171 Months	1.000	1.000	0.2404	1.000	5,200,000
171 to 183 Months	1.000	1.000	0.2252	1.000	6,000,000
183 to 195 Months	1.001	1.000	0.2251	1.001	6,700,000
195 to 207 Months	1.002	1.000	0.1901	1.002	7,700,000
207 to 219 Months	1.001	1.000	0.1865	1.001	8,700,000
219 to 231 Months	1.001	1.000	0.1129	1.001	9,900,000
231 to 243 Months	1.001	1.000	0.0527	1.001	11,300,000
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									
6/30/2017			1.008	1.017	1.002	1.004	1.001	1.003	1.002	1.001	1.001		
6/30/2018		1.020	1.008	1.017	1.002	1.004	1.001	1.003	1.002	1.001	1.001		
6/30/2019	1.087	1.020	1.008	1.017	1.002	1.004	1.001	1.003	1.002	1.001	1.001		
		159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243			Factor
6/30/2017	1.000	1.000	1.000	1.001	1.002	1.001	1.001	1.001	1.001	1.004			1.050
6/30/2018	1.000	1.000	1.000	1.001	1.002	1.001	1.001	1.001	1.001	1.004			1.071
6/30/2019	1.000	1.000	1.000	1.001	1.002	1.001	1.001	1.001	1.001	1.004			1.164

(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) 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	0.0754	0.0653	0.6086	0.0693	1,100,000
27 to 39 Months	0.0908	0.0319	0.5957	0.0557	1,300,000
39 to 51 Months	0.0711	0.0234	0.5369	0.0455	1,500,000
51 to 63 Months	0.0462	0.0148	0.5034	0.0304	1,700,000
63 to 75 Months	0.0343	0.0117	0.4723	0.0236	1,900,000
75 to 87 Months	0.0181	-0.0017	0.4898	0.0084	2,200,000
87 to 99 Months	0.0198	0.0014	0.4599	0.0114	2,500,000
99 to 111 Months	0.0167	0.0000	0.4167	0.0097	2,700,000
111 to 123 Months	0.0110	0.0000	0.3168	0.0075	3,100,000
123 to 135 Months	0.0104	0.0033	0.2526	0.0086	3,600,000
135 to 147 Months	0.0057	0.0023	0.2226	0.0050	4,100,000
147 to 159 Months	0.0020	0.0000	0.2190	0.0016	4,600,000
159 to 171 Months	0.0018	0.0000	0.2404	0.0014	5,200,000
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>
	0.278	0.209	0.153	0.107	0.077	0.054	0.045
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.034	0.024	0.017	0.008	0.003	0.001	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2017	125,223	913,833	0.153	139,818	265,041
6/30/2018	115,608	668,041	0.209	139,624	255,232
6/30/2019	66,095	1,361,464	0.278	378,485	444,580

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2017	2,559	10,333	0.153	1,581	4,140
6/30/2018	6,480	110,104	0.209	23,011	29,491
6/30/2019	2,076	18,475	0.278	5,137	7,213

(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

Fringe

Full Coverage

ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.2469
27 to 39 Months	0.1929
39 to 51 Months	0.2011
51 to 63 Months	0.1516
63 to 75 Months	0.1313
75 to 87 Months	0.0839
87 to 99 Months	0.0322
99 to 111 Months	0.0070
111 to 123 Months	0.0126
123 to 135 Months	0.0053
135 to 147 Months	0.0033
147 to 159 Months	0.0169
159 to 171 Months	0.0031
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>
	1.088	0.841	0.648	0.447	0.296	0.164	0.080
<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>
	0.048	0.041	0.029	0.023	0.020	0.003	0.000

A.Y.E.	Reported ALAE as of 9/30/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2017	265,110	839,249	0.648	543,832	808,942
6/30/2018	259,257	187,538	0.841	157,719	416,976
6/30/2019	37,011	986,837	1.088	1,073,678	1,110,689

(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
6/30/2000	932,504	1,354,734	1,753,999	1,836,333	1,732,284	1,736,284	1,751,284	1,798,784	1,798,784	1,872,574	1,872,574
6/30/2001	779,858	1,521,217	1,686,695	1,545,662	1,568,576	1,626,901	1,622,251	1,622,251	1,622,251	1,622,251	1,622,251
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	1,200,834	1,793,562	1,871,099	1,498,135	1,386,698	1,355,901	1,255,701	1,255,701	1,255,701	1,255,701	1,255,701
6/30/2005	1,063,121	1,115,315	753,021	923,754	774,288	740,358	734,963	786,803	811,803	801,134	801,134
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	1,385,885	1,490,961	1,496,626	1,583,271	1,409,710	1,401,210	1,401,210	1,401,210	1,401,210	1,401,210	1,404,210
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	1,848,755	1,662,739	1,600,821	1,600,821	1,604,521	1,604,521	1,608,521	1,608,521
6/30/2010	1,126,523	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	
6/30/2011	1,244,158	2,350,995	2,433,563	2,569,870	2,442,003	2,528,173	2,424,861	2,424,860	2,424,860		
6/30/2012	1,382,381	2,081,712	1,944,076	1,758,205	1,549,355	1,659,084	1,659,084	1,659,084			
6/30/2013	810,356	1,199,022	1,249,955	1,137,680	1,338,729	1,320,929	1,220,929				
6/30/2014	1,252,544	1,871,962	2,022,274	1,710,392	1,608,183	1,550,683					
6/30/2015	1,090,444	2,176,893	2,458,907	2,577,672	2,764,861						
6/30/2016	1,041,232	1,289,954	1,366,941	1,075,353							
6/30/2017	688,034	1,440,191	1,560,711								
6/30/2018	1,357,986	1,726,215									
6/30/2019	1,317,056										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	1,872,574	1,872,574	1,872,574	1,872,574	1,872,574	1,872,574	1,872,574	1,872,574	1,872,574		
6/30/2001	1,622,251	1,622,251	1,622,251	1,622,251	1,622,251	1,622,251	1,622,251	1,622,251			
6/30/2002	1,016,676	1,016,676	1,016,676	1,016,676	1,016,676	1,016,676	1,016,676				
6/30/2003	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						
6/30/2005	776,134	776,134	776,134	776,134							
6/30/2006	759,702	759,702	759,702								
6/30/2007	1,401,210	1,401,210									
6/30/2008	1,829,604										

PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
FULL COVERAGE
TENNESSEE

BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

	Link Ratios										
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.453	1.295	1.047	0.943	1.002	1.009	1.027	1.000	1.041	1.000	1.000
6/30/2001	1.951	1.109	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	1.494	1.043	0.801	0.926	0.978	0.926	1.000	1.000	1.000	1.000	1.000
6/30/2005	1.049	0.675	1.227	0.838	0.956	0.993	1.071	1.032	0.987	1.000	0.969
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	0.899	0.963	1.000	1.002	1.000	1.002	1.000	
6/30/2010	1.408	0.958	0.858	1.165	1.057	1.040	1.034	1.000	1.000		
6/30/2011	1.890	1.035	1.056	0.950	1.035	0.959	1.000	1.000			
6/30/2012	1.506	0.934	0.904	0.881	1.071	1.000	1.000				
6/30/2013	1.480	1.042	0.910	1.177	0.987	0.924					
6/30/2014	1.495	1.080	0.846	0.940	0.964						
6/30/2015	1.996	1.130	1.048	1.073							
6/30/2016	1.239	1.060	0.787								
6/30/2017	2.093	1.084									
6/30/2018	1.271										

3 Yr Mean 1.534 1.091 0.894 1.063 1.007 0.961 1.011 1.000 1.001 1.001 0.999

Best 3/5 1.587 1.075 0.887 0.988 1.026 0.986 1.001 1.000 1.000 1.001 0.999

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
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								
6/30/2006	1.000	1.000									
6/30/2007	1.000										

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

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

	Development From										
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					1.026	0.986	1.001	1.000	1.000	1.001	0.999
6/30/2016				0.988	1.026	0.986	1.001	1.000	1.000	1.001	0.999
6/30/2017			0.887	0.988	1.026	0.986	1.001	1.000	1.000	1.001	0.999
6/30/2018		1.075	0.887	0.988	1.026	0.986	1.001	1.000	1.000	1.001	0.999
6/30/2019	1.587	1.075	0.887	0.988	1.026	0.986	1.001	1.000	1.000	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
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.013
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.000
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.887
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.954
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.514

* 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>
6/30/2000	83,501	208,642	689,902	906,205	1,020,561	1,048,560	1,046,361	1,047,526	1,048,634	1,053,343	1,053,343
6/30/2001	165,988	342,624	575,776	622,484	957,130	995,281	1,000,195	1,000,195	1,075,619	1,075,619	1,075,619
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	536,332	737,477	828,005	897,673	897,569	903,117	903,117	903,117	903,117	903,117
6/30/2005	122,774	383,141	346,184	454,649	488,041	506,531	547,716	547,934	568,815	569,000	555,468
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	92,914	323,435	477,379	618,707	623,200	628,350	628,350	628,350	628,350	628,350	628,350
6/30/2010	134,032	480,004	921,418	1,270,453	1,519,447	1,620,990	1,814,721	1,822,937	1,822,937	1,822,937	
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		
6/30/2012	1,132,885	2,776,937	4,727,519	5,241,473	5,588,076	5,664,339	5,676,009	5,676,503			
6/30/2013	130,450	278,057	872,793	1,072,777	1,139,172	1,104,943	1,134,573				
6/30/2014	174,872	356,060	646,673	993,743	1,718,595	1,698,371					
6/30/2015	160,612	430,134	835,154	1,256,039	1,499,757						
6/30/2016	95,674	247,228	473,503	685,047							
6/30/2017	180,566	506,210	808,260								
6/30/2018	217,214	460,681									
6/30/2019	233,475										

<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>
6/30/2000	1,053,343	1,053,343	1,053,343	1,053,343	1,053,343	1,053,343	1,053,343	1,053,343	1,053,343
6/30/2001	1,075,619	1,075,619	1,075,619	1,075,619	1,075,619	1,075,619	1,075,619	1,075,619	
6/30/2002	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			
6/30/2004	903,117	903,117	903,117	903,117	903,117				
6/30/2005	555,468	555,468	555,468	555,468					
6/30/2006	543,475	543,475	543,475						
6/30/2007	621,108	621,199							
6/30/2008	1,385,860								

PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
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>
6/30/2000	125,141	481,260	216,303	114,356	27,999	-2,199	1,165	1,108	4,709	0	0	0	0
6/30/2001	176,636	233,152	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	249,895	201,145	90,528	69,668	-104	5,548	0	0	0	0	0	0	0
6/30/2005	260,367	-36,957	108,465	33,392	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	
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		
6/30/2009	230,521	153,944	141,328	4,493	5,150	0	0	0	0	0			
6/30/2010	345,972	441,414	349,035	248,994	101,543	193,731	8,216	0	0				
6/30/2011	300,917	263,110	305,141	333,144	698,319	332,240	-316,415	34,978					
6/30/2012	1,644,052	1,950,582	513,954	346,603	76,263	11,670	494						
6/30/2013	147,607	594,736	199,984	66,395	-34,229	29,630							
6/30/2014	181,188	290,613	347,070	724,852	-20,224								
6/30/2015	269,522	405,020	420,885	243,718									
6/30/2016	151,554	226,275	211,544										
6/30/2017	325,644	302,050											
6/30/2018	243,467												

	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>
6/30/2000	0.0423	0.1629	0.0732	0.0387	0.0095	-0.0007	0.0004	0.0004	0.0016	0.0000	0.0000	0.0000	0.0000
6/30/2001	0.0653	0.0861	0.0173	0.1236	0.0141	0.0018	0.0000	0.0279	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.1266	0.1838	-0.0149	0.0725	0.0546	0.0182	0.0126	-0.0078	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.1182	0.1942	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	0.1139	0.0917	0.0413	0.0318	0.0000	0.0025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.3040	-0.0431	0.1266	0.0390	0.0216	0.0481	0.0003	0.0244	0.0002	-0.0158	0.0000	0.0000	0.0000
6/30/2006	0.0879	0.0555	0.0499	0.1418	-0.0037	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2007	0.0526	0.0332	0.0624	0.0087	0.0088	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000	
6/30/2008	0.0702	0.1548	0.0616	0.0690	0.0157	0.0155	0.0019	0.0107	0.0167	0.0031	0.0008		
6/30/2009	0.0827	0.0552	0.0507	0.0016	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000			
6/30/2010	0.1003	0.1280	0.1012	0.0722	0.0294	0.0562	0.0024	0.0000	0.0000				
6/30/2011	0.0667	0.0583	0.0676	0.0738	0.1547	0.0736	-0.0701	0.0078					
6/30/2012	0.5273	0.6256	0.1648	0.1112	0.0245	0.0037	0.0002						
6/30/2013	0.0765	0.3081	0.1036	0.0344	-0.0177	0.0154							
6/30/2014	0.0633	0.1015	0.1212	0.2531	-0.0071								
6/30/2015	0.0477	0.0717	0.0745	0.0432									
6/30/2016	0.0880	0.1315	0.1229										
6/30/2017	0.1029	0.0954											
6/30/2018	0.0673												

Best 3/5	0.0729	0.1095	0.1159	0.0760	0.0156	0.0251	0.0007	0.0026	0.0000	0.0000	0.0002	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
FULL COVERAGE
TENNESSEE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	2,343,165	2,854,807	2,922,343	2,962,628	2,901,743	2,759,241	2,802,241	2,836,739	2,836,525	2,657,027	2,657,028
6/30/2001	2,062,324	2,470,836	3,009,904	2,955,359	2,989,472	2,965,971	3,007,221	2,954,222	2,954,221	2,954,221	2,954,221
6/30/2002	2,138,126	2,450,174	2,545,967	2,590,166	2,704,378	2,834,078	2,814,078	2,837,861	2,782,161	2,782,236	2,882,236
6/30/2003	2,052,423	2,498,210	2,402,635	2,688,554	2,733,289	2,719,902	2,713,126	2,627,458	2,626,986	2,650,803	2,650,803
6/30/2004	2,777,187	2,909,291	3,056,798	2,941,004	2,908,197	2,744,116	2,751,766	2,733,117	2,733,117	2,733,117	2,733,117
6/30/2005	1,820,534	1,857,398	1,996,077	1,784,146	1,994,996	1,940,224	1,941,224	1,950,793	1,955,795	1,955,794	1,955,836
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	2,510,256	2,410,708	2,386,670	2,279,228	2,303,928	2,278,158	2,365,658	2,372,539	2,372,439	2,372,439	2,372,442
6/30/2008	2,455,849	2,484,040	2,561,508	2,397,604	2,379,133	2,402,036	2,418,376	2,387,517	2,388,529	2,388,531	2,388,529
6/30/2009	2,476,614	2,579,781	2,516,688	2,539,393	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	2,248,166	2,099,804	2,067,599	2,179,349	2,185,999	2,201,522	2,225,728	2,187,930	2,186,571	
6/30/2011	2,558,842	2,577,836	2,698,301	2,773,207	2,764,132	2,791,779	2,791,779	2,806,779	2,866,279		
6/30/2012	2,249,226	2,346,881	2,287,662	2,299,938	2,344,820	2,309,286	2,307,953	2,307,953			
6/30/2013	2,242,221	2,309,740	2,304,293	2,348,122	2,374,022	2,245,121	2,232,621				
6/30/2014	2,131,391	2,450,537	2,573,715	2,736,166	2,681,274	2,771,274					
6/30/2015	1,770,551	2,262,122	2,203,210	2,282,965	2,324,034						
6/30/2016	1,939,513	2,188,391	2,362,454	2,314,396							
6/30/2017	2,478,395	2,606,366	2,716,338								
6/30/2018	2,441,673	3,021,689									
6/30/2019	2,910,766										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	2,657,027	2,657,027	2,744,852	2,754,301	2,858,370	2,858,370	2,858,370	2,858,370	2,858,370		
6/30/2001	2,954,221	2,954,221	2,954,221	2,954,221	2,954,221	2,954,221	2,954,221	2,954,221			
6/30/2002	2,917,236	2,960,018	2,960,018	2,960,018	2,960,018	2,960,018	2,960,018				
6/30/2003	2,650,803	2,650,803	2,625,803	2,625,803	2,625,803	2,625,803					
6/30/2004	2,733,117	2,733,117	2,733,117	2,733,117	2,733,117						
6/30/2005	1,955,836	1,955,836	1,955,836	1,955,836							
6/30/2006	1,834,165	1,834,165	1,834,165								
6/30/2007	2,372,439	2,372,439									
6/30/2008	2,388,529										

PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
FULL COVERAGE
TENNESSEE

PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

	Link Ratios										
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.218	1.024	1.014	0.979	0.951	1.016	1.012	1.000	0.937	1.000	1.000
6/30/2001	1.198	1.218	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	1.048	0.993	1.008	0.980	1.000	1.036	1.012
6/30/2003	1.217	0.962	1.119	1.017	0.995	0.998	0.968	1.000	1.009	1.000	1.000
6/30/2004	1.048	1.051	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	1.000
6/30/2006	1.000	0.931	0.958	1.005	1.000	1.002	1.000	0.999	1.000	1.000	1.000
6/30/2007	0.960	0.990	0.955	1.011	0.989	1.038	1.003	1.000	1.000	1.000	1.000
6/30/2008	1.011	1.031	0.936	0.992	1.010	1.007	0.987	1.000	1.000	1.000	1.000
6/30/2009	1.042	0.976	1.009	1.025	1.015	1.005	1.000	0.992	0.992	1.000	
6/30/2010	0.982	0.934	0.985	1.054	1.003	1.007	1.011	0.983	0.999		
6/30/2011	1.007	1.047	1.028	0.997	1.010	1.000	1.005	1.021			
6/30/2012	1.043	0.975	1.005	1.020	0.985	0.999	1.000				
6/30/2013	1.030	0.998	1.019	1.011	0.946	0.994					
6/30/2014	1.150	1.050	1.063	0.980	1.034						
6/30/2015	1.278	0.974	1.036	1.018							
6/30/2016	1.128	1.080	0.980								
6/30/2017	1.052	1.042									
6/30/2018	1.238										
3 Yr Mean	1.139	1.032	1.026	1.003	0.988	0.998	1.005	0.999	0.997	1.000	1.000
Best 3/5	1.172	1.030	1.020	1.009	0.999	1.001	1.002	0.997	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			
6/30/2000	1.000	1.033	1.003	1.038	1.000	1.000	1.000	1.000			
6/30/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *			
6/30/2002	1.015	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	1.000								
6/30/2006	1.000	1.000									
6/30/2007	1.000										
3 Yr Mean	1.000	1.000	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

	Development From										
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					0.999	1.001	1.002	0.997	1.000	1.000	1.000
6/30/2016				1.009	0.999	1.001	1.002	0.997	1.000	1.000	1.000
6/30/2017			1.020	1.009	0.999	1.001	1.002	0.997	1.000	1.000	1.000
6/30/2018		1.030	1.020	1.009	0.999	1.001	1.002	0.997	1.000	1.000	1.000
6/30/2019	1.172	1.030	1.020	1.009	0.999	1.001	1.002	0.997	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
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.999
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.008
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.028
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.059
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.241

* 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

<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>
6/30/2000	258,704	304,732	365,384	367,449	304,080	299,811	373,858	333,721	332,613	346,819	339,170
6/30/2001	75,284	197,386	506,571	854,430	1,177,197	1,111,979	1,135,313	1,121,088	1,115,020	1,115,020	1,115,020
6/30/2002	263,871	323,240	383,068	508,918	588,810	688,090	834,133	848,813	907,914	928,343	1,017,681
6/30/2003	152,266	243,095	413,475	592,205	1,128,083	1,130,857	1,133,834	1,144,943	1,146,690	1,146,812	1,160,608
6/30/2004	184,010	306,949	441,489	474,854	509,252	544,736	550,834	562,317	564,869	566,057	566,057
6/30/2005	182,165	250,928	332,235	481,198	547,869	561,720	554,219	567,607	569,857	568,986	568,986
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	438,207	440,267	471,516	470,482	470,482	470,440
6/30/2008	316,123	681,873	875,549	777,403	896,611	913,600	967,682	970,413	976,576	979,804	997,258
6/30/2009	106,773	216,992	280,728	373,064	620,260	636,852	629,978	631,780	635,151	635,151	635,151
6/30/2010	142,540	207,158	282,224	303,529	326,723	356,423	390,891	413,068	467,984	468,819	
6/30/2011	103,497	302,342	347,043	427,611	429,175	453,225	460,766	460,766	469,728		
6/30/2012	159,256	303,507	563,699	659,909	706,992	738,059	737,991	737,991			
6/30/2013	236,855	411,694	482,114	1,196,515	1,873,633	2,050,515	2,081,708				
6/30/2014	158,975	277,319	371,078	1,057,683	2,591,301	3,687,944					
6/30/2015	117,943	224,596	358,863	426,934	531,382						
6/30/2016	227,565	216,029	344,497	364,408							
6/30/2017	167,929	541,241	707,616								
6/30/2018	199,118	283,112									
6/30/2019	364,299										

<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>
6/30/2000	341,893	341,893	341,893	341,893	341,893	341,893	341,893	341,893	341,893
6/30/2001	1,115,020	1,115,020	1,115,020	1,115,020	1,115,020	1,115,020	1,115,020	1,115,020	
6/30/2002	1,037,834	1,042,596	1,054,816	1,071,884	1,077,682	1,091,712	1,113,323		
6/30/2003	1,161,649	1,162,087	1,162,198	1,162,198	1,162,198	1,162,198			
6/30/2004	566,057	566,057	566,057	566,057	566,057				
6/30/2005	568,986	568,986	588,096	588,096					
6/30/2006	354,875	354,875	354,875						
6/30/2007	470,440	470,440							
6/30/2008	1,000,702								

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

	Increments												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	46,028	60,652	2,065	-63,369	-4,269	74,047	-40,137	-1,108	14,206	-7,649	2,723	0	0
6/30/2001	122,102	309,185	347,859	322,767	-65,218	23,334	-14,225	-6,068	0	0	0	0	0
6/30/2002	59,369	59,828	125,850	79,892	99,280	146,043	14,680	59,101	20,429	89,338	20,153	4,762	12,220
6/30/2003	90,829	170,380	178,730	535,878	2,774	2,977	11,109	1,747	122	13,796	1,041	438	111
6/30/2004	122,939	134,540	33,365	34,398	35,484	6,098	11,483	2,552	1,188	0	0	0	0
6/30/2005	68,763	81,307	148,963	66,671	13,851	-7,501	13,388	2,250	-871	0	0	0	19,110
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	35,328	2,060	31,249	-1,034	0	-42	0	0	0
6/30/2008	365,750	193,676	-98,146	119,208	16,989	54,082	2,731	6,163	3,228	17,454	3,444		
6/30/2009	110,219	63,736	92,336	247,196	16,592	-6,874	1,802	3,371	0	0			
6/30/2010	64,618	75,066	21,305	23,194	29,700	34,468	22,177	54,916	835				
6/30/2011	198,845	44,701	80,568	1,564	24,050	7,541	0	8,962					
6/30/2012	144,251	260,192	96,210	47,083	31,067	-68	0						
6/30/2013	174,839	70,420	714,401	677,118	176,882	31,193							
6/30/2014	118,344	93,759	686,605	1,533,618	1,096,643								
6/30/2015	106,653	134,267	68,071	104,448									
6/30/2016	-11,536	128,468	19,911										
6/30/2017	373,312	166,375											
6/30/2018	83,994												

	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
6/30/2000	0.0123	0.0162	0.0006	-0.0170	-0.0011	0.0198	-0.0107	-0.0003	0.0038	-0.0020	0.0007	0.0000	0.0000
6/30/2001	0.0360	0.0911	0.1025	0.0951	-0.0192	0.0069	-0.0042	-0.0018	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.0145	0.0147	0.0308	0.0196	0.0243	0.0358	0.0036	0.0145	0.0050	0.0219	0.0049	0.0012	0.0030
6/30/2003	0.0253	0.0475	0.0499	0.1495	0.0008	0.0008	0.0031	0.0005	0.0000	0.0038	0.0003	0.0001	0.0000
6/30/2004	0.0391	0.0428	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	0.0289	0.0341	0.0625	0.0280	0.0058	-0.0031	0.0056	0.0009	-0.0004	0.0000	0.0000	0.0000	0.0080
6/30/2006	0.0496	0.0371	0.0158	0.0014	0.0020	0.0047	0.0000	-0.0014	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2007	0.0169	0.0214	0.0250	0.0301	0.0110	0.0006	0.0097	-0.0003	0.0000	0.0000	0.0000	0.0000	
6/30/2008	0.1019	0.0539	-0.0273	0.0332	0.0047	0.0151	0.0008	0.0017	0.0009	0.0049	0.0010		
6/30/2009	0.0350	0.0202	0.0293	0.0785	0.0053	-0.0022	0.0006	0.0011	0.0000	0.0000			
6/30/2010	0.0208	0.0241	0.0068	0.0075	0.0095	0.0111	0.0071	0.0176	0.0003				
6/30/2011	0.0601	0.0135	0.0244	0.0005	0.0073	0.0023	0.0000	0.0027					
6/30/2012	0.0573	0.1033	0.0382	0.0187	0.0123	0.0000	0.0000						
6/30/2013	0.0735	0.0296	0.3001	0.2845	0.0743	0.0131							
6/30/2014	0.0368	0.0291	0.2133	0.4763	0.3406								
6/30/2015	0.0392	0.0494	0.0250	0.0384									
6/30/2016	-0.0043	0.0481	0.0074										
6/30/2017	0.1000	0.0446											
6/30/2018	0.0217												

Best 3/5	0.0326	0.0407	0.0922	0.1139	0.0321	0.0044	0.0004	0.0018	0.0001	0.0000	0.0000	0.0000	0.0010
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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
6/30/2000	3,427,339	3,968,930	4,019,176	3,769,927	3,586,953	3,671,463	3,784,990	3,784,990	3,801,380	3,701,380	3,701,380
6/30/2001	3,647,133	3,796,502	4,415,154	4,114,471	4,348,428	4,279,907	4,307,653	4,279,907	4,279,907	4,279,907	4,279,494
6/30/2002	3,164,252	4,162,427	4,704,407	4,639,948	4,630,692	4,535,012	4,436,009	4,472,509	4,496,097	4,491,150	4,491,150
6/30/2003	3,742,884	4,227,762	4,994,467	5,001,226	4,824,245	4,746,875	4,510,823	4,450,732	4,475,367	4,414,200	4,414,200
6/30/2004	4,350,277	4,981,649	5,089,685	4,780,992	4,744,957	4,670,191	4,653,211	4,661,418	4,663,418	4,663,418	4,663,418
6/30/2005	4,874,873	5,581,164	5,754,872	5,314,895	5,123,475	5,085,761	5,045,761	5,045,762	5,045,761	5,025,761	5,010,761
6/30/2006	4,005,733	4,580,747	4,262,982	4,164,907	3,884,920	3,849,670	3,753,147	3,750,794	3,750,794	3,750,794	3,805,794
6/30/2007	5,280,377	5,590,054	5,404,899	5,186,138	5,167,599	5,170,683	5,140,233	5,031,233	4,981,233	5,004,653	5,004,653
6/30/2008	5,506,801	6,410,599	6,996,634	6,837,285	6,290,012	6,063,872	6,066,602	6,051,947	6,051,947	6,051,947	6,051,947
6/30/2009	6,032,798	7,278,346	6,956,096	6,746,784	6,458,748	6,525,034	6,450,534	6,359,534	6,312,034	6,312,034	6,312,034
6/30/2010	6,824,639	7,486,188	7,142,984	6,953,720	6,781,003	6,510,057	6,499,894	6,389,144	6,366,387	6,255,387	
6/30/2011	6,209,251	8,533,018	8,084,366	8,061,132	7,763,955	7,840,394	7,834,113	7,708,384	7,687,678		
6/30/2012	5,567,017	6,793,402	5,954,792	5,280,415	5,259,967	5,251,406	5,329,634	5,329,634			
6/30/2013	5,077,179	6,371,265	6,209,417	5,879,253	5,810,691	5,878,651	5,808,564				
6/30/2014	5,044,457	5,786,484	5,993,507	5,541,010	5,404,215	5,425,033					
6/30/2015	4,921,469	6,309,803	6,827,098	6,278,800	6,431,158						
6/30/2016	5,123,143	6,884,193	6,673,002	6,629,421							
6/30/2017	5,372,015	6,576,600	6,303,300								
6/30/2018	5,348,089	7,293,413									
6/30/2019	5,262,331										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	3,701,380	3,701,380	3,701,380	3,701,380	3,701,380	3,701,380	3,701,380	3,701,380	3,701,380		
6/30/2001	4,279,494	4,279,494	4,279,494	4,279,494	4,279,494	4,279,494	4,279,494	4,279,494			
6/30/2002	4,491,150	4,491,150	4,491,150	4,491,150	4,491,150	4,491,150	4,491,150				
6/30/2003	4,414,200	4,414,200	4,414,200	4,414,200	4,414,200	4,414,200					
6/30/2004	4,663,418	4,663,418	4,663,418	4,663,418	4,663,418						
6/30/2005	4,990,762	4,990,761	4,990,761	4,990,761							
6/30/2006	3,757,794	3,757,794	3,757,794								
6/30/2007	5,004,653	5,004,653									
6/30/2008	6,051,947										

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

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
6/30/2000	1.158	1.013	0.938	0.951	1.024	1.031	1.000	1.004	0.974	1.000	1.000
6/30/2001	1.041	1.163	0.932	1.057	0.984	1.006	0.994	1.000	1.000	1.000	1.000
6/30/2002	1.315	1.130	0.986	0.998	0.979	0.978	1.008	1.005	0.999	1.000	1.000
6/30/2003	1.130	1.181	1.001	0.965	0.984	0.950	0.987	1.006	0.986	1.000	1.000
6/30/2004	1.145	1.022	0.939	0.992	0.984	0.996	1.002	1.000	1.000	1.000	1.000
6/30/2005	1.145	1.031	0.924	0.964	0.993	0.992	1.000	1.000	0.996	0.997	0.996
6/30/2006	1.144	0.931	0.977	0.933	0.991	0.975	0.999	1.000	1.000	1.015	0.987
6/30/2007	1.059	0.967	0.960	0.996	1.001	0.994	0.979	0.990	1.005	1.000	1.000
6/30/2008	1.164	1.091	0.977	0.920	0.964	1.000	0.998	1.000	1.000	1.000	1.000
6/30/2009	1.206	0.956	0.970	0.957	1.010	0.989	0.986	0.993	1.000	1.000	
6/30/2010	1.097	0.954	0.974	0.975	0.960	0.998	0.983	0.996	0.983		
6/30/2011	1.374	0.947	0.997	0.963	1.010	0.999	0.984	0.997			
6/30/2012	1.220	0.877	0.887	0.996	0.998	1.015	1.000				
6/30/2013	1.255	0.975	0.947	0.988	1.012	0.988					
6/30/2014	1.147	1.036	0.925	0.975	1.004						
6/30/2015	1.282	1.082	0.920	1.024							
6/30/2016	1.344	0.969	0.993								
6/30/2017	1.224	0.958									
6/30/2018	1.364										

3 Yr Mean 1.311 1.003 0.946 0.996 1.005 1.001 0.989 0.995 0.994 1.000 0.996

Best 3/5 1.283 0.993 0.931 0.986 1.004 0.995 0.989 0.995 1.000 1.000 0.999

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
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					
6/30/2006	1.000	1.000						
6/30/2007	1.000							

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

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					1.004	0.995	0.989	0.995	1.000	1.000	0.999
6/30/2016				0.986	1.004	0.995	0.989	0.995	1.000	1.000	0.999
6/30/2017			0.931	0.986	1.004	0.995	0.989	0.995	1.000	1.000	0.999
6/30/2018		0.993	0.931	0.986	1.004	0.995	0.989	0.995	1.000	1.000	0.999
6/30/2019	1.283	0.993	0.931	0.986	1.004	0.995	0.989	0.995	1.000	1.000	0.999

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.982
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.968
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.902
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.895
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.149

* 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>
6/30/2000	451,847	889,244	985,634	978,968	1,090,188	1,123,125	1,172,974	1,229,883	1,262,199	1,196,518	1,196,518
6/30/2001	369,709	687,699	1,190,671	1,470,863	1,460,012	1,503,169	1,521,604	1,537,373	1,538,169	1,538,489	1,538,489
6/30/2002	334,837	978,323	1,225,300	1,279,094	1,542,375	1,612,428	1,559,833	1,499,547	1,515,112	1,493,898	1,493,898
6/30/2003	379,250	1,189,142	1,556,046	2,335,456	2,785,111	2,826,353	2,476,934	2,497,174	2,487,086	2,498,806	2,498,806
6/30/2004	455,912	818,189	1,402,843	1,436,146	1,594,332	1,590,999	1,601,402	1,650,794	1,656,038	1,659,006	1,659,006
6/30/2005	313,178	1,040,983	1,681,945	2,022,891	2,372,061	2,679,435	2,780,277	2,782,537	2,782,537	2,802,543	2,801,955
6/30/2006	271,544	902,535	1,141,545	1,206,991	1,192,638	1,224,602	1,398,306	1,369,923	1,369,923	1,369,923	1,369,923
6/30/2007	171,366	737,564	1,062,457	1,199,198	1,266,075	1,332,260	1,339,025	1,441,329	1,496,118	1,475,878	1,475,950
6/30/2008	318,865	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	415,582	1,671,388	2,266,362	2,654,685	2,847,256	2,869,303	3,026,642	3,032,254	3,058,256	3,059,235	3,059,235
6/30/2010	905,204	1,755,917	3,294,479	4,107,183	3,855,707	4,016,759	3,869,457	4,045,250	4,103,856	4,117,270	
6/30/2011	661,370	1,741,109	2,139,954	2,338,512	2,429,485	2,468,860	2,538,885	2,531,346	2,531,416		
6/30/2012	694,589	1,873,574	1,932,756	2,079,468	2,103,945	2,157,425	2,190,663	2,208,536			
6/30/2013	1,828,382	2,805,787	2,981,254	3,408,462	3,549,354	3,756,999	3,855,860				
6/30/2014	632,794	1,589,170	2,131,323	2,474,846	2,574,180	2,551,442					
6/30/2015	629,743	1,691,692	2,401,778	2,803,696	2,750,663						
6/30/2016	350,039	1,392,232	2,636,004	3,229,196							
6/30/2017	794,106	1,987,031	3,545,572								
6/30/2018	414,763	1,406,042									
6/30/2019	537,059										

<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>
6/30/2000	1,196,518	1,196,518	1,196,518	1,196,518	1,196,518	1,196,518	1,196,518	1,196,518	1,196,518
6/30/2001	1,538,489	1,538,489	1,538,489	1,538,489	1,538,489	1,538,489	1,538,489	1,538,489	
6/30/2002	1,493,898	1,493,898	1,493,898	1,493,898	1,493,898	1,493,898	1,493,898		
6/30/2003	2,498,806	2,499,054	2,499,054	2,499,054	2,499,054	2,499,054			
6/30/2004	1,659,006	1,659,006	1,659,006	1,659,006	1,659,006				
6/30/2005	2,802,800	2,792,179	2,792,179	2,792,179					
6/30/2006	1,369,923	1,369,923	1,369,923						
6/30/2007	1,476,810	1,476,458							
6/30/2008	3,220,818								

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

	Increments												
A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2000	437,397	96,390	-6,666	111,220	32,937	49,849	56,909	32,316	-65,681	0	0	0	0
6/30/2001	317,990	502,972	280,192	-10,851	43,157	18,435	15,769	796	320	0	0	0	0
6/30/2002	643,486	246,977	53,794	263,281	70,053	-52,595	-60,286	15,565	-21,214	0	0	0	0
6/30/2003	809,892	366,904	779,410	449,655	41,242	-349,419	20,240	-10,088	11,720	0	0	248	0
6/30/2004	362,277	584,654	33,303	158,186	-3,333	10,403	49,392	5,244	2,968	0	0	0	0
6/30/2005	727,805	640,962	340,946	349,170	307,374	100,842	2,260	0	20,006	-588	845	-10,621	0
6/30/2006	630,991	239,010	65,446	-14,353	31,964	173,704	-28,383	0	0	0	0	0	0
6/30/2007	566,198	324,893	136,741	66,877	66,185	6,765	102,304	54,789	-20,240	72	860	-352	
6/30/2008	738,712	999,212	1,054,082	64,313	8,289	19,836	17,490	19	0	0	0		
6/30/2009	1,255,806	594,974	388,323	192,571	22,047	157,339	5,612	26,002	979	0			
6/30/2010	850,713	1,538,562	812,704	-251,476	161,052	-147,302	175,793	58,606	13,414				
6/30/2011	1,079,739	398,845	198,558	90,973	39,375	70,025	-7,539	70					
6/30/2012	1,178,985	59,182	146,712	24,477	53,480	33,238	17,873						
6/30/2013	977,405	175,467	427,208	140,892	207,645	98,861							
6/30/2014	956,376	542,153	343,523	99,334	-22,738								
6/30/2015	1,061,949	710,086	401,918	-53,033									
6/30/2016	1,042,193	1,243,772	593,192										
6/30/2017	1,192,925	1,558,541											
6/30/2018	991,279												

	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>
6/30/2000	0.0924	0.0204	-0.0014	0.0235	0.0070	0.0105	0.0120	0.0068	-0.0139	0.0000	0.0000	0.0000	0.0000
6/30/2001	0.0534	0.0845	0.0471	-0.0018	0.0073	0.0031	0.0027	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.0913	0.0350	0.0076	0.0374	0.0099	-0.0075	-0.0086	0.0022	-0.0030	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.1440	0.0652	0.1386	0.0799	0.0073	-0.0621	0.0036	-0.0018	0.0021	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.0541	0.0874	0.0050	0.0236	-0.0005	0.0016	0.0074	0.0008	0.0004	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.1036	0.0912	0.0485	0.0497	0.0437	0.0144	0.0003	0.0000	0.0028	-0.0001	0.0001	-0.0015	0.0000
6/30/2006	0.1359	0.0515	0.0141	-0.0031	0.0069	0.0374	-0.0061	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2007	0.0873	0.0501	0.0211	0.0103	0.0102	0.0010	0.0158	0.0084	-0.0031	0.0000	0.0001	-0.0001	
6/30/2008	0.0881	0.1192	0.1258	0.0077	0.0010	0.0024	0.0021	0.0000	0.0000	0.0000	0.0000		
6/30/2009	0.1451	0.0687	0.0449	0.0222	0.0025	0.0182	0.0006	0.0030	0.0001	0.0000			
6/30/2010	0.0912	0.1650	0.0872	-0.0270	0.0173	-0.0158	0.0189	0.0063	0.0014				
6/30/2011	0.1087	0.0401	0.0200	0.0092	0.0040	0.0070	-0.0008	0.0000					
6/30/2012	0.1805	0.0091	0.0225	0.0037	0.0082	0.0051	0.0027						
6/30/2013	0.1043	0.0187	0.0456	0.0150	0.0221	0.0105							
6/30/2014	0.1064	0.0603	0.0382	0.0111	-0.0025								
6/30/2015	0.1133	0.0757	0.0429	-0.0057									
6/30/2016	0.1060	0.1264	0.0603										
6/30/2017	0.1314	0.1717											
6/30/2018	0.0993												

Best 3/5	0.1085	0.0875	0.0422	0.0080	0.0098	0.0076	0.0018	0.0031	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
6/30/2000	723,343	724,565	760,820	752,860	778,021	698,763	690,086	628,223	628,223	628,223	628,223
6/30/2001	643,855	577,097	527,884	583,483	707,308	629,158	629,158	629,158	629,158	617,158	642,158
6/30/2002	617,392	746,102	730,602	713,338	761,334	760,756	736,901	736,901	736,782	734,037	734,037
6/30/2003	487,337	511,604	422,104	450,983	440,908	440,908	440,908	443,408	440,908	440,908	440,908
6/30/2004	461,888	569,848	722,487	759,902	689,403	734,403	759,503	759,403	759,403	771,082	771,082
6/30/2005	438,669	502,449	512,299	551,495	496,071	534,954	455,903	458,403	455,903	456,849	456,849
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	
6/30/2011	846,364	788,058	809,138	725,373	829,470	904,470	906,970	906,970	908,870		
6/30/2012	690,757	577,511	636,639	678,686	681,086	591,086	586,086	586,086			
6/30/2013	659,441	640,308	629,182	592,082	616,445	616,445	616,445				
6/30/2014	496,181	564,315	407,543	403,043	403,043						
6/30/2015	710,629	668,031	742,444	728,345	746,470						
6/30/2016	552,872	540,281	588,885	586,935							
6/30/2017	659,187	707,219	648,665								
6/30/2018	498,538	564,656									
6/30/2019	543,217										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	628,223	628,223	628,223	628,223	628,223	628,223	628,223	628,223	628,223
6/30/2001	632,158	632,158	632,158	632,158	632,158	632,158	632,158	632,158	
6/30/2002	734,037	734,037	734,037	734,037	734,037	734,037	734,037		
6/30/2003	440,908	440,908	440,908	440,908	440,908	440,908			
6/30/2004	771,082	771,082	771,082	771,082	771,082				
6/30/2005	531,849	531,849	531,849	531,849					
6/30/2006	343,086	343,086	343,086						
6/30/2007	414,945	414,945							
6/30/2008	415,764								

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

PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

	Link Ratios										
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.002	1.050	0.990	1.033	0.898	0.988	0.910	1.000	1.000	1.000	1.000
6/30/2001	0.896	0.915	1.105	1.212	0.890	1.000	1.000	1.000	0.981	1.041	0.984
6/30/2002	1.208	0.979	0.976	1.067	0.999	0.969	1.000	1.000	0.996	1.000	1.000
6/30/2003	1.050	0.825	1.068	0.978	1.000	1.000	1.006	0.994	1.000	1.000	1.000
6/30/2004	1.234	1.268	1.052	0.907	1.065	1.034	1.000	1.000	1.015	1.000	1.000
6/30/2005	1.145	1.020	1.077	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	1.079	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	0.931	1.027	0.896	1.144	1.090	1.003	1.000	1.002			
6/30/2012	0.836	1.102	1.066	1.004	0.868	0.992	1.000				
6/30/2013	0.971	0.983	0.941	1.041	1.000	1.000					
6/30/2014	1.137	0.722	0.989	1.000	1.000						
6/30/2015	0.940	1.111	0.981	1.025							
6/30/2016	0.977	1.090	0.997								
6/30/2017	1.073	0.917									
6/30/2018	1.133										
3 Yr Mean	1.061	1.039	0.989	1.022	0.956	0.998	1.000	1.001	1.000	1.000	1.000
Best 3/5	1.061	0.997	0.989	1.023	1.000	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			
6/30/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
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								
6/30/2006	1.000	1.000									
6/30/2007	1.000										
3 Yr Mean	1.000	1.000	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

	Development From										
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2016				1.023	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2017			0.989	1.023	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2018		0.997	0.989	1.023	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2019	1.061	0.997	0.989	1.023	1.000	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
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.000
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.023
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.012
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.009
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.070

* 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>
6/30/2000	69,531	108,607	136,531	157,457	201,078	215,703	228,735	314,404	314,404	314,404	314,404
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	74,675	254,265	191,828	202,604	194,880	178,486	193,486	193,486	192,682	181,003	181,003
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	
6/30/2011	38,328	136,442	123,613	202,862	303,173	341,881	315,745	296,151	296,151		
6/30/2012	101,368	86,605	105,039	143,440	145,380	162,035	158,382	161,381			
6/30/2013	51,384	69,610	84,731	73,969	71,059	71,059	71,059				
6/30/2014	54,412	246,502	179,850	175,080	175,080	179,155					
6/30/2015	13,586	56,850	93,705	114,419	146,786						
6/30/2016	80,782	131,304	227,094	273,341							
6/30/2017	36,183	59,424	81,536								
6/30/2018	72,174	109,830									
6/30/2019	62,014										

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>
6/30/2000	314,404	314,404	314,404	314,404	314,404	314,404	314,404	314,404	314,404
6/30/2001	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		
6/30/2003	102,482	102,482	102,482	102,482	102,482	102,482			
6/30/2004	181,003	181,003	181,003	181,003	181,003				
6/30/2005	409,583	432,643	432,643	432,643					
6/30/2006	75,789	75,789	75,789						
6/30/2007	524,442	524,442							
6/30/2008	255,558								

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

A.Y.E.	27: 15	39: 27	51: 39	Increments									
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2000	39,076	27,924	20,926	43,621	14,625	13,032	85,669	0	0	0	0	0	0
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	-7,724	-16,394	15,000	0	-804	-11,679	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	0	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		
6/30/2009	6,201	13,380	819	50,000	27,908	0	0	0	0	0			
6/30/2010	136,090	173,291	43,132	-6,294	850	0	0	0	0				
6/30/2011	98,114	-12,829	79,249	100,311	38,708	-26,136	-19,594	0					
6/30/2012	-14,763	18,434	38,401	1,940	16,655	-3,653	2,999						
6/30/2013	18,226	15,121	-10,762	-2,910	0	0							
6/30/2014	192,090	-66,652	-4,770	0	4,075								
6/30/2015	43,264	36,855	20,714	32,367									
6/30/2016	50,522	95,790	46,247										
6/30/2017	23,241	22,112											
6/30/2018	37,656												

	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>
6/30/2000	0.0622	0.0444	0.0333	0.0694	0.0233	0.0207	0.1364	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2001	0.0253	0.0663	0.0706	0.0905	0.0084	0.0034	0.1231	0.0034	0.0029	0.0273	-0.0215	0.0000	0.0000
6/30/2002	0.0810	0.0276	0.0800	0.0112	0.0033	0.0082	-0.0027	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.0424	0.0254	0.0291	0.0330	0.0000	0.0000	0.0321	-0.0321	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.2054	-0.0714	0.0123	-0.0088	-0.0187	0.0172	0.0000	-0.0009	-0.0134	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0278	0.0719	0.1589	-0.0094	0.0871	0.0427	0.0673	-0.0032	0.0050	0.0464	0.0168	0.0313	0.0000
6/30/2006	-0.1402	0.0253	0.0436	-0.0202	0.0059	0.0042	0.0428	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2007	0.3157	0.1148	0.0592	0.0035	0.0202	0.0259	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2008	0.0438	0.0093	0.0428	0.1138	0.0465	0.0842	0.0866	0.0850	0.0101	0.0099	0.0070		
6/30/2009	0.0159	0.0343	0.0021	0.1282	0.0716	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				
6/30/2011	0.0718	-0.0094	0.0580	0.0734	0.0283	-0.0191	-0.0143	0.0000					
6/30/2012	-0.0212	0.0264	0.0550	0.0028	0.0239	-0.0052	0.0043						
6/30/2013	0.0218	0.0181	-0.0129	-0.0035	0.0000	0.0000							
6/30/2014	0.4627	-0.1606	-0.0115	0.0000	0.0098								
6/30/2015	0.0557	0.0474	0.0267	0.0417									
6/30/2016	0.0811	0.1537	0.0742										
6/30/2017	0.0316	0.0301											
6/30/2018	0.0593												

Best 3/5	0.0653	0.0319	0.0234	0.0148	0.0117	-0.0017	0.0014	0.0000	0.0000	0.0033	0.0023	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)
 MANUFACTURERS AND CONTRACTORS
 FULL COVERAGE
 MULTISTATE
 BODILY INJURY - OCCURRENCE
 INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:												
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	
6/30/2000	59,418,355	92,903,542	135,796,146	152,864,283	159,182,471	158,650,099	158,009,893	156,943,675	156,234,483	155,902,671	155,525,041	
6/30/2001	53,942,975	115,086,326	156,563,678	172,700,484	177,528,610	173,046,472	170,084,863	169,016,832	168,539,391	168,606,388	168,200,263	
6/30/2002	53,305,747	92,050,593	121,580,952	137,321,130	136,967,410	133,795,667	131,946,076	130,942,906	130,978,819	130,756,193	131,065,569	
6/30/2003	55,794,240	90,725,178	123,844,045	135,582,193	133,530,278	130,494,948	129,707,971	128,839,604	128,181,122	128,097,281	127,646,370	
6/30/2004	61,340,533	99,705,886	134,005,325	140,743,005	137,354,027	135,520,727	133,241,038	132,229,061	131,880,632	132,112,019	132,041,196	
6/30/2005	57,051,057	93,258,986	121,003,683	129,164,144	126,488,147	123,092,920	121,631,180	121,195,833	120,865,278	121,029,182	121,080,246	
6/30/2006	62,654,103	95,361,286	118,898,942	124,209,042	122,190,344	121,149,378	121,851,932	121,863,620	121,031,125	120,631,780	120,166,823	
6/30/2007	61,740,867	92,737,953	117,457,266	123,026,771	122,536,782	122,081,714	120,948,570	120,974,563	120,928,133	120,629,781	120,776,599	
6/30/2008	66,491,366	100,195,750	128,927,650	135,608,709	134,368,465	133,292,331	133,369,930	132,704,905	132,385,690	132,356,027	132,516,112	
6/30/2009	64,834,643	102,855,362	125,697,635	136,464,284	135,754,710	134,773,903	134,291,961	133,634,051	133,075,824	132,882,288	133,211,412	
6/30/2010	70,335,191	100,246,918	128,277,696	134,834,062	135,786,003	133,812,375	133,263,616	133,604,246	133,850,283	133,670,033		
6/30/2011	70,377,147	110,002,473	136,697,587	148,534,284	146,720,247	144,374,214	144,392,721	144,062,873	143,961,944			
6/30/2012	64,887,463	96,605,360	122,813,008	129,621,313	129,387,677	129,210,121	129,618,314	129,436,208				
6/30/2013	57,311,212	93,947,144	113,245,564	119,790,249	122,453,655	122,378,634	122,093,654					
6/30/2014	68,897,094	102,946,796	135,111,352	147,944,125	146,301,092	145,867,281						
6/30/2015	58,090,373	92,302,966	125,304,935	133,208,386	134,614,821							
6/30/2016	50,703,388	85,059,403	113,941,957	125,265,606								
6/30/2017	58,732,971	89,429,211	119,620,179									
6/30/2018	60,067,530	99,512,710										
6/30/2019	59,345,793											

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	155,458,479	155,364,375	155,435,839	155,607,307	155,555,602	155,644,751	155,701,139	155,763,405	155,926,674
6/30/2001	168,378,540	168,375,963	168,532,290	168,454,710	168,184,913	168,307,805	168,039,389	168,047,889	
6/30/2002	130,581,907	130,634,441	130,443,570	130,414,208	130,430,599	130,421,165	130,593,721		
6/30/2003	127,962,820	127,772,701	127,532,091	127,502,388	127,452,380	127,655,879			
6/30/2004	132,237,027	132,217,469	132,299,333	132,294,548	132,482,658				
6/30/2005	121,224,244	121,209,442	121,203,919	121,207,415					
6/30/2006	120,257,319	120,761,708	120,721,599						
6/30/2007	120,661,954	120,822,791							
6/30/2008	132,632,299								

PREMISES/OPERATIONS (Subline Code 334)
 MANUFACTURERS AND CONTRACTORS
 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
6/30/2000	1.564	1.462	1.126	1.041	0.997	0.996	0.993	0.995	0.998	0.998	1.000
6/30/2001	2.133	1.360	1.103	1.028	0.975	0.983	0.994	0.997	1.000	0.998	1.001
6/30/2002	1.727	1.321	1.129	0.997	0.977	0.986	0.992	1.000	0.998	1.002	0.996
6/30/2003	1.626	1.365	1.095	0.985	0.977	0.994	0.993	0.995	0.999	0.996	1.002
6/30/2004	1.625	1.344	1.050	0.976	0.987	0.983	0.992	0.997	1.002	0.999	1.001
6/30/2005	1.635	1.298	1.067	0.979	0.973	0.988	0.996	0.997	1.001	1.000	1.001
6/30/2006	1.522	1.247	1.045	0.984	0.991	1.006	1.000	0.993	0.997	0.996	1.001
6/30/2007	1.502	1.267	1.047	0.996	0.996	0.991	1.000	1.000	0.998	1.001	0.999
6/30/2008	1.507	1.287	1.052	0.991	0.992	1.001	0.995	0.998	1.000	1.001	1.001
6/30/2009	1.586	1.222	1.086	0.995	0.993	0.996	0.995	0.996	0.999	1.002	
6/30/2010	1.425	1.280	1.051	1.007	0.985	0.996	1.003	1.002	0.999		
6/30/2011	1.563	1.243	1.087	0.988	0.984	1.000	0.998	0.999			
6/30/2012	1.489	1.271	1.055	0.998	0.999	1.003	0.999				
6/30/2013	1.639	1.205	1.058	1.022	0.999	0.998					
6/30/2014	1.494	1.312	1.095	0.989	0.997						
6/30/2015	1.589	1.358	1.063	1.011							
6/30/2016	1.678	1.340	1.099								
6/30/2017	1.523	1.338									
6/30/2018	1.657										
3 Yr Mean	1.619	1.345	1.086	1.007	0.998	1.000	1.000	0.999	0.999	1.001	1.000
Best 3/5	1.590	1.330	1.072	0.999	0.994	0.998	0.997	0.999	0.999	1.001	1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2000	0.999	1.000	1.001	1.000	1.001	1.000	1.000	1.001			
6/30/2001	1.000	1.001	1.000	0.998	1.001	0.998	1.000	1.001 *			
6/30/2002	1.000	0.999	1.000	1.000	1.000	1.001	1.001 *	1.001 *			
6/30/2003	0.999	0.998	1.000	1.000	1.002	1.001 *	1.001 *	1.001 *			
6/30/2004	1.000	1.001	1.000	1.001	1.000 *	1.001 *	1.001 *	1.001 *			
6/30/2005	1.000	1.000	1.000								
6/30/2006	1.004	1.000									
6/30/2007	1.001										
3 Yr Mean	1.002	1.000	1.000	1.000	1.001 @	1.000 @	1.000 @	1.001 @			
Best 3/5	1.000	1.000	1.000	1.000	1.001 *	1.001 *	1.001 *	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
6/30/2015					0.994	0.998	0.997	0.999	0.999	1.001	1.001
6/30/2016				0.999	0.994	0.998	0.997	0.999	0.999	1.001	1.001
6/30/2017			1.072	0.999	0.994	0.998	0.997	0.999	0.999	1.001	1.001
6/30/2018		1.330	1.072	0.999	0.994	0.998	0.997	0.999	0.999	1.001	1.001
6/30/2019	1.590	1.330	1.072	0.999	0.994	0.998	0.997	0.999	0.999	1.001	1.001

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
6/30/2015	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.004*	0.997
6/30/2016	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.004*	0.996
6/30/2017	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.004*	1.068
6/30/2018	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.004*	1.420
6/30/2019	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.004*	2.258

* 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
6/30/2000	3,941,351	8,127,499	13,489,871	16,670,703	13,604,966	13,791,475	15,135,878	14,367,545	14,191,684	14,233,595	14,052,787
6/30/2001	5,464,491	11,674,896	16,088,050	14,588,558	14,572,751	16,140,363	16,054,237	15,556,710	15,065,178	15,230,310	15,224,462
6/30/2002	5,373,405	10,452,744	13,793,654	15,494,172	15,228,496	15,685,777	14,907,996	15,303,966	14,956,095	15,142,704	15,260,094
6/30/2003	7,665,961	10,442,988	13,918,873	16,383,682	17,052,281	16,018,486	15,821,858	15,479,197	15,468,082	15,283,903	15,691,667
6/30/2004	6,823,508	11,858,280	15,565,208	18,268,194	17,007,661	17,268,751	16,062,622	16,599,207	16,321,870	16,560,908	16,458,238
6/30/2005	7,220,573	12,721,393	16,051,071	16,188,083	16,852,863	16,309,719	16,623,907	16,435,953	16,235,302	15,853,371	15,895,372
6/30/2006	9,325,349	13,883,299	18,547,968	20,126,620	18,918,103	19,237,253	19,476,197	19,248,710	19,229,497	19,082,381	19,239,809
6/30/2007	9,397,504	14,055,412	17,062,934	19,365,173	19,232,756	19,278,946	19,023,794	19,328,510	19,523,111	19,728,336	19,716,901
6/30/2008	11,276,209	15,182,735	19,028,527	20,959,111	21,431,256	20,478,270	20,926,084	20,888,721	20,962,308	20,887,644	20,886,071
6/30/2009	7,078,925	13,737,446	16,607,935	17,342,308	18,508,238	18,295,980	18,515,202	18,274,182	18,514,243	18,646,847	18,812,572
6/30/2010	10,375,187	14,437,696	17,282,575	18,977,518	19,583,440	20,085,579	19,851,581	19,484,941	19,510,868	19,383,868	
6/30/2011	10,692,117	15,791,104	19,399,035	20,786,308	20,682,382	20,780,637	20,892,769	20,673,618	20,622,805		
6/30/2012	8,478,543	14,954,825	19,581,809	20,930,848	21,117,127	21,071,379	21,279,052	21,306,068			
6/30/2013	8,753,818	15,015,028	16,912,388	18,939,284	19,008,857	19,041,920	18,887,546				
6/30/2014	11,103,666	17,321,357	21,063,342	24,173,231	25,243,405	25,509,918					
6/30/2015	9,065,196	15,976,345	21,912,934	25,400,823	25,507,779						
6/30/2016	9,031,618	14,427,489	21,604,143	23,439,341							
6/30/2017	10,134,706	15,883,364	21,357,202								
6/30/2018	12,079,521	19,638,997									
6/30/2019	9,390,308										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	14,101,933	14,192,333	14,174,834	14,179,829	14,174,829	14,081,329	14,081,329	14,118,829	14,081,330		
6/30/2001	15,121,324	15,341,604	15,364,508	15,325,308	15,322,807	15,325,807	15,328,308	15,425,308			
6/30/2002	15,840,417	15,884,346	15,980,006	16,094,407	15,955,735	16,003,235	16,000,235				
6/30/2003	15,874,835	15,931,302	15,927,133	15,878,132	15,935,632	15,935,632					
6/30/2004	16,455,910	16,519,410	16,519,410	16,617,000	16,617,000						
6/30/2005	15,860,795	15,635,162	15,712,662	15,712,662							
6/30/2006	19,373,011	19,397,709	19,397,710								
6/30/2007	19,993,916	19,989,865									
6/30/2008	20,795,571										

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
6/30/2000	2.062	1.660	1.236	0.816	1.014	1.097	0.949	0.988	1.003	0.987	1.003
6/30/2001	2.137	1.378	0.907	0.999	1.108	0.995	0.969	0.968	1.011	1.000	0.993
6/30/2002	1.945	1.320	1.123	0.983	1.030	0.950	1.027	0.977	1.012	1.008	1.038
6/30/2003	1.362	1.333	1.177	1.041	0.939	0.988	0.978	0.999	0.988	1.027	1.012
6/30/2004	1.738	1.313	1.174	0.931	1.015	0.930	1.033	0.983	1.015	0.994	1.000
6/30/2005	1.762	1.262	1.009	1.041	0.968	1.019	0.989	0.988	0.976	1.003	0.998
6/30/2006	1.489	1.336	1.085	0.940	1.017	1.012	0.988	0.999	0.992	1.008	1.007
6/30/2007	1.496	1.214	1.135	0.993	1.002	0.987	1.016	1.010	1.011	0.999	1.014
6/30/2008	1.346	1.253	1.101	1.023	0.956	1.022	0.998	1.004	0.996	1.000	0.996
6/30/2009	1.941	1.209	1.044	1.067	0.989	1.012	0.987	1.013	1.007	1.009	
6/30/2010	1.392	1.197	1.098	1.032	1.026	0.988	0.982	1.001	0.993		
6/30/2011	1.477	1.228	1.072	0.995	1.005	1.005	0.990	0.998			
6/30/2012	1.764	1.309	1.069	1.009	0.998	1.010	1.001				
6/30/2013	1.715	1.126	1.120	1.004	1.002	0.992					
6/30/2014	1.560	1.216	1.148	1.044	1.011						
6/30/2015	1.762	1.372	1.159	1.004							
6/30/2016	1.597	1.497	1.085								
6/30/2017	1.567	1.345									
6/30/2018	1.626										
3 Yr Mean	1.597	1.405	1.131	1.017	1.004	1.002	0.991	1.004	0.999	1.003	1.006
Best 3/5	1.597	1.311	1.118	1.006	1.006	1.002	0.992	1.005	0.999	1.004	1.002

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2000	1.006	0.999	1.000	1.000	0.993	1.000	1.003	0.997			
6/30/2001	1.015	1.001	0.997	1.000	1.000	1.000	1.006	1.001 *			
6/30/2002	1.003	1.006	1.007	0.991	1.003	1.000	1.000 *	1.001 *			
6/30/2003	1.004	1.000	0.997	1.004	1.000	1.000 *	1.000 *	1.001 *			
6/30/2004	1.004	1.000	1.006	1.000	1.000 *	1.000 *	1.000 *	1.001 *			
6/30/2005	0.986	1.005	1.000								
6/30/2006	1.001	1.000									
6/30/2007	1.000										
3 Yr Mean	0.996	1.002	1.001	0.998	1.001 @	1.000 @	1.005 @	0.997 @			
Best 3/5	1.002	1.002	1.001	1.000	1.000 *	1.000 *	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
6/30/2015					1.006	1.002	0.992	1.005	0.999	1.004	1.002
6/30/2016				1.006	1.006	1.002	0.992	1.005	0.999	1.004	1.002
6/30/2017			1.118	1.006	1.006	1.002	0.992	1.005	0.999	1.004	1.002
6/30/2018		1.311	1.118	1.006	1.006	1.002	0.992	1.005	0.999	1.004	1.002
6/30/2019	1.597	1.311	1.118	1.006	1.006	1.002	0.992	1.005	0.999	1.004	1.002

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
6/30/2015	1.002	1.002	1.001	1.000	1.000	1.000	1.001	1.001	1.004*	1.021
6/30/2016	1.002	1.002	1.001	1.000	1.000	1.000	1.001	1.001	1.004*	1.027
6/30/2017	1.002	1.002	1.001	1.000	1.000	1.000	1.001	1.001	1.004*	1.148
6/30/2018	1.002	1.002	1.001	1.000	1.000	1.000	1.001	1.001	1.004*	1.506
6/30/2019	1.002	1.002	1.001	1.000	1.000	1.000	1.001	1.001	1.004*	2.405

* 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>
6/30/2000	9,248,225	21,955,803	43,592,378	65,793,440	79,924,504	85,138,286	92,937,003	94,344,372	92,335,863	95,362,248	92,554,063
6/30/2001	9,356,491	27,217,691	54,387,656	79,181,036	96,065,153	102,504,389	105,559,945	107,902,191	109,440,749	110,327,367	112,122,534
6/30/2002	10,331,026	25,360,625	48,177,854	70,487,716	81,274,951	85,783,657	92,689,904	94,037,031	94,375,218	95,475,571	95,453,003
6/30/2003	10,220,905	26,242,758	46,624,362	65,830,575	75,174,340	81,698,263	84,161,618	86,050,671	87,158,510	87,765,370	87,819,319
6/30/2004	8,948,502	22,926,286	46,845,462	66,081,925	75,535,698	83,216,414	85,474,073	87,139,449	87,539,602	88,104,677	88,351,454
6/30/2005	8,966,025	24,270,727	43,632,406	61,665,625	71,868,133	75,449,639	77,281,036	78,420,410	80,110,303	80,348,780	80,607,989
6/30/2006	6,811,337	22,469,975	44,443,668	61,012,012	72,840,507	78,338,022	83,816,801	86,339,899	87,174,993	89,047,122	89,229,471
6/30/2007	8,306,300	23,871,443	46,249,490	63,264,988	71,917,334	76,986,577	79,041,446	80,342,547	80,828,900	81,362,534	81,456,834
6/30/2008	8,800,275	23,857,367	50,905,523	71,220,445	84,336,032	90,017,263	94,905,269	96,554,400	97,610,032	98,272,189	98,658,181
6/30/2009	9,656,636	24,732,461	47,333,338	67,348,769	78,592,235	88,482,285	90,958,161	92,204,443	92,715,118	93,284,608	94,336,072
6/30/2010	11,724,370	29,261,451	57,691,066	82,063,609	94,543,330	100,139,288	102,098,538	104,452,488	105,292,601	105,563,361	
6/30/2011	12,119,511	34,627,239	57,601,903	81,454,551	93,293,669	105,549,311	107,800,703	109,211,572	110,147,324		
6/30/2012	11,801,174	28,912,171	56,780,056	79,417,456	92,656,997	98,949,182	104,120,329	105,344,808			
6/30/2013	10,051,313	27,554,033	52,415,669	76,025,621	88,712,181	95,207,170	97,995,195				
6/30/2014	10,149,714	28,975,944	59,388,570	84,978,025	96,963,602	104,290,551					
6/30/2015	10,380,228	26,699,496	55,460,451	75,524,687	85,532,854						
6/30/2016	8,872,476	26,975,798	51,288,151	74,930,502							
6/30/2017	11,699,144	29,408,481	55,565,773								
6/30/2018	11,587,264	31,019,854									
6/30/2019	11,804,182										

<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>
6/30/2000	92,743,207	92,911,441	92,998,354	93,121,810	93,197,845	93,473,945	93,508,296	93,773,942	93,961,578
6/30/2001	113,158,317	113,225,714	114,089,404	114,792,647	115,084,374	115,842,555	116,690,225	116,891,808	
6/30/2002	95,635,529	96,182,913	96,531,067	96,626,137	96,701,582	96,835,832	97,047,866		
6/30/2003	88,099,650	88,606,400	88,706,745	88,932,185	88,963,620	89,019,579			
6/30/2004	88,367,382	88,365,287	88,409,182	88,144,409	88,145,884				
6/30/2005	80,741,343	81,307,163	81,429,517	81,751,375					
6/30/2006	89,915,588	90,245,391	91,191,078						
6/30/2007	81,617,731	81,618,629							
6/30/2008	98,638,661								

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

A.Y.E.	Increments												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	12,707,578	21,636,575	22,201,062	14,131,064	5,213,782	7,798,717	1,407,369	-2,008,509	3,026,385	-2,808,185	189,144	168,234	86,913
6/30/2001	17,861,200	27,169,965	24,793,380	16,884,117	6,439,236	3,055,556	2,342,246	1,538,558	886,618	1,795,167	1,035,783	67,397	863,690
6/30/2002	15,029,599	22,817,229	22,309,862	10,787,235	4,508,706	6,906,247	1,347,127	338,187	1,100,353	-22,568	182,526	547,384	348,154
6/30/2003	16,021,853	20,381,604	19,206,213	9,343,765	6,523,923	2,463,355	1,889,053	1,107,839	606,860	53,949	280,331	506,750	100,345
6/30/2004	13,977,784	23,919,176	19,236,463	9,453,773	7,680,716	2,257,659	1,665,376	400,153	565,075	246,777	15,928	-2,095	43,895
6/30/2005	15,304,702	19,361,679	18,033,219	10,202,508	3,581,506	1,831,397	1,139,374	1,689,893	238,477	259,209	133,354	565,820	122,354
6/30/2006	15,658,638	21,973,693	16,568,344	11,828,495	5,497,515	5,478,779	2,523,098	835,094	1,872,129	182,349	686,117	329,803	945,687
6/30/2007	15,565,143	22,378,047	17,015,498	8,652,346	5,069,243	2,054,869	1,301,101	486,353	533,634	94,300	160,897	898	
6/30/2008	15,057,092	27,048,156	20,314,922	13,115,587	5,681,231	4,888,006	1,649,131	1,055,632	662,157	385,992	-19,520		
6/30/2009	15,075,825	22,600,877	20,015,431	11,243,466	9,890,050	2,475,876	1,246,282	510,675	569,490	1,051,464			
6/30/2010	17,537,081	28,429,615	24,372,543	12,479,721	5,595,958	1,959,250	2,353,950	840,113	270,760				
6/30/2011	22,507,728	22,974,664	23,852,648	11,839,118	12,255,642	2,251,392	1,410,869	935,752					
6/30/2012	17,110,997	27,867,885	22,637,400	13,239,541	6,292,185	5,171,147	1,224,479						
6/30/2013	17,502,720	24,861,636	23,609,952	12,686,560	6,494,989	2,788,025							
6/30/2014	18,826,230	30,412,626	25,589,455	11,985,577	7,326,949								
6/30/2015	16,319,268	28,760,955	20,064,236	10,008,167									
6/30/2016	18,103,322	24,312,353	23,642,351										
6/30/2017	17,709,337	26,157,292											
6/30/2018	19,432,590												

A.Y.E.	Incremental Percentages												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	0.0445	0.0757	0.0777	0.0494	0.0182	0.0273	0.0049	-0.0070	0.0106	-0.0098	0.0007	0.0006	0.0003
6/30/2001	0.0583	0.0887	0.0809	0.0551	0.0210	0.0100	0.0076	0.0050	0.0029	0.0059	0.0034	0.0002	0.0028
6/30/2002	0.0628	0.0953	0.0932	0.0450	0.0188	0.0288	0.0056	0.0014	0.0046	-0.0001	0.0008	0.0023	0.0015
6/30/2003	0.0669	0.0851	0.0802	0.0390	0.0272	0.0103	0.0079	0.0046	0.0025	0.0002	0.0012	0.0021	0.0004
6/30/2004	0.0563	0.0963	0.0774	0.0380	0.0309	0.0091	0.0067	0.0016	0.0023	0.0010	0.0001	0.0000	0.0002
6/30/2005	0.0692	0.0875	0.0815	0.0461	0.0162	0.0083	0.0052	0.0076	0.0011	0.0012	0.0006	0.0026	0.0006
6/30/2006	0.0682	0.0958	0.0722	0.0515	0.0240	0.0239	0.0110	0.0036	0.0082	0.0008	0.0030	0.0014	0.0041
6/30/2007	0.0661	0.0950	0.0723	0.0367	0.0215	0.0087	0.0055	0.0021	0.0023	0.0004	0.0007	0.0000	
6/30/2008	0.0576	0.1034	0.0777	0.0501	0.0217	0.0187	0.0063	0.0040	0.0025	0.0015	-0.0001		
6/30/2009	0.0583	0.0875	0.0775	0.0435	0.0383	0.0096	0.0048	0.0020	0.0022	0.0041			
6/30/2010	0.0715	0.1159	0.0993	0.0509	0.0228	0.0080	0.0096	0.0034	0.0011				
6/30/2011	0.0805	0.0822	0.0853	0.0424	0.0438	0.0081	0.0050	0.0033					
6/30/2012	0.0669	0.1089	0.0885	0.0518	0.0246	0.0202	0.0048						
6/30/2013	0.0701	0.0996	0.0946	0.0508	0.0260	0.0112							
6/30/2014	0.0639	0.1032	0.0869	0.0407	0.0249								
6/30/2015	0.0613	0.1081	0.0754	0.0376									
6/30/2016	0.0704	0.0946	0.0920										
6/30/2017	0.0656	0.0969											
6/30/2018	0.0655												

Best 3/5	0.0650	0.0999	0.0891	0.0446	0.0252	0.0096	0.0054	0.0029	0.0023	0.0011	0.0005	0.0012	0.0008
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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	
6/30/2000	102,661,327	127,396,292	129,641,311	135,140,611	135,037,844	134,215,283	133,116,719	133,775,962	134,110,074	134,603,164	134,453,431	
6/30/2001	111,538,077	119,161,517	129,791,407	134,669,083	135,134,427	135,656,279	136,436,945	136,267,325	136,777,176	137,188,395	137,931,509	
6/30/2002	93,247,753	106,511,754	111,445,991	113,125,901	113,081,618	113,999,985	113,776,474	113,911,978	114,065,581	114,547,922	114,865,890	
6/30/2003	80,176,330	89,102,490	93,731,347	95,685,239	95,511,629	96,157,049	96,415,913	97,469,538	97,652,723	97,708,065	97,916,690	
6/30/2004	91,097,100	104,023,086	108,326,329	108,752,689	109,263,429	109,788,692	109,677,538	110,135,059	110,387,581	110,466,061	110,723,407	
6/30/2005	96,308,770	103,379,002	104,206,844	106,362,410	106,817,619	106,810,290	107,300,657	108,185,736	108,370,847	108,848,779	108,885,255	
6/30/2006	97,260,578	106,157,692	108,766,605	109,971,737	110,989,155	111,950,024	112,511,441	112,903,641	113,100,644	113,804,507	113,847,961	
6/30/2007	101,710,422	111,038,262	113,434,698	114,991,640	116,636,567	117,530,068	118,402,116	119,091,838	120,039,903	120,311,120	120,149,706	
6/30/2008	107,974,770	117,763,744	120,152,353	121,600,996	123,404,037	124,334,757	125,205,210	125,774,625	126,453,345	126,741,748	127,821,523	
6/30/2009	107,839,531	115,948,965	119,414,429	122,110,594	121,995,440	122,874,431	123,376,442	123,792,314	125,274,547	125,978,924	126,227,065	
6/30/2010	101,535,047	110,781,053	113,342,073	115,125,335	116,423,377	116,406,473	116,969,109	117,255,541	117,899,628	118,063,577		
6/30/2011	114,084,272	123,547,225	127,119,287	127,536,183	128,131,422	128,814,006	129,069,410	129,990,361	130,486,820			
6/30/2012	115,724,744	124,255,961	126,691,565	127,395,865	128,327,215	128,932,774	130,057,149	130,905,262				
6/30/2013	105,944,724	115,771,450	120,416,815	121,727,791	122,303,481	123,607,964	124,177,079					
6/30/2014	104,719,792	113,325,980	118,453,755	119,970,718	122,801,082	123,726,852						
6/30/2015	102,284,613	112,771,480	119,238,929	125,364,429	126,060,345							
6/30/2016	104,848,319	116,199,437	123,178,745	125,608,239								
6/30/2017	110,932,095	125,964,883	132,488,313									
6/30/2018	120,448,707	135,093,966										
6/30/2019	116,898,691											

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	135,042,548	134,460,077	134,354,087	134,358,231	134,451,389	134,436,831	134,618,768	134,864,917	135,028,887
6/30/2001	137,921,069	137,846,788	137,993,210	138,039,074	138,150,533	138,314,301	138,567,514	138,697,227	
6/30/2002	114,862,133	115,091,628	115,521,153	116,025,857	116,114,984	115,939,109	116,483,665		
6/30/2003	98,388,268	98,446,522	98,658,658	98,649,807	98,683,986	98,779,275			
6/30/2004	111,026,272	111,148,486	111,578,489	111,780,808	111,814,658				
6/30/2005	108,930,584	109,410,208	109,462,907	109,501,990					
6/30/2006	113,955,874	114,657,351	114,683,094						
6/30/2007	120,456,218	120,515,234							
6/30/2008	128,120,392								

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
6/30/2000	1.241	1.018	1.042	0.999	0.994	0.992	1.005	1.002	1.004	0.999	1.004
6/30/2001	1.068	1.089	1.038	1.003	1.004	1.006	0.999	1.004	1.003	1.005	1.000
6/30/2002	1.142	1.046	1.015	1.000	1.008	0.998	1.001	1.001	1.004	1.003	1.000
6/30/2003	1.111	1.052	1.021	0.998	1.007	1.003	1.011	1.002	1.001	1.002	1.005
6/30/2004	1.142	1.041	1.004	1.005	1.005	0.999	1.004	1.002	1.001	1.002	1.003
6/30/2005	1.073	1.008	1.021	1.004	1.000	1.005	1.008	1.002	1.004	1.000	1.000
6/30/2006	1.091	1.025	1.011	1.009	1.009	1.005	1.003	1.002	1.006	1.000	1.001
6/30/2007	1.092	1.022	1.014	1.014	1.008	1.007	1.006	1.008	1.002	0.999	1.003
6/30/2008	1.091	1.020	1.012	1.015	1.008	1.007	1.005	1.005	1.002	1.009	1.002
6/30/2009	1.075	1.030	1.023	0.999	1.007	1.004	1.003	1.012	1.006	1.002	
6/30/2010	1.091	1.023	1.016	1.011	1.000	1.005	1.002	1.005	1.001		
6/30/2011	1.083	1.029	1.003	1.005	1.005	1.002	1.007	1.004			
6/30/2012	1.074	1.020	1.006	1.007	1.005	1.009	1.007				
6/30/2013	1.093	1.040	1.011	1.005	1.011	1.005					
6/30/2014	1.082	1.045	1.013	1.024	1.008						
6/30/2015	1.103	1.057	1.051	1.006							
6/30/2016	1.108	1.060	1.020								
6/30/2017	1.136	1.052									
6/30/2018	1.122										
3 Yr Mean	1.122	1.056	1.028	1.012	1.008	1.005	1.005	1.007	1.003	1.003	1.002
Best 3/5	1.111	1.051	1.015	1.006	1.006	1.005	1.005	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			
6/30/2000	0.996	0.999	1.000	1.001	1.000	1.001	1.002	1.001			
6/30/2001	0.999	1.001	1.000	1.001	1.001	1.002	1.001	1.001 *			
6/30/2002	1.002	1.004	1.004	1.001	0.998	1.005	1.001 *	1.001 *			
6/30/2003	1.001	1.002	1.000	1.000	1.001	1.001 *	1.001 *	1.001 *			
6/30/2004	1.001	1.004	1.002	1.000	1.001 *	1.001 *	1.001 *	1.001 *			
6/30/2005	1.004	1.000	1.000								
6/30/2006	1.006	1.000									
6/30/2007	1.000										
3 Yr Mean	1.003	1.001	1.001	1.000	1.000 @	1.003 @	1.002 @	1.001 @			
Best 3/5	1.002	1.002	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
6/30/2015					1.006	1.005	1.005	1.006	1.003	1.001	1.002
6/30/2016				1.006	1.006	1.005	1.005	1.006	1.003	1.001	1.002
6/30/2017			1.015	1.006	1.006	1.005	1.005	1.006	1.003	1.001	1.002
6/30/2018		1.051	1.015	1.006	1.006	1.005	1.005	1.006	1.003	1.001	1.002
6/30/2019	1.111	1.051	1.015	1.006	1.006	1.005	1.005	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/U1t	FACTORS
6/30/2015	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.043
6/30/2016	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.049
6/30/2017	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.065
6/30/2018	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.119
6/30/2019	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.243

* 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	
6/30/2000	17,673,675	22,108,271	25,001,569	27,241,256	28,001,814	27,754,507	28,102,944	27,933,654	28,047,877	28,348,695	28,646,289	
6/30/2001	20,940,497	26,001,196	28,398,309	29,878,968	30,356,461	30,772,349	31,066,677	31,806,376	32,401,002	32,373,406	32,085,749	
6/30/2002	19,194,547	23,680,907	23,886,327	24,026,676	24,379,225	25,607,403	25,660,486	26,313,057	26,291,869	26,357,931	26,355,078	
6/30/2003	19,975,742	21,790,867	21,959,531	22,529,924	23,684,404	23,582,781	24,072,694	24,288,895	24,482,993	24,687,867	24,718,206	
6/30/2004	20,012,295	22,879,381	24,915,859	25,152,370	25,341,072	25,857,002	26,040,661	26,192,753	26,276,736	26,354,121	26,512,244	
6/30/2005	21,094,878	23,983,166	25,747,473	26,303,541	26,396,925	26,084,589	26,360,298	26,494,550	26,959,431	27,145,596	27,241,773	
6/30/2006	20,984,380	24,358,050	25,391,313	25,715,173	25,495,867	25,778,894	25,985,259	26,188,650	26,334,463	26,732,434	26,698,176	
6/30/2007	24,879,237	26,525,350	27,646,747	27,597,777	27,494,570	27,244,526	27,605,737	27,490,615	27,534,031	27,655,349	27,705,260	
6/30/2008	25,902,340	28,878,327	30,205,350	31,036,227	30,481,547	30,971,562	31,129,502	31,103,275	31,547,743	31,672,568	31,815,617	
6/30/2009	27,150,650	27,485,317	28,662,436	28,868,280	28,695,095	28,678,532	28,409,304	28,740,068	28,966,992	29,147,572	29,146,740	
6/30/2010	21,354,848	23,074,353	23,448,995	23,745,828	23,738,685	23,861,160	24,485,451	24,381,149	24,554,984	24,532,897		
6/30/2011	22,720,306	23,645,352	24,491,764	24,246,283	24,443,116	24,663,483	24,743,616	25,231,705	25,014,563			
6/30/2012	21,917,930	24,092,545	24,879,321	25,157,589	25,131,256	25,318,254	25,513,918	25,500,312				
6/30/2013	20,476,337	22,840,025	23,865,248	23,846,693	23,413,535	23,390,529	23,460,398					
6/30/2014	22,237,658	24,162,553	24,654,007	24,911,288	25,108,344	25,387,437						
6/30/2015	23,708,573	26,288,165	27,062,341	27,962,234	27,956,023							
6/30/2016	24,671,300	26,339,545	27,395,020	26,613,959								
6/30/2017	21,601,096	24,953,274	26,969,719									
6/30/2018	24,312,634	26,344,705										
6/30/2019	22,453,806											
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months			
6/30/2000	28,588,071	28,403,187	28,402,784	28,357,784	28,360,115	28,208,092	28,224,659	28,227,838	28,229,522			
6/30/2001	32,263,545	32,436,704	32,545,972	32,554,564	32,454,377	32,503,444	32,516,722	32,528,767				
6/30/2002	26,539,135	26,580,664	26,418,748	26,284,831	26,294,995	26,207,234	26,194,214					
6/30/2003	24,786,803	24,727,745	24,681,698	24,768,514	24,727,942	24,735,216						
6/30/2004	26,500,572	26,467,889	26,504,604	26,512,560	26,621,775							
6/30/2005	27,121,437	27,300,316	27,365,808	27,212,795								
6/30/2006	26,880,154	26,803,603	26,817,228									
6/30/2007	27,801,753	27,793,534										
6/30/2008	31,765,718											

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
6/30/2000	1.251	1.131	1.090	1.028	0.991	1.013	0.994	1.004	1.011	1.010	0.998
6/30/2001	1.242	1.092	1.052	1.016	1.014	1.010	1.024	1.019	0.999	0.991	1.006
6/30/2002	1.234	1.009	1.006	1.015	1.050	1.002	1.025	0.999	1.003	1.000	1.007
6/30/2003	1.091	1.008	1.026	1.051	0.996	1.021	1.009	1.008	1.008	1.001	1.003
6/30/2004	1.143	1.089	1.009	1.008	1.020	1.007	1.006	1.003	1.003	1.006	1.000
6/30/2005	1.137	1.074	1.022	1.004	0.988	1.011	1.005	1.018	1.007	1.004	0.996
6/30/2006	1.161	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	1.115	1.046	1.028	0.982	1.016	1.005	0.999	1.014	1.004	1.005	0.998
6/30/2009	1.012	1.043	1.007	0.994	0.999	0.991	1.012	1.008	1.006	1.000	
6/30/2010	1.081	1.016	1.013	1.000	1.005	1.026	0.996	1.007	0.999		
6/30/2011	1.041	1.036	0.990	1.008	1.009	1.003	1.020	0.991			
6/30/2012	1.099	1.033	1.011	0.999	1.007	1.008	0.999				
6/30/2013	1.115	1.045	0.999	0.982	0.999	1.003					
6/30/2014	1.087	1.020	1.010	1.008	1.011						
6/30/2015	1.109	1.029	1.033	1.000							
6/30/2016	1.068	1.040	0.971								
6/30/2017	1.155	1.081									
6/30/2018	1.084										
3 Yr Mean	1.102	1.050	1.005	0.997	1.006	1.005	1.005	1.002	1.003	1.002	1.003
Best 3/5	1.093	1.038	1.007	1.002	1.007	1.005	1.003	1.006	1.005	1.002	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2000	0.994	1.000	0.998	1.000	0.995	1.001	1.000	1.000			
6/30/2001	1.005	1.003	1.000	0.997	1.002	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	0.999 *	1.000 *	1.000 *			
6/30/2004	0.999	1.001	1.000	1.004	1.000 *	0.999 *	1.000 *	1.000 *			
6/30/2005	1.007	1.002	0.994								
6/30/2006	0.997	1.001									
6/30/2007	1.000										
3 Yr Mean	1.001	1.001	0.999	1.001	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	0.999	1.000	0.998	0.999	0.999 *	1.000 *	1.000 *	1.000 *			

	Development From										
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					1.007	1.005	1.003	1.006	1.005	1.002	1.000
6/30/2016				1.002	1.007	1.005	1.003	1.006	1.005	1.002	1.000
6/30/2017			1.007	1.002	1.007	1.005	1.003	1.006	1.005	1.002	1.000
6/30/2018		1.038	1.007	1.002	1.007	1.005	1.003	1.006	1.005	1.002	1.000
6/30/2019	1.093	1.038	1.007	1.002	1.007	1.005	1.003	1.006	1.005	1.002	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
6/30/2015	0.999	1.000	0.998	0.999	0.999	1.000	1.000	1.000	1.000*	1.023
6/30/2016	0.999	1.000	0.998	0.999	0.999	1.000	1.000	1.000	1.000*	1.025
6/30/2017	0.999	1.000	0.998	0.999	0.999	1.000	1.000	1.000	1.000*	1.032
6/30/2018	0.999	1.000	0.998	0.999	0.999	1.000	1.000	1.000	1.000*	1.072
6/30/2019	0.999	1.000	0.998	0.999	0.999	1.000	1.000	1.000	1.000*	1.171

* 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>
6/30/2000	9,259,565	16,755,240	21,739,170	29,440,835	35,010,131	40,767,178	44,240,220	47,342,439	50,512,090	51,834,831	51,653,659
6/30/2001	10,305,391	15,057,682	24,524,460	35,340,392	46,081,957	52,076,318	57,229,694	60,410,585	62,165,956	63,083,266	64,946,162
6/30/2002	7,318,287	14,569,822	20,992,159	27,748,897	34,186,680	39,049,047	41,604,047	42,805,944	44,218,213	44,453,156	44,966,695
6/30/2003	7,545,176	13,914,707	20,872,557	27,774,546	32,979,096	33,900,466	37,674,083	38,340,977	39,473,984	40,637,086	41,639,401
6/30/2004	6,456,908	13,374,881	21,498,127	28,825,049	33,065,897	36,039,345	37,154,675	38,682,804	39,906,405	40,382,646	40,894,580
6/30/2005	8,104,742	12,968,671	18,822,537	25,054,737	29,519,324	32,320,219	35,278,007	36,671,220	37,844,112	38,342,303	38,724,459
6/30/2006	7,940,920	14,193,778	22,052,718	28,185,528	33,536,663	37,770,224	40,166,051	42,228,197	43,809,935	45,000,716	45,884,753
6/30/2007	7,270,795	13,508,321	21,060,383	27,689,467	33,368,682	37,779,430	40,022,763	41,607,611	43,717,763	44,619,835	45,219,088
6/30/2008	8,943,343	16,889,120	25,871,163	33,289,818	39,144,351	41,116,072	43,145,842	46,774,479	48,587,781	50,788,565	51,820,926
6/30/2009	8,020,100	14,938,514	22,494,974	29,686,293	34,851,746	37,198,843	38,827,029	40,122,646	41,435,642	42,708,422	43,443,876
6/30/2010	8,906,045	17,861,522	23,693,746	30,793,502	34,860,647	36,663,524	39,663,472	40,629,264	42,631,081	43,434,212	
6/30/2011	8,915,118	15,331,728	24,018,708	30,069,115	33,369,369	36,040,563	37,407,109	39,313,407	40,995,695		
6/30/2012	9,966,205	16,695,953	23,398,336	26,357,303	30,428,057	33,236,799	33,941,640	35,111,832			
6/30/2013	9,378,284	18,762,659	28,963,568	38,098,424	44,884,864	49,017,488	51,130,609				
6/30/2014	9,003,782	18,686,345	28,876,549	35,313,476	42,128,460	46,147,356					
6/30/2015	7,590,175	14,890,302	23,783,794	32,794,668	42,811,350						
6/30/2016	9,957,987	20,132,354	27,220,501	33,774,371							
6/30/2017	9,774,690	16,649,737	24,311,703								
6/30/2018	10,569,978	19,072,363									
6/30/2019	11,458,814										

<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>
6/30/2000	53,231,730	53,106,119	52,684,170	52,685,513	52,721,322	52,726,609	52,805,172	52,842,520	52,933,234
6/30/2001	66,430,766	66,260,318	65,919,735	66,282,709	66,377,721	66,555,218	66,637,446	66,930,029	
6/30/2002	45,662,297	45,882,068	46,859,157	47,089,715	47,119,114	47,433,658	48,087,820		
6/30/2003	42,522,794	43,602,105	43,868,167	43,957,440	44,114,397	44,303,692			
6/30/2004	41,342,157	41,695,923	43,624,829	44,150,334	44,970,269				
6/30/2005	38,623,439	39,409,469	39,756,612	39,994,423					
6/30/2006	46,775,260	47,371,810	47,924,855						
6/30/2007	45,870,473	46,379,884							
6/30/2008	52,774,447								

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

	Increments												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	7,495,675	4,983,930	7,701,665	5,569,296	5,757,047	3,473,042	3,102,219	3,169,651	1,322,741	-181,172	1,578,071	-125,611	-421,949
6/30/2001	4,752,291	9,466,778	10,815,932	10,741,565	5,994,361	5,153,376	3,180,891	1,755,371	917,310	1,862,896	1,484,604	-170,448	-340,583
6/30/2002	7,251,535	6,422,337	6,756,738	6,437,783	4,862,367	2,555,000	1,201,897	1,412,269	234,943	513,539	695,602	219,771	977,089
6/30/2003	6,369,531	6,957,850	6,901,989	5,204,550	921,370	3,773,617	666,894	1,133,007	1,163,102	1,002,315	883,393	1,079,311	266,062
6/30/2004	6,917,973	8,123,246	7,326,922	4,240,848	2,973,448	1,115,330	1,528,129	1,223,601	476,241	511,934	447,577	353,766	1,928,906
6/30/2005	4,863,929	5,853,866	6,232,200	4,464,587	2,800,895	2,957,788	1,393,213	1,172,892	498,191	382,156	-101,020	786,030	347,143
6/30/2006	6,252,858	7,858,940	6,132,810	5,351,135	4,233,561	2,395,827	2,062,146	1,581,738	1,190,781	884,037	890,507	596,550	553,045
6/30/2007	6,237,526	7,552,062	6,629,084	5,679,215	4,410,748	2,243,333	1,584,848	2,110,152	902,072	599,253	651,385	509,411	
6/30/2008	7,945,777	8,982,043	7,418,655	5,854,533	1,971,721	2,029,770	3,628,637	1,813,302	2,200,784	1,032,361	953,521		
6/30/2009	6,918,414	7,556,460	7,191,319	5,165,453	2,347,097	1,628,186	1,295,617	1,312,996	1,272,780	735,454			
6/30/2010	8,955,477	5,832,224	7,099,756	4,067,145	1,802,877	2,999,948	965,792	2,001,817	803,131				
6/30/2011	6,416,610	8,686,980	6,050,407	3,300,254	2,671,194	1,366,546	1,906,298	1,682,288					
6/30/2012	6,729,748	6,702,383	2,958,967	4,070,754	2,808,742	704,841	1,170,192						
6/30/2013	9,384,375	10,200,909	9,134,856	6,786,440	4,132,624	2,113,121							
6/30/2014	9,682,563	10,190,204	6,436,927	6,814,984	4,018,896								
6/30/2015	7,300,127	8,893,492	9,010,874	10,016,682									
6/30/2016	10,174,367	7,088,147	6,553,870										
6/30/2017	6,875,047	7,661,966											
6/30/2018	8,502,385												

	Incremental Percentages												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	0.0419	0.0278	0.0430	0.0311	0.0322	0.0194	0.0173	0.0177	0.0074	-0.0010	0.0088	-0.0007	-0.0024
6/30/2001	0.0261	0.0521	0.0595	0.0591	0.0330	0.0283	0.0175	0.0097	0.0050	0.0102	0.0082	-0.0009	-0.0019
6/30/2002	0.0472	0.0418	0.0440	0.0419	0.0316	0.0166	0.0078	0.0092	0.0015	0.0033	0.0045	0.0014	0.0064
6/30/2003	0.0493	0.0538	0.0534	0.0403	0.0071	0.0292	0.0052	0.0088	0.0090	0.0078	0.0068	0.0083	0.0021
6/30/2004	0.0472	0.0555	0.0500	0.0290	0.0203	0.0076	0.0104	0.0084	0.0033	0.0035	0.0031	0.0024	0.0132
6/30/2005	0.0340	0.0410	0.0436	0.0312	0.0196	0.0207	0.0098	0.0082	0.0035	0.0027	-0.0007	0.0055	0.0024
6/30/2006	0.0418	0.0526	0.0410	0.0358	0.0283	0.0160	0.0138	0.0106	0.0080	0.0059	0.0060	0.0040	0.0037
6/30/2007	0.0409	0.0496	0.0435	0.0373	0.0290	0.0147	0.0104	0.0139	0.0059	0.0039	0.0043	0.0033	
6/30/2008	0.0457	0.0517	0.0427	0.0337	0.0113	0.0117	0.0209	0.0104	0.0127	0.0059	0.0055		
6/30/2009	0.0413	0.0452	0.0430	0.0309	0.0140	0.0097	0.0077	0.0078	0.0076	0.0044			
6/30/2010	0.0570	0.0371	0.0452	0.0259	0.0115	0.0191	0.0062	0.0127	0.0051				
6/30/2011	0.0361	0.0489	0.0341	0.0186	0.0150	0.0077	0.0107	0.0095					
6/30/2012	0.0384	0.0382	0.0169	0.0232	0.0160	0.0040	0.0067						
6/30/2013	0.0552	0.0600	0.0537	0.0399	0.0243	0.0124							
6/30/2014	0.0549	0.0578	0.0365	0.0386	0.0228								
6/30/2015	0.0406	0.0494	0.0501	0.0557									
6/30/2016	0.0566	0.0394	0.0365										
6/30/2017	0.0357	0.0398											
6/30/2018	0.0400												

Best 3/5	0.0451	0.0490	0.0410	0.0339	0.0179	0.0099	0.0084	0.0109	0.0072	0.0047	0.0043	0.0043	0.0042
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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:											
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
6/30/2000	9,984,512	12,876,470	15,631,844	16,857,655	16,738,847	16,662,320	16,820,635	17,141,583	16,781,486	16,753,549	16,797,644
6/30/2001	9,504,099	13,647,728	16,018,935	16,435,285	16,841,736	17,035,114	17,647,573	17,840,740	17,384,247	17,121,743	17,326,861
6/30/2002	9,426,888	13,793,259	14,994,024	15,148,340	15,541,887	15,184,907	14,852,650	14,695,463	14,658,155	14,481,889	14,399,545
6/30/2003	9,511,522	10,525,056	11,906,404	13,237,380	12,452,607	12,543,444	11,661,272	11,807,044	11,879,795	11,662,050	11,709,067
6/30/2004	12,078,325	17,789,587	21,264,516	21,913,501	21,934,636	20,387,268	19,640,961	19,530,632	19,351,208	19,527,080	19,277,244
6/30/2005	12,761,808	15,834,097	17,691,913	18,199,025	17,320,818	16,865,257	16,741,856	16,826,834	16,819,879	16,702,013	16,699,823
6/30/2006	13,552,096	17,608,318	18,485,273	17,736,124	17,608,334	17,388,440	17,229,825	17,201,229	16,951,634	17,243,384	17,120,287
6/30/2007	13,110,068	15,010,194	16,616,390	16,678,277	15,700,846	15,573,029	15,187,716	15,304,570	15,033,355	15,009,697	15,104,063
6/30/2008	9,896,789	11,757,941	12,275,298	12,165,008	12,027,643	11,661,734	11,475,818	11,458,830	11,534,509	11,509,718	11,694,052
6/30/2009	8,334,431	10,657,717	11,227,231	11,146,403	10,989,220	10,923,899	10,558,298	10,502,290	10,365,912	10,378,600	10,233,796
6/30/2010	9,330,643	10,563,486	11,462,719	11,535,597	10,986,165	11,005,756	11,076,715	11,011,441	11,072,976	11,070,073	
6/30/2011	7,674,699	9,075,711	9,971,451	9,104,188	9,238,076	9,336,636	9,698,931	9,686,166	9,741,091		
6/30/2012	5,654,940	6,948,069	7,412,056	8,360,688	7,957,459	8,406,909	8,365,930	8,582,502			
6/30/2013	6,015,486	7,184,946	7,807,475	8,381,477	8,616,479	8,780,057	8,845,854				
6/30/2014	5,599,711	8,451,210	9,865,169	10,287,036	10,242,608	10,305,290					
6/30/2015	7,335,065	9,923,861	10,518,746	11,605,987	11,512,478						
6/30/2016	6,681,718	8,315,546	9,109,036	9,216,090							
6/30/2017	6,012,067	8,176,424	9,228,941								
6/30/2018	7,417,298	8,842,600									
6/30/2019	5,291,569										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	16,811,343	16,809,632	16,797,616	16,841,200	16,822,759	16,820,943	16,814,113	16,814,128	16,814,113		
6/30/2001	17,144,098	17,100,152	17,343,088	17,228,088	17,328,088	17,308,079	17,408,063	17,408,063			
6/30/2002	14,520,574	14,459,463	14,448,932	14,479,752	14,467,248	14,467,248	14,467,248				
6/30/2003	11,460,804	11,460,804	11,560,804	11,568,804	11,568,804	11,668,804					
6/30/2004	19,365,888	19,388,540	19,370,888	19,370,891	19,380,888						
6/30/2005	16,599,823	16,538,843	16,533,843								
6/30/2006	17,013,392	16,999,226	17,001,574								
6/30/2007	15,099,813	15,099,813									
6/30/2008	11,702,849										

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
6/30/2000	1.290	1.214	1.078	0.993	0.995	1.010	1.019	0.979	0.998	1.003	1.001
6/30/2001	1.436	1.174	1.026	1.025	1.011	1.036	1.011	0.974	0.985	1.012	0.989
6/30/2002	1.463	1.087	1.010	1.026	0.977	0.978	0.989	0.997	0.988	0.994	1.008
6/30/2003	1.107	1.131	1.112	0.941	1.007	0.930	1.013	1.006	0.982	1.004	0.979
6/30/2004	1.473	1.195	1.031	1.001	0.929	0.963	0.994	0.991	1.009	0.987	1.005
6/30/2005	1.241	1.117	1.029	0.952	0.974	0.993	1.005	1.000	0.993	1.000	0.994
6/30/2006	1.299	1.050	0.959	0.993	0.988	0.991	0.998	0.985	1.017	0.993	0.994
6/30/2007	1.145	1.107	1.004	0.941	0.992	0.975	1.008	0.982	0.998	1.006	1.000
6/30/2008	1.188	1.044	0.991	0.989	0.970	0.984	0.999	1.007	0.998	1.016	1.001
6/30/2009	1.279	1.053	0.993	0.986	0.994	0.967	0.995	0.987	1.001	0.986	
6/30/2010	1.132	1.085	1.006	0.952	1.002	1.006	0.994	1.006	1.000		
6/30/2011	1.183	1.099	0.913	1.015	1.011	1.039	0.999	1.006			
6/30/2012	1.229	1.067	1.128	0.952	1.056	0.995	1.026				
6/30/2013	1.194	1.087	1.074	1.028	1.019	1.007					
6/30/2014	1.509	1.167	1.043	0.996	1.006						
6/30/2015	1.353	1.060	1.103	0.992							
6/30/2016	1.245	1.095	1.012								
6/30/2017	1.360	1.129									
6/30/2018	1.192										
3 Yr Mean	1.266	1.095	1.053	1.005	1.027	1.014	1.006	1.000	1.000	1.003	0.998
Best 3/5	1.319	1.104	1.073	1.001	1.012	1.003	0.998	1.000	1.000	1.000	0.998

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2000	1.000	0.999	1.003	0.999	1.000	1.000	1.000	1.000			
6/30/2001	0.997	1.014	0.993	1.006	0.999	1.006	1.000	1.000 *			
6/30/2002	0.996	0.999	1.002	0.999	1.000	1.000	1.000 *	1.000 *			
6/30/2003	1.000	1.009	1.001	1.000	1.009	1.000 *	1.000 *	1.000 *			
6/30/2004	1.001	0.999	1.000	1.001	1.000 *	1.000 *	1.000 *	1.000 *			
6/30/2005	0.996	1.000	1.000								
6/30/2006	0.999	1.000									
6/30/2007	1.000										
3 Yr Mean	0.998	1.000	1.000	1.000	1.003 @	1.002 @	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	Development From				99/111	111/123	123/135	135/147
				51/ 63	63/ 75	75/ 87	87/ 99				
6/30/2015					1.012	1.003	0.998	1.000	1.000	1.000	0.998
6/30/2016				1.001	1.012	1.003	0.998	1.000	1.000	1.000	0.998
6/30/2017			1.073	1.001	1.012	1.003	0.998	1.000	1.000	1.000	0.998
6/30/2018		1.104	1.073	1.001	1.012	1.003	0.998	1.000	1.000	1.000	0.998
6/30/2019	1.319	1.104	1.073	1.001	1.012	1.003	0.998	1.000	1.000	1.000	0.998

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.011
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.012
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.086
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.199
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.581

* 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>
6/30/2000	2,605,664	5,408,691	8,551,012	11,487,550	12,440,382	13,789,507	14,508,179	15,128,584	16,853,048	17,850,894	18,276,339
6/30/2001	2,375,468	7,102,112	10,989,865	13,590,095	15,493,861	16,180,282	16,846,136	17,529,139	18,207,581	18,461,038	18,717,657
6/30/2002	1,573,884	6,644,331	10,211,718	11,519,782	12,907,202	14,150,633	14,314,330	14,627,036	14,751,033	14,895,905	14,957,337
6/30/2003	1,643,884	4,283,747	6,386,039	9,453,378	10,339,243	11,137,381	11,335,894	11,868,772	12,208,175	12,279,159	12,324,646
6/30/2004	1,674,051	4,808,252	9,060,436	14,406,091	21,644,440	24,870,986	21,039,807	20,990,499	21,928,963	21,896,805	23,277,409
6/30/2005	2,095,394	4,519,224	10,653,281	12,970,048	15,204,989	16,152,593	16,427,705	16,594,889	17,007,992	18,240,606	18,253,582
6/30/2006	1,299,968	4,375,290	9,892,647	14,959,142	17,021,773	18,502,038	19,102,816	19,240,366	19,635,548	19,488,881	19,711,452
6/30/2007	2,150,932	4,441,432	7,071,929	9,004,086	10,570,784	11,512,753	11,818,750	12,568,868	12,633,094	12,662,568	12,625,069
6/30/2008	1,764,591	5,188,682	10,382,793	11,832,606	13,232,887	14,355,484	14,777,469	15,510,394	15,763,456	15,836,820	15,884,729
6/30/2009	1,123,223	2,939,925	7,132,734	12,123,891	13,387,990	14,801,845	16,019,666	16,350,388	17,271,225	17,864,911	17,696,557
6/30/2010	1,745,763	5,170,238	9,157,729	11,436,829	13,633,987	13,950,913	14,417,905	14,525,760	14,919,381	14,928,305	
6/30/2011	992,739	3,358,549	9,943,926	14,458,367	17,360,989	19,298,922	21,577,015	21,334,425	21,580,439		
6/30/2012	1,072,834	4,071,240	8,076,976	12,429,016	12,725,907	14,039,942	14,727,050	14,653,711			
6/30/2013	1,951,077	4,253,907	8,347,248	10,025,009	11,105,734	11,404,501	12,149,541				
6/30/2014	1,829,817	5,105,348	9,230,862	11,210,950	15,873,753	16,258,868					
6/30/2015	2,741,080	5,126,454	8,508,556	11,976,570	12,648,716						
6/30/2016	1,896,320	5,906,217	8,182,622	11,185,500							
6/30/2017	1,090,762	3,213,608	4,752,667								
6/30/2018	3,505,277	5,889,520									
6/30/2019	1,018,166										

<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>
6/30/2000	18,487,343	18,504,050	18,513,924	18,515,338	18,535,968	18,538,208	18,523,443	18,523,454	18,544,215
6/30/2001	18,896,564	19,121,366	20,429,659	19,388,370	20,289,360	20,203,819	20,253,807	20,353,807	
6/30/2002	15,012,790	15,052,474	15,192,842	15,234,085	15,245,091	15,245,091	15,245,091		
6/30/2003	12,466,415	12,459,026	12,459,026	12,459,026	12,459,032	12,665,017			
6/30/2004	23,013,909	23,107,362	23,700,141	23,700,141	23,702,480				
6/30/2005	18,317,884	18,332,152	18,339,490	18,359,639					
6/30/2006	19,765,407	19,766,348	19,767,914						
6/30/2007	12,625,069	12,625,069							
6/30/2008	15,880,490								

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

A.Y.E.	Increments												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2000	2,803,027	3,142,321	2,936,538	952,832	1,349,125	718,672	620,405	1,724,464	997,846	425,445	211,004	16,707	9,874
6/30/2001	4,726,644	3,887,753	2,600,230	1,903,766	686,421	665,854	683,003	678,442	253,457	256,619	178,907	224,802	1,308,293
6/30/2002	5,070,447	3,567,387	1,308,064	1,387,420	1,243,431	163,697	312,706	123,997	144,872	61,432	55,453	39,684	140,368
6/30/2003	2,639,863	2,102,292	3,067,339	885,865	798,138	198,513	532,878	339,403	70,984	45,487	141,769	-7,389	0
6/30/2004	3,134,201	4,252,184	5,345,655	7,238,349	3,226,546	-3,831,179	-49,308	938,464	-32,158	1,380,604	-263,500	93,453	592,779
6/30/2005	2,423,830	6,134,057	2,316,767	2,234,941	947,604	275,112	167,184	413,103	1,232,614	12,976	64,302	14,268	7,338
6/30/2006	3,075,322	5,517,357	5,066,495	2,062,631	1,480,265	600,778	137,550	395,182	-146,667	222,571	53,955	941	1,566
6/30/2007	2,290,500	2,630,497	1,932,157	1,566,698	941,969	305,997	750,118	64,226	29,474	-37,499	0	0	
6/30/2008	3,424,091	5,194,111	1,449,813	1,400,281	1,122,597	421,985	732,925	253,062	73,364	47,909	-4,239		
6/30/2009	1,816,702	4,192,809	4,991,157	1,264,099	1,413,855	1,217,821	330,722	920,837	593,686	-168,354			
6/30/2010	3,424,475	3,987,491	2,279,100	2,197,158	316,926	466,992	107,855	393,621	8,924				
6/30/2011	2,365,810	6,585,377	4,514,441	2,902,622	1,937,933	2,278,093	-242,590	246,014					
6/30/2012	2,998,406	4,005,736	4,352,040	296,891	1,314,035	687,108	-73,339						
6/30/2013	2,302,830	4,093,341	1,677,761	1,080,725	298,767	745,040							
6/30/2014	3,275,531	4,125,514	1,980,088	4,662,803	385,115								
6/30/2015	2,385,374	3,382,102	3,468,014	672,146									
6/30/2016	4,009,897	2,276,405	3,002,878										
6/30/2017	2,122,846	1,539,059											
6/30/2018	2,384,243												

	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>
6/30/2000	0.1025	0.1149	0.1074	0.0348	0.0493	0.0263	0.0227	0.0630	0.0365	0.0156	0.0077	0.0006	0.0004
6/30/2001	0.1686	0.1387	0.0928	0.0679	0.0245	0.0238	0.0244	0.0242	0.0090	0.0092	0.0064	0.0080	0.0467
6/30/2002	0.2185	0.1538	0.0564	0.0598	0.0536	0.0071	0.0135	0.0053	0.0062	0.0026	0.0024	0.0017	0.0060
6/30/2003	0.1365	0.1087	0.1586	0.0458	0.0413	0.0103	0.0276	0.0176	0.0037	0.0024	0.0073	-0.0004	0.0000
6/30/2004	0.1094	0.1485	0.1867	0.2528	0.1127	-0.1338	-0.0017	0.0328	-0.0011	0.0482	-0.0092	0.0033	0.0207
6/30/2005	0.0952	0.2409	0.0910	0.0878	0.0372	0.0108	0.0066	0.0162	0.0484	0.0005	0.0025	0.0006	0.0003
6/30/2006	0.1043	0.1871	0.1718	0.0700	0.0502	0.0204	0.0047	0.0134	-0.0050	0.0075	0.0018	0.0000	0.0001
6/30/2007	0.0928	0.1066	0.0783	0.0635	0.0382	0.0124	0.0304	0.0026	0.0012	-0.0015	0.0000	0.0000	
6/30/2008	0.1869	0.2835	0.0791	0.0764	0.0613	0.0230	0.0400	0.0138	0.0040	0.0026	-0.0002		
6/30/2009	0.1103	0.2547	0.3031	0.0768	0.0859	0.0740	0.0201	0.0559	0.0361	-0.0102			
6/30/2010	0.1979	0.2304	0.1317	0.1270	0.0183	0.0270	0.0062	0.0227	0.0005				
6/30/2011	0.1507	0.4195	0.2876	0.1849	0.1234	0.1451	-0.0155	0.0157					
6/30/2012	0.2033	0.2716	0.2951	0.0201	0.0891	0.0466	-0.0050						
6/30/2013	0.1659	0.2949	0.1209	0.0778	0.0215	0.0537							
6/30/2014	0.1836	0.2312	0.1110	0.2614	0.0216								
6/30/2015	0.1038	0.1472	0.1510	0.0293									
6/30/2016	0.2065	0.1172	0.1546										
6/30/2017	0.1399	0.1014											
6/30/2018	0.1402												

Best 3/5	0.1546	0.1652	0.1422	0.0973	0.0441	0.0581	0.0071	0.0174	0.0019	0.0005	0.0005	0.0002	0.0021
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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	
6/30/2000	250,988,407	340,310,677	382,592,791	389,089,816	389,831,909	385,589,395	379,898,964	377,742,618	377,146,044	377,200,810	376,838,938	
6/30/2001	241,430,825	312,203,727	348,949,456	366,962,163	366,863,576	359,850,633	358,436,280	356,149,462	355,527,634	354,609,717	354,314,924	
6/30/2002	218,039,819	273,352,058	327,037,646	339,811,794	335,529,209	331,747,258	328,631,675	327,989,070	327,530,414	326,842,981	327,267,103	
6/30/2003	227,345,024	305,483,152	363,774,112	369,566,641	361,264,851	354,945,156	353,062,254	350,355,237	349,054,346	348,852,698	348,834,401	
6/30/2004	255,054,381	342,392,059	369,494,815	375,183,937	370,635,405	366,688,507	364,390,166	363,015,381	362,640,972	362,084,928	361,763,701	
6/30/2005	263,968,800	307,921,559	348,378,289	352,721,860	353,097,601	347,386,573	345,168,986	344,040,180	342,704,342	343,292,865	343,452,336	
6/30/2006	244,042,217	319,994,749	357,966,380	369,142,692	363,492,559	356,883,472	353,740,939	352,711,070	352,033,939	352,134,793	351,759,379	
6/30/2007	271,495,919	346,558,836	386,061,592	391,598,525	385,377,392	379,559,662	376,928,323	375,002,595	373,916,697	373,824,962	373,842,023	
6/30/2008	288,560,090	362,427,969	406,238,059	411,664,237	405,490,515	400,194,562	397,965,121	396,359,819	396,267,830	395,507,996	395,283,236	
6/30/2009	301,307,751	383,931,365	424,214,134	424,634,199	418,331,782	415,403,763	411,712,914	409,678,897	408,802,977	408,515,487	409,306,618	
6/30/2010	324,915,535	409,370,864	458,296,872	461,095,993	454,622,337	449,810,633	446,612,205	445,255,187	444,554,532	444,371,502		
6/30/2011	352,832,615	445,734,922	495,479,125	503,630,658	495,088,069	489,902,599	486,129,116	484,268,098	483,932,801			
6/30/2012	298,826,251	381,453,590	427,073,682	427,439,706	425,473,959	421,862,732	420,658,662	421,033,585				
6/30/2013	301,396,858	383,007,011	417,408,933	424,683,301	425,789,012	423,956,286	423,803,526					
6/30/2014	329,897,308	419,945,122	480,009,739	513,798,761	513,582,038	514,758,428						
6/30/2015	291,922,543	397,367,396	480,582,277	508,999,409	517,157,140							
6/30/2016	276,102,484	391,112,469	467,840,893	503,502,861								
6/30/2017	298,039,533	423,409,119	518,530,495									
6/30/2018	341,329,368	482,975,929										
6/30/2019	325,119,119											
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months			
6/30/2000	377,006,618	376,726,118	376,546,965	376,817,471	376,767,018	376,698,866	376,740,446	376,650,625	376,939,948			
6/30/2001	354,616,842	354,637,553	355,009,091	355,316,831	355,462,989	355,337,210	355,316,039	355,372,513				
6/30/2002	326,975,412	327,270,867	327,768,761	327,343,975	327,540,529	327,500,561	327,613,294					
6/30/2003	348,859,483	348,961,968	349,092,076	349,059,810	349,058,165	349,419,463						
6/30/2004	362,132,620	362,075,860	362,094,302	361,985,356	362,176,970							
6/30/2005	343,391,641	343,456,591	343,794,109	344,246,746								
6/30/2006	351,508,430	351,266,572	351,669,797									
6/30/2007	373,723,700	374,282,276										
6/30/2008	395,472,953											

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
6/30/2000	1.356	1.124	1.017	1.002	0.989	0.985	0.994	0.998	1.000	0.999	1.000
6/30/2001	1.293	1.118	1.052	1.000	0.981	0.996	0.994	0.998	0.997	0.999	1.001
6/30/2002	1.254	1.196	1.039	0.987	0.989	0.991	0.998	0.999	0.998	1.001	0.999
6/30/2003	1.344	1.191	1.016	0.978	0.983	0.995	0.992	0.996	0.999	1.000	1.000
6/30/2004	1.342	1.079	1.015	0.988	0.989	0.994	0.996	0.999	0.998	0.999	1.001
6/30/2005	1.167	1.131	1.012	1.001	0.984	0.994	0.997	0.996	1.002	1.000	1.000
6/30/2006	1.311	1.119	1.031	0.985	0.982	0.991	0.997	0.998	1.000	0.999	0.999
6/30/2007	1.276	1.114	1.014	0.984	0.985	0.993	0.995	0.997	1.000	1.000	1.000
6/30/2008	1.256	1.121	1.013	0.985	0.987	0.994	0.996	1.000	0.998	0.999	1.000
6/30/2009	1.274	1.105	1.001	0.985	0.993	0.991	0.995	0.998	0.999	1.002	
6/30/2010	1.260	1.120	1.006	0.986	0.989	0.993	0.997	0.998	1.000		
6/30/2011	1.263	1.112	1.016	0.983	0.990	0.992	0.996	0.999			
6/30/2012	1.277	1.120	1.001	0.995	0.992	0.997	1.001				
6/30/2013	1.271	1.090	1.017	1.003	0.996	1.000					
6/30/2014	1.273	1.143	1.070	1.000	1.002						
6/30/2015	1.361	1.209	1.059	1.016							
6/30/2016	1.417	1.196	1.076								
6/30/2017	1.421	1.225									
6/30/2018	1.415										
3 Yr Mean	1.418	1.210	1.068	1.006	0.997	0.996	0.998	0.998	0.999	1.000	1.000
Best 3/5	1.398	1.183	1.049	0.999	0.993	0.994	0.996	0.998	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			
6/30/2000	0.999	1.000	1.001	1.000	1.000	1.000	1.000	1.001			
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	1.000 *	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								
6/30/2006	0.999	1.001									
6/30/2007	1.001										
3 Yr Mean	1.000	1.001	1.000	1.001	1.000 @	1.000 @	1.000 @	1.001 @			
Best 3/5	1.000	1.001	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
6/30/2015					0.993	0.994	0.996	0.998	1.000	1.000	1.000
6/30/2016				0.999	0.993	0.994	0.996	0.998	1.000	1.000	1.000
6/30/2017			1.049	0.999	0.993	0.994	0.996	0.998	1.000	1.000	1.000
6/30/2018		1.183	1.049	0.999	0.993	0.994	0.996	0.998	1.000	1.000	1.000
6/30/2019	1.398	1.183	1.049	0.999	0.993	0.994	0.996	0.998	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/U1t	FACTORS
6/30/2015	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.982
6/30/2016	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.981
6/30/2017	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.029
6/30/2018	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.218
6/30/2019	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.702

* 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
6/30/2000	10,149,048	15,162,861	17,894,751	16,990,301	16,066,363	16,495,646	16,479,942	16,054,875	16,009,429	15,994,428	15,975,678
6/30/2001	13,608,608	20,283,548	23,823,483	24,156,287	23,686,123	24,293,159	24,089,987	23,915,823	23,931,764	23,851,357	23,951,356
6/30/2002	13,721,497	19,771,009	20,060,236	20,081,599	20,842,885	20,486,697	20,679,585	20,413,830	20,580,355	20,490,142	20,490,141
6/30/2003	17,685,547	19,750,585	22,295,114	23,383,728	23,699,305	23,178,322	22,856,213	22,659,021	22,584,178	22,612,219	22,727,940
6/30/2004	18,606,779	26,725,886	25,335,331	27,616,861	26,358,235	25,597,242	24,864,977	24,747,230	24,586,504	24,748,038	24,779,911
6/30/2005	15,928,888	25,154,430	25,385,937	23,442,101	21,900,501	21,110,456	20,698,309	20,498,875	20,493,875	20,377,901	20,377,898
6/30/2006	15,466,080	19,260,905	21,923,157	21,529,779	21,126,070	21,094,787	21,279,980	21,330,090	21,447,488	21,369,282	21,439,282
6/30/2007	15,770,988	21,107,599	24,112,412	24,752,696	24,041,670	23,465,810	23,184,342	23,291,884	23,281,680	23,282,179	23,237,179
6/30/2008	18,021,084	22,317,501	25,006,285	25,037,666	24,782,675	24,243,889	24,303,760	24,214,043	24,065,708	24,055,522	23,975,235
6/30/2009	17,108,317	20,898,537	21,536,046	23,316,589	22,679,562	22,359,613	22,385,841	22,239,005	22,274,227	22,243,373	22,240,468
6/30/2010	13,307,504	14,002,733	16,783,105	17,583,071	18,135,912	17,782,029	17,740,624	17,605,640	17,620,887	17,732,234	
6/30/2011	11,833,510	16,521,332	18,875,990	19,608,344	19,342,626	19,161,100	18,906,232	18,896,367	18,841,890		
6/30/2012	11,991,958	15,751,021	17,193,703	17,401,097	17,615,705	17,365,065	17,684,442	17,953,878			
6/30/2013	12,136,640	15,482,405	17,037,223	17,664,481	18,014,151	18,003,573	17,958,503				
6/30/2014	14,779,456	17,971,206	20,878,501	22,281,299	22,769,481	23,036,029					
6/30/2015	15,151,162	20,881,048	24,556,406	28,232,748	28,156,811						
6/30/2016	17,232,169	21,578,831	27,556,568	28,463,785							
6/30/2017	14,857,184	23,919,027	30,401,340								
6/30/2018	17,927,168	27,534,448									
6/30/2019	19,235,277										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	15,975,678	15,975,928	16,175,928	16,175,928	16,170,928	16,170,928	16,271,928	16,271,928	16,270,928		
6/30/2001	23,931,607	23,936,607	23,936,606	23,836,606	23,836,606	23,936,606	23,936,608	23,937,606			
6/30/2002	20,540,140	20,695,639	20,682,100	20,907,639	20,952,302	20,952,693	20,952,693				
6/30/2003	22,653,991	22,647,623	22,640,930	22,640,930	22,656,930	22,656,930					
6/30/2004	24,756,101	24,778,602	24,828,601	24,828,601	24,828,601						
6/30/2005	20,382,898	20,377,898	20,377,923	20,434,343							
6/30/2006	21,339,282	21,439,282	21,439,282								
6/30/2007	23,120,009	23,120,109									
6/30/2008	23,975,135										

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
6/30/2000	1.494	1.180	0.949	0.946	1.027	0.999	0.974	0.997	0.999	0.999	1.000
6/30/2001	1.490	1.175	1.014	0.981	1.026	0.992	0.993	1.001	0.997	1.004	0.999
6/30/2002	1.441	1.015	1.001	1.038	0.983	1.009	0.987	1.008	0.996	1.000	1.002
6/30/2003	1.117	1.129	1.049	1.013	0.978	0.986	0.991	0.997	1.001	1.005	0.997
6/30/2004	1.436	0.948	1.090	0.954	0.971	0.971	0.995	0.994	1.007	1.001	0.999
6/30/2005	1.579	1.009	0.923	0.934	0.964	0.980	0.990	1.000	0.994	1.000	1.000
6/30/2006	1.245	1.138	0.982	0.981	0.999	1.009	1.002	1.006	0.996	1.003	0.995
6/30/2007	1.338	1.142	1.027	0.971	0.976	0.988	1.005	1.000	1.000	0.998	0.995
6/30/2008	1.238	1.120	1.001	0.990	0.978	1.002	0.996	0.994	1.000	0.997	1.000
6/30/2009	1.222	1.031	1.083	0.973	0.986	1.001	0.993	1.002	0.999	1.000	
6/30/2010	1.052	1.199	1.048	1.031	0.980	0.998	0.992	1.001	1.006		
6/30/2011	1.396	1.143	1.039	0.986	0.991	0.987	0.999	0.997			
6/30/2012	1.313	1.092	1.012	1.012	0.986	1.018	1.015				
6/30/2013	1.276	1.100	1.037	1.020	0.999	0.997					
6/30/2014	1.216	1.162	1.067	1.022	1.012						
6/30/2015	1.378	1.176	1.150	0.997							
6/30/2016	1.252	1.277	1.033								
6/30/2017	1.610	1.271									
6/30/2018	1.536										
3 Yr Mean	1.466	1.241	1.083	1.013	0.999	1.001	1.002	1.000	1.002	0.998	0.997
Best 3/5	1.389	1.203	1.046	1.010	0.992	0.999	0.996	0.999	1.000	0.999	0.998

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2000	1.000	1.013	1.000	1.000	1.000	1.006	1.000	1.000			
6/30/2001	1.000	1.000	0.996	1.000	1.004	1.000	1.000	1.000 *			
6/30/2002	1.008	0.999	1.011	1.002	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	1.000 *	1.000 *	1.000 *	1.000 *			
6/30/2005	1.000	1.000	1.003								
6/30/2006	1.005	1.000									
6/30/2007	1.000										
3 Yr Mean	1.002	1.001	1.001	1.001	1.001 @	1.002 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.001	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
6/30/2015					0.992	0.999	0.996	0.999	1.000	0.999	0.998
6/30/2016				1.010	0.992	0.999	0.996	0.999	1.000	0.999	0.998
6/30/2017			1.046	1.010	0.992	0.999	0.996	0.999	1.000	0.999	0.998
6/30/2018		1.203	1.046	1.010	0.992	0.999	0.996	0.999	1.000	0.999	0.998
6/30/2019	1.389	1.203	1.046	1.010	0.992	0.999	0.996	0.999	1.000	0.999	0.998

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
6/30/2015	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.984
6/30/2016	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.994
6/30/2017	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.040
6/30/2018	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.251
6/30/2019	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.737

* 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>
6/30/2000	32,920,786	65,227,878	94,772,883	116,430,517	127,051,800	132,150,115	136,494,149	138,341,835	140,703,924	142,137,394	142,188,363
6/30/2001	36,736,995	64,848,053	95,201,155	115,603,068	129,073,792	139,783,558	142,713,174	144,800,114	146,229,644	148,942,734	150,403,243
6/30/2002	35,281,520	58,333,358	96,269,157	117,557,554	136,297,650	141,683,644	146,982,321	149,463,476	150,141,121	151,705,502	151,644,531
6/30/2003	35,484,028	67,071,531	103,994,427	136,401,836	151,055,412	155,857,905	159,611,716	161,154,955	162,899,035	164,345,015	164,447,412
6/30/2004	34,097,995	67,890,028	110,079,803	137,070,594	145,760,842	151,891,843	153,968,684	155,555,279	156,271,657	157,432,354	158,316,777
6/30/2005	31,940,743	67,010,688	109,064,820	136,257,262	148,926,044	154,508,142	157,763,411	160,553,873	161,736,776	163,352,001	163,874,866
6/30/2006	26,393,334	66,942,374	107,279,591	137,032,452	148,896,977	156,120,748	160,586,205	160,125,094	161,743,388	163,165,896	163,830,049
6/30/2007	29,513,067	70,926,920	112,106,156	144,845,214	159,751,689	166,101,390	168,582,699	169,901,836	173,044,081	173,904,593	174,519,804
6/30/2008	29,645,077	71,284,816	126,527,610	165,259,741	184,625,130	193,557,568	197,458,055	200,105,477	201,334,359	200,269,903	201,089,923
6/30/2009	35,381,536	79,439,674	129,879,705	172,154,375	188,112,756	196,160,472	200,271,708	203,836,834	205,996,782	206,434,304	212,681,441
6/30/2010	41,367,143	88,091,681	146,570,449	180,572,446	198,085,926	208,504,091	212,066,910	213,280,435	216,209,451	217,369,648	
6/30/2011	47,101,337	101,729,539	165,530,226	207,028,531	225,638,079	233,860,337	238,341,131	240,154,822	239,800,213		
6/30/2012	42,534,282	90,529,998	149,441,873	189,002,611	210,610,229	220,054,864	224,984,861	227,289,300			
6/30/2013	43,546,598	94,609,091	150,106,546	194,715,120	218,111,119	225,252,313	227,838,039				
6/30/2014	51,088,167	110,993,255	179,720,447	231,530,989	254,780,232	267,277,560					
6/30/2015	46,301,680	104,791,968	173,550,082	221,772,878	243,885,477						
6/30/2016	46,308,304	107,794,690	176,112,343	221,333,307							
6/30/2017	45,247,123	99,032,794	168,270,135								
6/30/2018	48,756,264	109,061,150									
6/30/2019	43,126,984										

<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>
6/30/2000	144,252,221	144,633,195	144,594,179	144,838,010	146,186,126	145,801,505	145,876,559	146,761,703	147,933,670
6/30/2001	150,262,877	151,261,620	152,800,960	154,347,364	154,886,154	154,946,003	154,927,100	155,635,637	
6/30/2002	152,182,103	153,719,284	154,184,767	154,860,373	154,975,548	155,283,591	155,377,827		
6/30/2003	165,458,560	165,969,470	166,500,515	166,397,623	166,812,967	166,765,973			
6/30/2004	158,960,189	159,793,132	160,139,304	160,797,159	160,587,499				
6/30/2005	163,708,538	164,327,350	166,344,545	167,977,434					
6/30/2006	164,663,333	164,768,198	165,174,622						
6/30/2007	174,368,434	174,612,161							
6/30/2008	201,347,491								

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
6/30/2000	32,307,092	29,545,005	21,657,634	10,621,283	5,098,315	4,344,034	1,847,686	2,362,089	1,433,470	50,969	2,063,858	380,974	-39,016
6/30/2001	28,111,058	30,353,102	20,401,913	13,470,724	10,709,766	2,929,616	2,086,940	1,429,530	2,713,090	1,460,509	-140,366	998,743	1,539,340
6/30/2002	23,051,838	37,935,799	21,288,397	18,740,096	5,385,994	5,298,677	2,481,155	677,645	1,564,381	-60,971	537,572	1,537,181	465,483
6/30/2003	31,587,503	36,922,896	32,407,409	14,653,576	4,802,493	3,753,811	1,543,239	1,744,080	1,445,980	102,397	1,011,148	510,910	531,045
6/30/2004	33,792,033	42,189,775	26,990,791	8,690,248	6,131,001	2,076,841	1,586,595	716,378	1,160,697	884,423	643,412	832,943	346,172
6/30/2005	35,069,945	42,054,132	27,192,442	12,668,782	5,582,098	3,255,269	2,790,462	1,182,903	1,615,225	522,865	-166,328	618,812	2,017,195
6/30/2006	40,549,040	40,337,217	29,752,861	11,864,525	7,223,771	4,465,457	-461,111	1,618,294	1,422,508	664,153	833,284	104,865	406,424
6/30/2007	41,413,853	41,179,236	32,739,058	14,906,475	6,349,701	2,481,309	1,319,137	3,142,245	860,512	615,211	-151,370	243,727	
6/30/2008	41,639,739	55,242,794	38,732,131	19,365,389	8,932,438	3,900,487	2,647,422	1,228,882	-1,064,456	820,020	257,568		
6/30/2009	44,058,138	50,440,031	42,274,670	15,958,381	8,047,716	4,111,236	3,565,126	2,159,948	437,522	6,247,137			
6/30/2010	46,724,538	58,478,768	34,001,997	17,513,480	10,418,165	3,562,819	1,213,525	2,929,016	1,160,197				
6/30/2011	54,628,202	63,800,687	41,498,305	18,609,548	8,222,258	4,480,794	1,813,691	-354,609					
6/30/2012	47,995,716	58,911,875	39,560,738	21,607,618	9,444,635	4,929,997	2,304,439						
6/30/2013	51,062,493	55,497,455	44,608,574	23,395,999	7,141,194	2,585,726							
6/30/2014	59,905,088	68,727,192	51,810,542	23,249,243	12,497,328								
6/30/2015	58,490,288	68,758,114	48,222,796	22,112,599									
6/30/2016	61,486,386	68,317,653	45,220,964										
6/30/2017	53,785,671	69,237,341											
6/30/2018	60,304,886												

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
6/30/2000	0.0615	0.0562	0.0412	0.0202	0.0097	0.0083	0.0035	0.0045	0.0027	0.0001	0.0039	0.0007	-0.0001
6/30/2001	0.0547	0.0590	0.0397	0.0262	0.0208	0.0057	0.0041	0.0028	0.0053	0.0028	-0.0003	0.0019	0.0030
6/30/2002	0.0473	0.0778	0.0437	0.0385	0.0111	0.0109	0.0051	0.0014	0.0032	-0.0001	0.0011	0.0032	0.0010
6/30/2003	0.0614	0.0718	0.0630	0.0285	0.0093	0.0073	0.0030	0.0034	0.0028	0.0002	0.0020	0.0010	0.0010
6/30/2004	0.0641	0.0800	0.0512	0.0165	0.0116	0.0039	0.0030	0.0014	0.0022	0.0017	0.0012	0.0016	0.0007
6/30/2005	0.0684	0.0820	0.0530	0.0247	0.0109	0.0063	0.0054	0.0023	0.0032	0.0010	-0.0003	0.0012	0.0039
6/30/2006	0.0775	0.0771	0.0569	0.0227	0.0138	0.0085	-0.0009	0.0031	0.0027	0.0013	0.0016	0.0002	0.0008
6/30/2007	0.0728	0.0724	0.0576	0.0262	0.0112	0.0044	0.0023	0.0055	0.0015	0.0011	-0.0003	0.0004	
6/30/2008	0.0684	0.0907	0.0636	0.0318	0.0147	0.0064	0.0043	0.0020	-0.0017	0.0013	0.0004		
6/30/2009	0.0703	0.0804	0.0674	0.0255	0.0128	0.0066	0.0057	0.0034	0.0007	0.0100			
6/30/2010	0.0681	0.0852	0.0495	0.0255	0.0152	0.0052	0.0018	0.0043	0.0017				
6/30/2011	0.0737	0.0861	0.0560	0.0251	0.0111	0.0060	0.0024	-0.0005					
6/30/2012	0.0703	0.0863	0.0579	0.0316	0.0138	0.0072	0.0034						
6/30/2013	0.0751	0.0816	0.0656	0.0344	0.0105	0.0038							
6/30/2014	0.0719	0.0825	0.0622	0.0279	0.0150								
6/30/2015	0.0700	0.0823	0.0577	0.0265									
6/30/2016	0.0720	0.0800	0.0529										
6/30/2017	0.0606	0.0780											
6/30/2018	0.0606												

Best 3/5	0.0675	0.0813	0.0593	0.0287	0.0133	0.0059	0.0034	0.0032	0.0013	0.0012	0.0005	0.0009	0.0009
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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:											
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
6/30/2000	41,678,098	52,083,712	48,270,025	50,529,505	49,930,459	49,891,427	49,734,708	49,656,405	49,945,509	50,395,931	50,446,779
6/30/2001	39,115,859	38,894,115	44,272,047	44,797,526	45,419,342	45,099,635	45,563,830	45,754,913	46,183,106	46,736,408	47,109,298
6/30/2002	30,843,880	35,888,744	37,034,594	38,356,564	38,836,796	39,471,915	40,242,687	40,512,484	40,961,806	41,113,210	41,435,206
6/30/2003	31,985,495	33,980,822	36,356,036	36,127,335	38,699,431	38,861,215	38,841,215	39,158,716	38,776,142	39,208,487	39,471,358
6/30/2004	29,353,055	33,407,005	34,578,538	35,948,309	37,718,298	38,018,519	37,896,838	37,998,621	38,076,135	38,291,479	38,480,936
6/30/2005	28,767,702	30,390,751	33,792,469	34,502,966	35,379,759	35,618,923	35,758,725	36,008,236	36,362,541	36,848,039	36,705,452
6/30/2006	27,668,401	29,950,806	31,621,986	32,232,020	32,679,850	33,505,798	33,824,366	33,914,211	34,055,030	33,882,034	33,957,961
6/30/2007	28,956,659	32,202,557	34,398,667	34,880,322	35,411,689	35,510,263	35,806,463	36,262,324	36,992,938	36,924,952	37,016,141
6/30/2008	33,536,638	37,164,749	38,514,333	38,711,427	39,287,777	40,068,798	40,488,969	40,466,648	40,639,770	40,934,984	40,910,358
6/30/2009	36,500,556	37,956,966	39,884,473	40,191,085	40,254,725	40,719,667	40,645,131	40,653,091	40,871,680	41,197,922	41,428,977
6/30/2010	36,466,493	41,219,683	43,013,216	43,816,132	44,627,418	44,620,151	44,586,879	44,572,550	44,850,075	44,964,290	
6/30/2011	43,136,544	46,881,038	47,688,031	48,077,932	48,174,134	48,429,112	48,761,029	49,292,913	49,391,496		
6/30/2012	42,246,932	45,353,124	47,399,928	47,738,456	48,222,341	48,236,292	48,930,708	49,106,280			
6/30/2013	38,905,468	42,959,008	44,718,663	46,475,153	46,951,911	47,757,175	48,716,462				
6/30/2014	45,773,771	48,334,700	49,951,210	52,032,666	52,597,388	52,948,151					
6/30/2015	44,269,712	48,000,805	49,395,683	52,856,148	54,390,823						
6/30/2016	36,700,671	41,702,761	47,526,303	47,736,297							
6/30/2017	40,296,600	46,850,845	50,896,850								
6/30/2018	41,943,363	51,216,963									
6/30/2019	45,621,033										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	50,141,838	50,115,808	50,253,392	50,424,823	50,449,282	50,446,462	50,801,125	50,642,171	50,812,834		
6/30/2001	47,140,502	47,333,281	47,446,927	47,420,602	47,546,707	47,620,704	47,612,461	47,698,862			
6/30/2002	41,696,166	41,552,332	41,473,009	41,701,952	41,745,098	41,852,533	41,822,073				
6/30/2003	39,488,984	39,542,906	39,620,919	39,661,926	39,678,176	39,757,999					
6/30/2004	38,786,137	38,890,204	38,865,610	38,866,813	39,074,482						
6/30/2005	36,639,491	36,525,948	36,428,527	36,436,167							
6/30/2006	34,050,039	33,938,924	34,091,114								
6/30/2007	36,857,236	36,919,058									
6/30/2008	41,033,414										

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
6/30/2000	1.250	0.927	1.047	0.988	0.999	0.997	0.998	1.006	1.009	1.001	0.994
6/30/2001	0.994	1.138	1.012	1.014	0.993	1.010	1.004	1.009	1.012	1.008	1.001
6/30/2002	1.164	1.032	1.036	1.013	1.016	1.020	1.007	1.011	1.004	1.008	1.006
6/30/2003	1.062	1.070	0.994	1.071	1.004	0.999	1.008	0.990	1.011	1.007	1.000
6/30/2004	1.138	1.035	1.040	1.049	1.008	0.997	1.003	1.002	1.006	1.005	1.008
6/30/2005	1.056	1.112	1.021	1.025	1.007	1.004	1.007	1.010	1.013	0.996	0.998
6/30/2006	1.082	1.056	1.019	1.014	1.025	1.010	1.003	1.004	0.995	1.002	1.003
6/30/2007	1.112	1.068	1.014	1.015	1.003	1.008	1.013	1.020	0.998	1.002	0.996
6/30/2008	1.108	1.036	1.005	1.015	1.020	1.010	0.999	1.004	1.007	0.999	1.003
6/30/2009	1.040	1.051	1.008	1.002	1.012	0.998	1.000	1.005	1.008	1.006	
6/30/2010	1.130	1.044	1.019	1.019	1.000	0.999	1.000	1.006	1.003		
6/30/2011	1.087	1.017	1.008	1.002	1.005	1.007	1.011	1.002			
6/30/2012	1.074	1.045	1.007	1.010	1.000	1.014	1.004				
6/30/2013	1.104	1.041	1.039	1.010	1.017	1.020					
6/30/2014	1.056	1.033	1.042	1.011	1.007						
6/30/2015	1.084	1.029	1.070	1.029							
6/30/2016	1.136	1.140	1.004								
6/30/2017	1.163	1.086									
6/30/2018	1.221										
3 Yr Mean	1.173	1.085	1.039	1.017	1.008	1.014	1.005	1.004	1.006	1.002	1.001
Best 3/5	1.128	1.053	1.029	1.010	1.004	1.007	1.001	1.005	1.003	1.001	1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2000	0.999	1.003	1.003	1.000	1.000	1.007	0.997	1.003			
6/30/2001	1.004	1.002	0.999	1.003	1.002	1.000	1.002	1.001 *			
6/30/2002	0.997	0.998	1.006	1.001	1.003	0.999	1.001 *	1.001 *			
6/30/2003	1.001	1.002	1.001	1.000	1.002	1.002 *	1.001 *	1.001 *			
6/30/2004	1.003	0.999	1.000	1.005	1.001 *	1.002 *	1.001 *	1.001 *			
6/30/2005	0.997	0.997	1.000								
6/30/2006	0.997	1.004									
6/30/2007	1.002										
3 Yr Mean	0.999	1.000	1.000	1.002	1.002 @	1.002 @	1.000 @	1.003 @			
Best 3/5	1.000	1.000	1.000	1.001	1.002 *	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
6/30/2015					1.004	1.007	1.001	1.005	1.003	1.001	1.001
6/30/2016				1.010	1.004	1.007	1.001	1.005	1.003	1.001	1.001
6/30/2017			1.029	1.010	1.004	1.007	1.001	1.005	1.003	1.001	1.001
6/30/2018		1.053	1.029	1.010	1.004	1.007	1.001	1.005	1.003	1.001	1.001
6/30/2019	1.128	1.053	1.029	1.010	1.004	1.007	1.001	1.005	1.003	1.001	1.001

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
6/30/2015	1.000	1.000	1.000	1.001	1.002	1.001	1.001	1.001	1.004*	1.032
6/30/2016	1.000	1.000	1.000	1.001	1.002	1.001	1.001	1.001	1.004*	1.043
6/30/2017	1.000	1.000	1.000	1.001	1.002	1.001	1.001	1.001	1.004*	1.073
6/30/2018	1.000	1.000	1.000	1.001	1.002	1.001	1.001	1.001	1.004*	1.130
6/30/2019	1.000	1.000	1.000	1.001	1.002	1.001	1.001	1.001	1.004*	1.275

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

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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
6/30/2000	2,023,894	2,495,511	2,550,760	2,655,301	2,543,311	2,726,909	2,750,901	2,910,342	2,876,453	2,875,973	2,867,648
6/30/2001	2,115,401	2,450,828	2,774,218	2,938,571	2,935,176	3,014,676	3,148,106	2,914,754	3,061,652	3,086,597	3,145,962
6/30/2002	1,631,044	1,913,599	1,983,961	2,097,101	2,202,310	2,313,278	2,249,262	2,181,834	2,287,333	2,287,334	2,293,834
6/30/2003	1,704,068	1,751,684	1,816,374	1,973,402	1,992,020	1,875,474	1,880,101	1,935,816	1,960,933	1,958,083	1,959,083
6/30/2004	2,249,914	2,385,559	2,678,439	3,054,294	3,218,805	3,199,591	3,111,813	3,204,830	3,146,830	3,214,400	3,213,521
6/30/2005	2,337,502	2,349,239	2,283,660	2,670,560	2,614,155	2,785,177	2,630,195	2,749,237	2,710,738	2,722,026	2,718,026
6/30/2006	1,751,365	2,015,934	2,277,807	2,218,811	2,277,794	2,409,480	2,521,179	2,534,276	2,522,235	2,524,458	2,455,092
6/30/2007	1,771,337	2,318,672	2,826,129	2,642,214	2,627,386	2,462,197	2,431,833	2,456,811	2,554,812	2,554,811	2,554,811
6/30/2008	1,483,524	1,910,416	1,473,660	1,513,256	1,452,971	1,485,001	1,463,190	1,455,990	1,457,990	1,458,092	1,479,301
6/30/2009	2,726,359	2,087,022	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	1,861,947	1,862,570	1,816,720	1,915,411	2,013,741	2,056,741	2,107,736	2,056,736	2,155,741	2,051,095	
6/30/2011	1,584,144	1,735,017	1,995,440	1,888,856	2,009,342	2,024,056	1,995,965	1,991,964	1,991,964		
6/30/2012	1,198,527	1,532,562	1,680,772	1,970,578	1,950,817	2,415,175	2,463,529	2,342,014			
6/30/2013	1,796,227	1,868,386	1,953,448	1,939,602	2,156,734	2,123,234	2,123,223				
6/30/2014	1,891,310	1,892,728	1,692,279	1,840,245	1,932,595	1,873,349					
6/30/2015	2,471,976	2,612,453	2,424,534	2,645,595	2,456,549						
6/30/2016	1,933,690	2,176,051	2,542,443	2,764,018							
6/30/2017	2,112,821	2,374,454	2,622,789								
6/30/2018	2,842,179	3,448,905									
6/30/2019	2,561,183										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	2,892,173	2,863,048	2,863,048	2,862,948	2,862,948	2,862,948	2,962,948	2,962,948	2,962,948		
6/30/2001	3,141,337	3,141,646	2,991,646	3,016,748	3,041,748	3,131,210	3,131,210	3,141,109			
6/30/2002	2,298,833	2,326,834	2,318,833	2,318,833	2,418,833	2,418,833	2,423,833				
6/30/2003	1,967,583	1,967,583	2,067,583	2,267,583	2,360,914	2,365,692					
6/30/2004	3,314,400	3,316,276	3,324,176	3,314,664	3,314,564						
6/30/2005	2,722,247	2,718,033	2,718,033	2,724,061							
6/30/2006	2,458,857	2,554,047	2,563,194								
6/30/2007	2,554,812	2,640,182									
6/30/2008	1,474,301										

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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
6/30/2000	1.233	1.022	1.041	0.958	1.072	1.009	1.058	0.988	1.000	0.997	1.009
6/30/2001	1.159	1.132	1.059	0.999	1.027	1.044	0.926	1.050	1.008	1.019	0.999
6/30/2002	1.173	1.037	1.057	1.050	1.050	0.972	0.970	1.048	1.000	1.003	1.002
6/30/2003	1.028	1.037	1.086	1.009	0.941	1.002	1.030	1.013	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	1.151	1.130	0.974	1.027	1.058	1.046	1.005	0.995	1.001	0.973	1.002
6/30/2007	1.309	1.219	0.935	0.994	0.937	0.988	1.010	1.040	1.000	1.000	1.000
6/30/2008	1.288	0.771	1.027	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	
6/30/2010	1.000	0.975	1.054	1.051	1.021	1.025	0.976	1.048	0.951		
6/30/2011	1.095	1.150	0.947	1.064	1.007	0.986	0.998	1.000			
6/30/2012	1.279	1.097	1.172	0.990	1.238	1.020	0.951				
6/30/2013	1.040	1.046	0.993	1.112	0.984	1.000					
6/30/2014	1.001	0.894	1.087	1.050	0.969						
6/30/2015	1.057	0.928	1.091	0.929							
6/30/2016	1.125	1.168	1.087								
6/30/2017	1.124	1.105									
6/30/2018	1.213										
3 Yr Mean	1.154	1.067	1.088	1.030	1.064	1.002	0.975	1.016	0.984	1.006	1.000
Best 3/5	1.102	1.026	1.088	1.035	1.004	1.015	0.979	1.014	1.000	1.000	1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2000	0.990	1.000	1.000	1.000	1.000	1.035	1.000	1.000			
6/30/2001	1.000	0.952	1.008	1.008	1.029	1.000	1.003	1.001 *			
6/30/2002	1.012	0.997	1.000	1.043	1.000	1.002	1.001 *	1.001 *			
6/30/2003	1.000	1.051	1.097	1.041	1.002	1.002 *	1.001 *	1.001 *			
6/30/2004	1.001	1.002	0.997	1.000	1.016 *	1.002 *	1.001 *	1.001 *			
6/30/2005	0.998	1.000	1.002								
6/30/2006	1.039	1.004									
6/30/2007	1.033										
3 Yr Mean	1.023	1.002	1.032	1.028	1.010 @	1.012 @	1.002 @	1.000 @			
Best 3/5	1.011	1.002	1.003	1.016	1.006 *	1.002 *	1.001 *	1.001 *			

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
6/30/2015					1.004	1.015	0.979	1.014	1.000	1.000	1.001
6/30/2016				1.035	1.004	1.015	0.979	1.014	1.000	1.000	1.001
6/30/2017			1.088	1.035	1.004	1.015	0.979	1.014	1.000	1.000	1.001
6/30/2018		1.026	1.088	1.035	1.004	1.015	0.979	1.014	1.000	1.000	1.001
6/30/2019	1.102	1.026	1.088	1.035	1.004	1.015	0.979	1.014	1.000	1.000	1.001

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
6/30/2015	1.011	1.002	1.003	1.016	1.006	1.002	1.001	1.001	1.004*	1.060
6/30/2016	1.011	1.002	1.003	1.016	1.006	1.002	1.001	1.001	1.004*	1.097
6/30/2017	1.011	1.002	1.003	1.016	1.006	1.002	1.001	1.001	1.004*	1.194
6/30/2018	1.011	1.002	1.003	1.016	1.006	1.002	1.001	1.001	1.004*	1.225
6/30/2019	1.011	1.002	1.003	1.016	1.006	1.002	1.001	1.001	1.004*	1.350

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

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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>
6/30/2000	4,498,312	10,251,623	14,900,066	19,248,926	20,558,052	21,831,280	25,526,900	25,973,353	26,060,286	26,492,727	26,999,590
6/30/2001	5,752,533	10,468,671	17,429,917	20,742,069	25,157,114	29,185,995	32,581,378	36,226,581	37,694,947	37,747,168	37,687,646
6/30/2002	3,628,657	8,254,913	10,605,155	15,682,186	20,032,596	27,778,708	31,412,432	34,867,471	36,859,934	37,525,879	38,477,013
6/30/2003	3,360,394	6,930,329	10,929,349	14,996,335	18,519,904	20,067,957	21,545,499	22,291,266	22,677,864	23,108,927	23,286,496
6/30/2004	3,311,909	7,131,277	11,517,266	15,408,360	19,442,787	22,471,706	24,550,881	25,284,553	26,665,498	27,501,537	27,521,406
6/30/2005	3,707,735	7,304,518	12,951,214	16,440,574	19,381,132	21,300,935	22,287,301	23,018,709	23,935,751	25,709,984	25,975,474
6/30/2006	2,650,519	6,327,238	10,432,883	14,152,089	15,853,055	19,495,180	21,715,494	22,434,377	22,488,494	22,880,705	25,965,676
6/30/2007	3,543,927	8,875,678	13,568,851	18,643,355	20,795,347	22,950,393	25,564,496	26,223,793	28,153,989	28,529,619	28,804,569
6/30/2008	4,377,770	9,003,212	14,731,964	19,598,128	24,175,012	26,606,328	27,499,997	28,600,618	29,728,549	30,603,554	31,625,291
6/30/2009	4,152,909	8,503,243	14,287,048	17,457,592	21,442,508	23,239,955	24,359,599	25,560,399	26,459,293	31,083,293	31,441,786
6/30/2010	4,818,516	10,273,107	16,209,284	21,138,304	24,719,911	26,818,787	29,370,998	30,398,986	31,160,110	31,419,389	
6/30/2011	5,592,872	12,879,858	17,827,927	22,852,401	27,024,498	29,335,207	29,771,161	30,291,809	30,633,141		
6/30/2012	6,525,817	12,009,260	18,389,758	23,335,752	26,725,365	29,162,178	31,092,033	32,661,615			
6/30/2013	5,950,056	11,180,542	17,975,818	25,050,938	27,229,515	27,707,076	28,074,139				
6/30/2014	6,315,586	12,049,467	16,241,473	19,032,412	20,492,885	25,391,746					
6/30/2015	6,365,498	12,382,080	19,758,532	24,745,516	29,265,004						
6/30/2016	5,943,864	10,808,210	18,252,639	23,742,473							
6/30/2017	6,499,336	12,674,110	18,866,550								
6/30/2018	6,873,781	15,362,850									
6/30/2019	5,582,435										

<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>
6/30/2000	27,533,976	27,742,539	27,969,020	28,367,185	28,515,200	28,613,783	38,043,450	28,945,738	29,011,227
6/30/2001	38,164,488	38,398,057	38,393,463	38,421,360	38,444,915	38,480,384	38,470,844	38,490,150	
6/30/2002	39,257,295	39,351,368	39,335,961	39,537,330	39,582,460	39,604,515	39,642,502		
6/30/2003	23,334,548	23,385,045	23,335,829	23,485,425	23,510,098	23,538,782			
6/30/2004	28,370,296	28,440,250	28,501,442	28,402,520	28,582,524				
6/30/2005	25,868,995	26,191,239	26,410,417	26,477,680					
6/30/2006	26,288,309	26,160,585	26,374,431						
6/30/2007	28,978,739	29,162,381							
6/30/2008	31,963,857								

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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
6/30/2000	5,753,311	4,648,443	4,348,860	1,309,126	1,273,228	3,695,620	446,453	86,933	432,441	506,863	534,386	208,563	226,481
6/30/2001	4,716,138	6,961,246	3,312,152	4,415,045	4,028,881	3,395,383	3,645,203	1,468,366	52,221	-59,522	476,842	233,569	-4,594
6/30/2002	4,626,256	2,350,242	5,077,031	4,350,410	7,746,112	3,633,724	3,455,039	1,992,463	665,945	951,134	780,282	94,073	-15,407
6/30/2003	3,569,935	3,999,020	4,066,986	3,523,569	1,548,053	1,477,542	745,767	386,598	431,063	177,569	48,052	50,497	-49,216
6/30/2004	3,819,368	4,385,989	3,891,094	4,034,427	3,028,919	2,079,175	733,672	1,380,945	836,039	19,869	848,890	69,954	61,192
6/30/2005	3,596,783	5,646,696	3,489,360	2,940,558	1,919,803	986,366	731,408	917,042	1,774,233	265,490	-106,479	322,244	219,178
6/30/2006	3,676,719	4,105,645	3,719,206	1,700,966	3,642,125	2,220,314	718,883	54,117	392,211	3,084,971	322,633	-127,724	213,846
6/30/2007	5,331,751	4,693,173	5,074,504	2,151,992	2,155,046	2,614,103	659,297	1,930,196	375,630	274,950	174,170	183,642	
6/30/2008	4,625,442	5,728,752	4,866,164	4,576,884	2,431,316	893,669	1,100,621	1,127,931	875,005	1,021,737	338,566		
6/30/2009	4,350,334	5,783,805	3,170,544	3,984,916	1,797,447	1,119,644	1,200,800	898,894	4,624,000	358,493			
6/30/2010	5,454,591	5,936,177	4,929,020	3,581,607	2,098,876	2,552,211	1,027,988	761,124	259,279				
6/30/2011	7,286,986	4,948,069	5,024,474	4,172,097	2,310,709	435,954	520,648	341,332					
6/30/2012	5,483,443	6,380,498	4,945,994	3,389,613	2,436,813	1,929,855	1,569,582						
6/30/2013	5,230,486	6,795,276	7,075,120	2,178,577	477,561	367,063							
6/30/2014	5,733,881	4,192,006	2,790,939	1,460,473	4,898,861								
6/30/2015	6,016,582	7,376,452	4,986,984	4,519,488									
6/30/2016	4,864,346	7,444,429	5,489,834										
6/30/2017	6,174,774	6,192,440											
6/30/2018	8,489,069												

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
6/30/2000	0.0865	0.0699	0.0654	0.0197	0.0191	0.0556	0.0067	0.0013	0.0065	0.0076	0.0080	0.0031	0.0034
6/30/2001	0.0747	0.1102	0.0525	0.0699	0.0638	0.0538	0.0577	0.0233	0.0008	-0.0009	0.0076	0.0037	-0.0001
6/30/2002	0.0765	0.0389	0.0839	0.0719	0.1280	0.0601	0.0571	0.0329	0.0110	0.0157	0.0129	0.0016	-0.0003
6/30/2003	0.0661	0.0741	0.0753	0.0653	0.0287	0.0274	0.0138	0.0072	0.0080	0.0033	0.0009	0.0009	-0.0009
6/30/2004	0.0711	0.0816	0.0724	0.0751	0.0564	0.0387	0.0137	0.0257	0.0156	0.0004	0.0158	0.0013	0.0011
6/30/2005	0.0750	0.1178	0.0728	0.0613	0.0400	0.0206	0.0153	0.0191	0.0370	0.0055	-0.0022	0.0067	0.0046
6/30/2006	0.0836	0.0934	0.0846	0.0387	0.0828	0.0505	0.0163	0.0012	0.0089	0.0702	0.0073	-0.0029	0.0049
6/30/2007	0.1083	0.0954	0.1031	0.0437	0.0438	0.0531	0.0134	0.0392	0.0076	0.0056	0.0035	0.0037	
6/30/2008	0.0865	0.1071	0.0909	0.0855	0.0454	0.0167	0.0206	0.0211	0.0164	0.0191	0.0063		
6/30/2009	0.0789	0.1050	0.0575	0.0723	0.0326	0.0203	0.0218	0.0163	0.0839	0.0065			
6/30/2010	0.0908	0.0988	0.0820	0.0596	0.0349	0.0425	0.0171	0.0127	0.0043				
6/30/2011	0.1034	0.0702	0.0713	0.0592	0.0328	0.0062	0.0074	0.0048					
6/30/2012	0.0793	0.0923	0.0715	0.0490	0.0352	0.0279	0.0227						
6/30/2013	0.0779	0.1012	0.1053	0.0324	0.0071	0.0055							
6/30/2014	0.0723	0.0529	0.0352	0.0184	0.0618								
6/30/2015	0.0759	0.0930	0.0629	0.0570									
6/30/2016	0.0699	0.1070	0.0789										
6/30/2017	0.0780	0.0782											
6/30/2018	0.1027												

Best 3/5	0.0754	0.0908	0.0711	0.0462	0.0343	0.0181	0.0198	0.0167	0.0110	0.0104	0.0057	0.0020	0.0018
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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:											
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
6/30/2000	15,297,290	18,280,082	29,820,483	30,261,906	29,840,355	30,029,979	30,612,675	30,810,199	30,724,357	30,795,409	30,568,570
6/30/2001	12,895,029	28,727,400	31,001,913	34,378,164	36,016,801	36,328,617	36,318,592	36,341,172	36,433,427	36,232,630	36,001,384
6/30/2002	15,378,507	18,501,023	21,759,680	24,407,351	22,565,925	22,023,339	21,910,379	21,669,211	21,856,113	21,860,237	21,717,439
6/30/2003	10,731,046	13,454,207	16,894,978	15,223,502	15,175,252	15,360,861	14,527,968	14,304,808	14,534,740	14,351,609	14,545,276
6/30/2004	16,540,401	21,622,689	18,707,367	19,174,330	18,761,807	18,493,646	18,532,279	18,537,764	18,548,703	18,775,385	18,795,040
6/30/2005	14,503,035	18,632,694	21,005,770	20,558,540	19,978,573	20,095,066	19,716,028	19,814,501	19,910,534	20,185,290	20,129,209
6/30/2006	19,120,964	23,195,768	24,149,221	23,445,572	22,721,488	22,639,832	22,352,322	22,450,851	22,243,914	22,065,066	22,080,067
6/30/2007	18,286,796	22,304,967	22,855,543	22,998,445	22,729,597	22,227,889	22,133,204	22,268,260	22,335,818	22,570,300	22,503,150
6/30/2008	16,951,872	18,626,253	18,274,412	18,025,273	18,056,166	18,130,237	18,312,354	18,512,247	18,439,712	18,488,885	18,380,545
6/30/2009	13,628,971	15,933,773	15,705,532	15,887,788	16,738,751	16,780,241	16,822,545	16,667,068	16,400,472	16,480,473	16,524,569
6/30/2010	11,886,574	15,058,349	16,055,890	15,875,686	16,182,849	16,062,544	15,829,739	15,773,624	15,898,110	16,231,038	
6/30/2011	9,598,453	11,250,454	12,274,394	13,375,169	13,494,175	13,448,225	13,139,376	12,847,309	13,085,464		
6/30/2012	8,801,716	11,272,407	11,129,017	11,366,375	11,765,510	11,204,717	11,114,370	11,245,883			
6/30/2013	9,185,477	10,783,313	12,115,306	12,246,654	12,559,860	12,538,795	12,399,692				
6/30/2014	8,319,513	11,351,046	14,433,596	14,507,326	14,790,114	14,986,658					
6/30/2015	8,906,922	11,413,775	14,844,069	16,823,957	17,582,006						
6/30/2016	10,126,454	13,186,854	16,775,373	17,010,726							
6/30/2017	10,408,366	13,520,313	14,611,090								
6/30/2018	11,014,930	14,464,732									
6/30/2019	7,808,287										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	30,290,710	30,289,710	30,501,027	30,401,027	30,401,027	30,404,527	30,440,669	30,628,527	30,653,558		
6/30/2001	35,900,028	36,084,728	36,084,728	36,174,728	36,185,063	36,184,962	36,289,463	36,289,462			
6/30/2002	21,812,002	21,895,477	21,995,477	21,948,827	21,940,977	22,071,578	22,171,577				
6/30/2003	14,511,006	14,575,907	14,580,204	14,657,704	14,775,202	14,775,202					
6/30/2004	18,590,926	18,666,037	18,710,837	18,823,231	18,823,231						
6/30/2005	19,875,461	20,000,458	20,072,853	19,972,853							
6/30/2006	22,288,817	22,150,317	22,250,316								
6/30/2007	22,452,980	22,513,876									
6/30/2008	18,280,545										

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
6/30/2000	1.195	1.631	1.015	0.986	1.006	1.019	1.006	0.997	1.002	0.993	0.991
6/30/2001	2.228	1.079	1.109	1.048	1.009	1.000	1.001	1.003	0.994	0.994	0.997
6/30/2002	1.203	1.176	1.122	0.925	0.976	0.995	0.989	1.009	1.000	0.993	1.004
6/30/2003	1.254	1.256	0.901	0.997	1.012	0.946	0.985	1.016	0.987	1.013	0.998
6/30/2004	1.307	0.865	1.025	0.978	0.986	1.002	1.000	1.001	1.012	1.001	0.989
6/30/2005	1.285	1.127	0.979	0.972	1.006	0.981	1.005	1.005	1.014	0.997	0.987
6/30/2006	1.213	1.041	0.971	0.969	0.996	0.987	1.004	0.991	0.992	1.001	1.009
6/30/2007	1.220	1.025	1.006	0.988	0.978	0.996	1.006	1.003	1.010	0.997	0.998
6/30/2008	1.099	0.981	0.986	1.002	1.004	1.010	1.011	0.996	1.003	0.994	0.995
6/30/2009	1.169	0.986	1.012	1.054	1.002	1.003	0.991	0.984	1.005	1.003	
6/30/2010	1.267	1.066	0.989	1.019	0.993	0.986	0.996	1.008	1.021		
6/30/2011	1.172	1.091	1.090	1.009	0.997	0.977	0.978	1.019			
6/30/2012	1.281	0.987	1.021	1.035	0.952	0.992	1.012				
6/30/2013	1.174	1.124	1.011	1.026	0.998	0.989					
6/30/2014	1.364	1.272	1.005	1.019	1.013						
6/30/2015	1.281	1.301	1.133	1.045							
6/30/2016	1.302	1.272	1.014								
6/30/2017	1.299	1.081									
6/30/2018	1.313										
3 Yr Mean	1.305	1.218	1.051	1.030	0.988	0.986	0.995	1.004	1.010	0.998	1.001
Best 3/5	1.305	1.223	1.015	1.027	0.996	0.989	0.999	1.002	1.006	0.998	0.994

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2000	1.000	1.007	0.997	1.000	1.000	1.001	1.006	1.001			
6/30/2001	1.005	1.000	1.002	1.000	1.000	1.003	1.000	1.001 *			
6/30/2002	1.004	1.005	0.998	1.000	1.006	1.005	1.001 *	1.001 *			
6/30/2003	1.004	1.000	1.005	1.008	1.000	1.000 *	1.001 *	1.001 *			
6/30/2004	1.004	1.002	1.006	1.000	1.000 *	1.000 *	1.001 *	1.001 *			
6/30/2005	1.006	1.004	0.995								
6/30/2006	0.994	1.005									
6/30/2007	1.003										
3 Yr Mean	1.001	1.004	1.002	1.003	1.002 @	1.003 @	1.003 @	1.001 @			
Best 3/5	1.004	1.004	1.002	1.000	1.000 *	1.001 *	1.001 *	1.001 *			

	Development From										
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					0.996	0.989	0.999	1.002	1.006	0.998	0.994
6/30/2016				1.027	0.996	0.989	0.999	1.002	1.006	0.998	0.994
6/30/2017			1.015	1.027	0.996	0.989	0.999	1.002	1.006	0.998	0.994
6/30/2018		1.223	1.015	1.027	0.996	0.989	0.999	1.002	1.006	0.998	0.994
6/30/2019	1.305	1.223	1.015	1.027	0.996	0.989	0.999	1.002	1.006	0.998	0.994

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
6/30/2015	1.004	1.004	1.002	1.000	1.000	1.001	1.001	1.001	1.004*	1.001
6/30/2016	1.004	1.004	1.002	1.000	1.000	1.001	1.001	1.001	1.004*	1.028
6/30/2017	1.004	1.004	1.002	1.000	1.000	1.001	1.001	1.001	1.004*	1.043
6/30/2018	1.004	1.004	1.002	1.000	1.000	1.001	1.001	1.001	1.004*	1.276
6/30/2019	1.004	1.004	1.002	1.000	1.000	1.001	1.001	1.001	1.004*	1.665

* 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>
6/30/2000	7,179,904	10,345,305	20,636,045	22,404,272	24,770,114	26,821,230	29,384,182	31,513,880	34,127,747	36,744,111	36,309,185
6/30/2001	4,038,320	14,909,376	21,093,962	27,906,248	31,239,417	36,046,759	37,557,651	38,302,298	39,164,951	40,333,161	40,369,875
6/30/2002	5,267,347	10,047,732	14,348,657	18,051,409	17,856,494	20,127,048	21,429,562	21,306,001	21,443,771	21,601,274	21,575,132
6/30/2003	3,530,811	8,644,142	11,629,401	14,981,392	16,862,693	18,233,847	26,457,069	28,320,369	31,927,970	32,143,136	32,415,877
6/30/2004	3,663,369	7,694,986	12,676,540	17,529,007	20,728,422	21,214,216	21,284,936	22,205,373	22,484,011	22,354,371	22,518,397
6/30/2005	2,512,134	8,093,042	13,687,309	16,257,649	17,709,103	19,683,411	19,591,247	19,585,951	20,525,646	21,542,078	21,953,734
6/30/2006	2,837,590	9,030,485	13,354,963	16,525,248	18,238,209	19,512,448	23,191,601	24,436,183	26,820,520	29,449,815	29,559,622
6/30/2007	2,647,425	7,821,025	16,797,441	20,643,871	22,764,833	23,194,367	19,230,344	22,291,308	22,326,105	22,359,217	22,428,644
6/30/2008	2,078,654	7,060,164	12,212,820	16,140,428	16,766,600	17,674,697	18,441,436	19,083,679	19,178,557	19,421,266	19,713,460
6/30/2009	2,997,534	8,087,329	12,148,387	17,701,862	24,010,059	26,583,089	27,311,281	27,796,400	28,147,528	28,639,755	25,390,682
6/30/2010	3,324,238	12,036,337	19,896,029	22,090,304	26,712,060	30,322,472	32,284,172	33,958,116	34,110,789	34,439,625	
6/30/2011	4,056,968	13,091,755	19,760,027	25,075,633	29,846,738	32,128,697	33,910,279	34,347,193	34,641,320		
6/30/2012	3,416,257	10,212,200	13,087,908	23,428,538	24,775,980	28,178,279	30,386,483	31,983,018			
6/30/2013	3,038,860	9,168,884	13,283,791	18,586,296	22,098,481	24,292,233	28,472,822				
6/30/2014	4,471,893	12,196,104	17,911,943	19,115,386	24,356,155	29,443,261					
6/30/2015	4,737,569	9,986,535	16,826,964	25,328,583	27,792,533						
6/30/2016	5,171,147	11,155,652	15,317,484	17,102,785							
6/30/2017	4,087,316	10,348,355	14,545,224								
6/30/2018	4,922,614	15,913,218									
6/30/2019	3,822,895										

<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>
6/30/2000	36,342,311	36,104,101	36,125,151	36,126,085	36,126,085	36,170,684	36,178,356	36,253,403	36,302,059
6/30/2001	40,326,643	40,327,935	40,334,095	40,323,271	40,324,818	40,324,818	40,324,819	40,340,159	
6/30/2002	21,661,748	21,706,732	21,771,110	21,774,311	21,773,894	21,925,021	21,970,326		
6/30/2003	32,386,143	35,215,134	35,223,353	35,287,269	35,724,029	35,713,443			
6/30/2004	22,480,276	22,691,783	22,674,000	22,720,845	22,756,714				
6/30/2005	22,276,108	23,679,331	23,979,993	24,849,479					
6/30/2006	29,811,735	29,900,041	30,139,662						
6/30/2007	22,458,919	22,553,955							
6/30/2008	19,756,460								

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

A.Y.E.	Increments												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2000	3,165,401	10,290,740	1,768,227	2,365,842	2,051,116	2,562,952	2,129,698	2,613,867	2,616,364	-434,926	33,126	-238,210	21,050
6/30/2001	10,871,056	6,184,586	6,812,286	3,333,169	4,807,342	1,510,892	744,647	862,653	1,168,210	36,714	-43,232	1,292	6,160
6/30/2002	4,780,385	4,300,925	3,702,752	-194,915	2,270,554	1,302,514	-123,561	137,770	157,503	-26,142	86,616	44,984	64,378
6/30/2003	5,113,331	2,985,259	3,351,991	1,881,301	1,371,154	8,223,222	1,863,300	3,607,601	215,166	272,741	-29,734	2,828,991	8,219
6/30/2004	4,031,617	4,981,554	4,852,467	3,199,415	485,794	70,720	920,437	278,638	-129,640	164,026	-38,121	211,507	-17,783
6/30/2005	5,580,908	5,594,267	2,570,340	1,451,454	1,974,308	-92,164	-5,296	939,695	1,016,432	411,656	322,374	1,403,223	300,662
6/30/2006	6,192,895	4,324,478	3,170,285	1,712,961	1,274,239	3,679,153	1,244,582	2,384,337	2,629,295	109,807	252,113	88,306	239,621
6/30/2007	5,173,600	8,976,416	3,846,430	2,120,962	429,534	-3,964,023	3,060,964	34,797	33,112	69,427	30,275	95,036	
6/30/2008	4,981,510	5,152,656	3,927,608	626,172	908,097	766,739	642,243	94,878	242,709	292,194	43,000		
6/30/2009	5,089,795	4,061,058	5,553,475	6,308,197	2,573,030	728,192	485,119	351,128	492,227	-3,249,073			
6/30/2010	8,712,099	7,859,692	2,194,275	4,621,756	3,610,412	1,961,700	1,673,944	152,673	328,836				
6/30/2011	9,034,787	6,668,272	5,315,606	4,771,105	2,281,959	1,781,582	436,914	294,127					
6/30/2012	6,795,943	2,875,708	10,340,630	1,347,442	3,402,299	2,208,204	1,596,535						
6/30/2013	6,130,024	4,114,907	5,302,505	3,512,185	2,193,752	4,180,589							
6/30/2014	7,724,211	5,715,839	1,203,443	5,240,769	5,087,106								
6/30/2015	5,248,966	6,840,429	8,501,619	2,463,950									
6/30/2016	5,984,505	4,161,832	1,785,301										
6/30/2017	6,261,039	4,196,869											
6/30/2018	10,990,604												

A.Y.E.	Incremental Percentages												
	<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>
6/30/2000	0.0640	0.2079	0.0357	0.0478	0.0414	0.0518	0.0430	0.0528	0.0529	-0.0088	0.0007	-0.0048	0.0004
6/30/2001	0.1863	0.1060	0.1168	0.0571	0.0824	0.0259	0.0128	0.0148	0.0200	0.0006	-0.0007	0.0000	0.0001
6/30/2002	0.1345	0.1210	0.1042	-0.0055	0.0639	0.0367	-0.0035	0.0039	0.0044	-0.0007	0.0024	0.0013	0.0018
6/30/2003	0.2162	0.1262	0.1417	0.0796	0.0580	0.3477	0.0788	0.1526	0.0091	0.0115	-0.0013	0.1196	0.0003
6/30/2004	0.1298	0.1604	0.1562	0.1030	0.0156	0.0023	0.0296	0.0090	-0.0042	0.0053	-0.0012	0.0068	-0.0006
6/30/2005	0.1643	0.1647	0.0757	0.0427	0.0581	-0.0027	-0.0002	0.0277	0.0299	0.0121	0.0095	0.0413	0.0088
6/30/2006	0.1874	0.1308	0.0959	0.0518	0.0386	0.1113	0.0377	0.0721	0.0795	0.0033	0.0076	0.0027	0.0072
6/30/2007	0.1453	0.2522	0.1081	0.0596	0.0121	-0.1114	0.0860	0.0010	0.0009	0.0020	0.0009	0.0027	
6/30/2008	0.1796	0.1858	0.1416	0.0226	0.0327	0.0276	0.0232	0.0034	0.0088	0.0105	0.0016		
6/30/2009	0.1889	0.1507	0.2061	0.2341	0.0955	0.0270	0.0180	0.0130	0.0183	-0.1206			
6/30/2010	0.2847	0.2568	0.0717	0.1510	0.1180	0.0641	0.0547	0.0050	0.0107				
6/30/2011	0.3858	0.2847	0.2270	0.2037	0.0974	0.0761	0.0187	0.0126					
6/30/2012	0.3434	0.1453	0.5225	0.0681	0.1719	0.1116	0.0807						
6/30/2013	0.2906	0.1951	0.2514	0.1665	0.1040	0.1982							
6/30/2014	0.3025	0.2238	0.0471	0.2052	0.1992								
6/30/2015	0.1805	0.2352	0.2923	0.0847									
6/30/2016	0.1996	0.1388	0.0596										
6/30/2017	0.2386	0.1599											
6/30/2018	0.3072												

Best 3/5	0.2469	0.1929	0.2011	0.1516	0.1313	0.0839	0.0322	0.0070	0.0126	0.0053	0.0033	0.0169	0.0031
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Multistate Review of ULAE Experience
General Liability Including CMP Liability
Loss Adjustment Expense Special Call
Calendar Years 2014 - 2018

<u>Item *</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2014 - 2018 Mean</u>
1. Direct Losses Incurred	\$20,338,262	\$25,301,890	\$26,175,083	\$23,084,643	\$26,920,048	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$5,287,378	\$6,141,101	\$5,079,567	\$6,058,484	\$5,902,031	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$2,425,208	\$2,534,792	\$2,658,432	\$2,367,750	\$2,313,863	
4. Incurred Losses + ALAE [(1) + (2)]	\$25,625,640	\$31,442,991	\$31,254,650	\$29,143,127	\$32,822,079	
		<u>Incurred Percentage</u>				
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	9.5%	8.1%	8.5%	8.1%	7.0%	8.2%
6. Selected	8.5%					

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) 1/1/2017 to 1/1/2022 AYE 6/30/2017	+ 1.0%	+ 2.1%	+ 0.8%	+ 2.0%	+ 0.8%
b) 1/1/2018 to 1/1/2022 AYE 6/30/2018	+ 1.0%	+ 1.8%	+ 0.8%	+ 1.6%	+ 0.8%
c) 1/1/2019 to 1/1/2022 AYE 6/30/2019	+ 0.8%	+ 1.2%	+ 0.8%	+ 1.1%	+ 0.6%

	<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)	+ 4.1%	+ 5.1%	- 0.3%	+ 4.5%	+ 4.9%	- 3.8%
Eight Year (16 Points)	+ 4.2%	+ 4.6%	- 1.2%	+ 4.6%	+ 5.2%	- 6.1%
Six Year (12 Points)	+ 4.8%	+ 2.6%	- 4.1%	+ 4.7%	+ 6.7%	- 1.7%
b) Selected	+ 4.5%	+ 4.5%	0.0%	+ 4.0%	+ 5.0%	+ 1.0%

(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>	+ 3.4%	+ 3.3%

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 6/30/2017, 6/30/2018 & 6/30/2019

(1) YEAR ENDING QUARTER*		(2) MANUFACTURERS CLASS GROUP SALES EXPOSURE INDICES	(3) CONTRACTORS CLASS GROUP PAYROLL EXPOSURE INDICES	(1) YEAR ENDING QUARTER*		(2) MANUFACTURERS CLASS GROUP SALES EXPOSURE INDICES	(3) CONTRACTORS CLASS GROUP PAYROLL EXPOSURE INDICES
2009	1	0.961	22.128	2016	1	1.030	25.313
	2	0.966	22.349		2	1.031	25.481
	3	0.969	22.502		3	1.030	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	1.048	27.208
	3	0.978	23.556		3	1.052	27.441
	4	0.982	23.638		4	1.056	27.728
2012	1	0.986	23.715	2019	1	1.059	27.949
	2	0.990	23.794		2	1.062	28.183
	3	0.995	23.873		3	1.064	28.355
	4	1.000	23.965		4	1.065	28.506
2013	1	1.004	24.062	2020	1P	1.068	28.680
	2	1.006	24.140		2P	1.069	28.795
	3	1.008	24.167		3P	1.069	28.894
	4	1.010	24.208		4P	1.069	28.944
2014	1	1.012	24.299	2021	1P	1.068	28.956
	2	1.016	24.405		2P	1.069	28.975
	3	1.019	24.538		3P	1.072	29.006
	4	1.022	24.663		4P	1.076	29.055
2015	1	1.024	24.759	2022	1P	1.082	29.123
	2	1.026	24.909		2P	1.088	29.208
	3	1.028	25.013		3P	1.095	29.312
	4	1.030	25.172		4P	1.101	29.436

CHANGE IN EXPOSURES

		MANUFACTURERS	CONTRACTORS
1/1/2017 to 1/1/2022	(2022:2/2017:2)	1.052	1.109
1/1/2018 to 1/1/2022	(2022:2/2018:2)	1.039	1.074
1/1/2019 to 1/1/2022	(2022:2/2019:2)	1.024	1.036

AVERAGE ANNUAL TREND FACTOR

1/1/2017 to 1/1/2022	(5.0 YRS)	1.010	1.021
1/1/2018 to 1/1/2022	(4.0 YRS)	1.010	1.018
1/1/2019 to 1/1/2022	(3.0 YRS)	1.008	1.012

* 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	9.5%	-1.4%
OTHER DURABLES	6.2%	-1.5%
CLOTHING	9.6%	-0.5%
FOOD	43.8%	1.6%
OTHER NON-DURABLES	26.7%	1.2%
RECREATION SERVICES	4.2%	1.9%
TOTAL	100.0%	0.8% 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 6/30/2019. Inflation adjusted GDP is measured in terms of 2012 prices.

³ Inflation trends are based on average annual growth rates in consumption components starting 2017 to 2022.

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
2009	1	1.066	0.986	0.947	0.931	0.919	0.940	2016	1	0.920	0.902	0.999	1.061	1.027	1.058
	2	1.069	0.986	0.950	0.936	0.930	0.942		2	0.913	0.901	0.998	1.063	1.029	1.064
	3	1.066	0.985	0.952	0.937	0.942	0.944		3	0.907	0.899	0.998	1.064	1.034	1.071
	4	1.061	0.986	0.956	0.936	0.953	0.947		4	0.900	0.899	0.998	1.065	1.038	1.078
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	1.051	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	1.054	1.125
	4	1.000	1.008	0.965	0.975	0.985	0.973		4	0.866	0.871	0.993	1.090	1.055	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	1.101	1.055	1.142
	3	1.000	1.005	0.994	0.996	0.997	0.993		3	0.872	0.853	0.984	1.106	1.056	1.147
	4	1.000	1.000	1.000	1.000	1.000	1.000		4	0.872	0.851	0.980	1.111	1.059	1.153
2013	1	0.998	0.994	1.005	1.004	1.001	1.005	2020	1P	0.869	0.850	0.977	1.114	1.063	1.160
	2	0.994	0.989	1.006	1.008	1.001	1.009		2P	0.865	0.845	0.977	1.116	1.066	1.164
	3	0.988	0.985	1.009	1.012	1.001	1.013		3P	0.859	0.841	0.974	1.119	1.070	1.169
	4	0.981	0.979	1.010	1.015	1.002	1.017		4P	0.853	0.838	0.975	1.123	1.074	1.171
2014	1	0.972	0.970	1.010	1.018	1.004	1.022	2021	1P	0.846	0.835	0.974	1.127	1.080	1.172
	2	0.962	0.959	1.012	1.024	1.006	1.028		2P	0.842	0.834	0.975	1.133	1.086	1.178
	3	0.954	0.950	1.013	1.030	1.009	1.032		3P	0.836	0.832	0.974	1.138	1.093	1.184
	4	0.947	0.940	1.013	1.038	1.013	1.036		4P	0.832	0.831	0.974	1.144	1.099	1.190
2015	1	0.940	0.931	1.011	1.045	1.017	1.038	2022	1P	0.829	0.830	0.973	1.150	1.105	1.196
	2	0.935	0.923	1.007	1.050	1.021	1.042		2P	0.827	0.830	0.973	1.156	1.111	1.201
	3	0.930	0.914	1.004	1.054	1.023	1.047		3P	0.827	0.830	0.973	1.162	1.117	1.206
	4	0.924	0.906	1.001	1.058	1.025	1.052		4P	0.828	0.830	0.973	1.168	1.123	1.212
Change In Exposures*								Average Annual Trend Factor							
1/1/2017 to 1/1/2022 (2022:2/2017:2)								1/1/2017 to 1/1/2022 (5.0 Years)							
		0.931	0.929	0.976	1.082	1.063	1.100			-1.4%	-1.5%	-0.5%	1.6%	1.2%	1.9%

*Assumes a loss cost revision date of January 1, 2021, and a prospective average date of coverage one year later (January 1, 2022).

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PREMISES/OPERATIONS
GOVERNMENTAL SUBDIVISIONS
OWNERS, LANDLORDS AND TENANTS
AVERAGE ANNUAL EXPOSURE TRENDS
FOR ACCIDENT YEARS ENDING 6/30/2017, 6/30/2018 & 6/30/2019

(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 @		
2009	1		0.926			2016	1		1.056		
	2		0.924				2		1.056		
	3		0.920				3		1.056		
	4		0.920				4		1.059		
2010	1		0.926			2017	1		1.065		
	2		0.933				2		1.071		
	3		0.940				3		1.078		
	4		0.947				4		1.087		
2011	1		0.954			2018	1		1.096		
	2		0.962				2		1.107		
	3		0.971				3		1.118		
	4		0.977				4		1.128		
2012	1		0.984			2019	1		1.135		
	2		0.988				2		1.141		
	3		0.992				3		1.147		
	4		1.000				4		1.152		
2013	1		1.007			2020	1P		1.158		
	2		1.016				2P		1.160		
	3		1.025				3P		1.161		
	4		1.033				4P		1.159		
2014	1		1.040			2021	1P		1.157		
	2		1.046				2P		1.158		
	3		1.052				3P		1.161		
	4		1.056				4P		1.167		
2015	1		1.057			2022	1P		1.174		
	2		1.058				2P		1.181		
	3		1.058				3P		1.187		
	4		1.057				4P		1.192		
CHANGE IN EXPOSURES						AVERAGE ANNUAL TREND FACTOR					
1/1/2017 to 1/1/2022			(2022:2/2017:2)	1.102		1/1/2017 to 1/1/2022			(5.0 YRS)	1.020	
1/1/2018 to 1/1/2022			(2022:2/2018:2)	1.067		1/1/2018 to 1/1/2022			(4.0 YRS)	1.016	
1/1/2019 to 1/1/2022			(2022:2/2019:2)	1.034		1/1/2019 to 1/1/2022			(3.0 YRS)	1.011	

* 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 <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(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>
12/31/2009	\$ 235,622,274	4,219	\$ 55,848	\$ 54,215		
6/30/2010	241,062,562	4,244	56,801	55,325		
12/31/2010	237,530,308	4,359	54,492	56,458		
6/30/2011	256,426,904	4,517	56,769	57,614		
12/31/2011	262,424,287	4,357	60,230	58,793	\$ 58,571	
6/30/2012	236,406,866	3,830	61,725	59,997	59,797	
12/31/2012	218,327,726	3,601	60,630	61,225	61,050	
6/30/2013	221,312,657	3,621	61,119	62,479	62,328	
12/31/2013	229,206,087	3,711	61,764	63,758	63,633	\$ 62,594
6/30/2014	258,653,361	3,938	65,681	65,064	64,966	64,065
12/31/2014	250,350,005	3,667	68,271	66,396	66,326	65,569
6/30/2015	227,440,436	3,434	66,232	67,755	67,715	67,109
12/31/2015	215,545,550	3,379	63,790	69,142	69,133	68,685
6/30/2016	218,469,251	3,098	70,519	70,558	70,581	70,298
12/31/2016	226,198,154	3,140	72,038	72,002	72,059	71,949
6/30/2017	233,688,687	3,209	72,823	73,477	73,568	73,639
12/31/2017	250,513,546	3,225	77,679	74,981	75,108	75,369
6/30/2018	261,020,444	3,224	80,962	76,516	76,681	77,139
12/31/2018	251,380,934	3,218	78,117	78,083	78,287	78,950
6/30/2019	249,251,940	3,166	78,728	79,681	79,926	80,804
Goodness of Fit Statistic, R-Squared:				0.936	0.904	0.863
Average Annual Severity Trend (10 yr)				+ 4.1%		
Average Annual Severity Trend (8 yr)				+ 4.2%		
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 <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual Severity <u>Severity</u>	(5) Exponential Curve of Best Fit to Col (4) <u>10 Year 8 Year 6 Year</u>		
12/31/2009	\$ 166,786,475	15,221	\$ 10,958	\$ 10,602		
6/30/2010	165,560,608	15,591	10,619	10,869		
12/31/2010	169,511,123	16,140	10,503	11,143		
6/30/2011	175,185,043	16,218	10,802	11,424		
12/31/2011	178,200,069	16,030	11,117	11,713	\$ 12,027	
6/30/2012	171,166,242	15,315	11,176	12,008	12,298	
12/31/2012	182,222,087	14,398	12,656	12,311	12,575	
6/30/2013	182,896,889	13,822	13,232	12,621	12,858	
12/31/2013	176,657,072	13,041	13,546	12,940	13,147	\$ 13,996
6/30/2014	183,108,491	12,708	14,409	13,266	13,443	14,179
12/31/2014	184,234,738	12,485	14,756	13,601	13,745	14,364
6/30/2015	182,719,812	12,187	14,993	13,944	14,055	14,552
12/31/2015	181,519,836	12,263	14,802	14,296	14,371	14,742
6/30/2016	181,577,722	12,437	14,600	14,656	14,695	14,935
12/31/2016	187,699,571	12,699	14,781	15,026	15,025	15,130
6/30/2017	187,479,162	12,660	14,809	15,405	15,363	15,328
12/31/2017	198,129,894	12,478	15,878	15,794	15,709	15,528
6/30/2018	198,836,145	12,565	15,825	16,192	16,063	15,731
12/31/2018	197,899,451	12,400	15,960	16,600	16,424	15,937
6/30/2019	196,352,560	12,081	16,253	17,019	16,794	16,145
Goodness of Fit Statistic, R-Squared:				0.897	0.824	0.807
Average Annual Severity Trend (10 yr)				+ 5.1%		
Average Annual Severity Trend (8 yr)				+ 4.6%		
Average Annual Severity Trend (6 yr)				+ 2.6%		
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
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 <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(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>
12/31/2009	\$ 23,727,055	515	\$ 46,072	\$ 40,081		
6/30/2010	22,834,697	604	37,806	40,029		
12/31/2010	18,644,387	574	32,482	39,977		
6/30/2011	18,603,120	504	36,911	39,926		
12/31/2011	18,857,007	500	37,714	39,874	\$ 41,871	
6/30/2012	18,369,412	474	38,754	39,823	41,616	
12/31/2012	16,582,405	439	37,773	39,771	41,363	
6/30/2013	17,923,327	423	42,372	39,720	41,111	
12/31/2013	23,458,969	474	49,491	39,669	40,861	\$ 45,151
6/30/2014	22,900,787	526	43,538	39,617	40,612	44,227
12/31/2014	20,406,375	508	40,170	39,566	40,365	43,322
6/30/2015	22,271,191	513	43,414	39,515	40,119	42,435
12/31/2015	20,544,898	525	39,133	39,464	39,874	41,566
6/30/2016	21,575,377	529	40,785	39,413	39,632	40,716
12/31/2016	19,932,691	483	41,269	39,362	39,390	39,882
6/30/2017	16,638,613	515	32,308	39,312	39,150	39,066
12/31/2017	22,739,690	549	41,420	39,261	38,912	38,266
6/30/2018	26,419,036	556	47,516	39,210	38,675	37,483
12/31/2018	17,832,335	519	34,359	39,160	38,439	36,716
6/30/2019	16,680,880	492	33,904	39,109	38,205	35,965
Goodness of Fit Statistic, R-Squared:				0.004	0.064	0.326
Average Annual Severity Trend (10 yr)				- 0.3%		
Average Annual Severity Trend (8 yr)				- 1.2%		
Average Annual Severity Trend (6 yr)				- 4.1%		
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 <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(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>
12/31/2009	\$ 631,697,147	19,190	\$ 32,918	\$ 32,318		
6/30/2010	649,384,967	19,772	32,844	33,044		
12/31/2010	679,989,083	20,120	33,797	33,786		
6/30/2011	706,040,379	20,420	34,576	34,546		
12/31/2011	693,639,284	19,556	35,469	35,322	\$ 35,169	
6/30/2012	632,588,124	17,277	36,614	36,116	35,976	
12/31/2012	598,038,420	16,386	36,497	36,927	36,802	
6/30/2013	632,849,703	17,125	36,955	37,757	37,646	
12/31/2013	682,175,634	18,101	37,687	38,605	38,510	\$ 38,442
6/30/2014	758,994,700	19,245	39,439	39,473	39,394	39,337
12/31/2014	751,824,475	18,444	40,763	40,360	40,298	40,253
6/30/2015	741,371,872	17,773	41,713	41,267	41,222	41,191
12/31/2015	770,650,459	17,980	42,862	42,194	42,168	42,150
6/30/2016	743,503,511	16,859	44,101	43,142	43,136	43,132
12/31/2016	743,205,883	16,972	43,790	44,112	44,126	44,136
6/30/2017	774,704,688	17,612	43,987	45,103	45,138	45,164
12/31/2017	810,415,611	18,224	44,470	46,116	46,174	46,215
6/30/2018	887,140,288	18,962	46,785	47,153	47,234	47,291
12/31/2018	896,651,764	18,347	48,872	48,212	48,318	48,393
6/30/2019	854,872,588	16,807	50,864	49,296	49,426	49,520
Goodness of Fit Statistic, R-Squared:				0.982	0.970	0.942
Average Annual Severity Trend (10 yr)				+ 4.5%		
Average Annual Severity Trend (8 yr)				+ 4.6%		
Average Annual Severity Trend (6 yr)				+ 4.7%		
Selected Annual Severity Trend				+ 4.0%		

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

NOTE: Trends are based on reported paid full coverage data developed to ultimate using paid development factors
(See 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 <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(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>
12/31/2009	\$ 73,232,389	8,179	\$ 8,954	\$ 8,352		
6/30/2010	75,009,598	8,430	8,898	8,552		
12/31/2010	74,500,774	8,699	8,564	8,757		
6/30/2011	76,462,777	8,911	8,581	8,967		
12/31/2011	83,833,363	8,830	9,494	9,183	\$ 9,031	
6/30/2012	78,466,258	8,078	9,714	9,403	9,265	
12/31/2012	75,845,345	7,657	9,905	9,629	9,505	
6/30/2013	73,310,116	7,748	9,462	9,860	9,752	
12/31/2013	77,305,431	7,732	9,998	10,096	10,004	\$ 9,544
6/30/2014	75,542,238	7,915	9,544	10,339	10,263	9,859
12/31/2014	74,630,074	7,879	9,472	10,587	10,529	10,185
6/30/2015	85,047,587	7,600	11,190	10,841	10,802	10,521
12/31/2015	88,187,021	7,630	11,558	11,101	11,082	10,869
6/30/2016	81,885,166	7,616	10,752	11,368	11,369	11,228
12/31/2016	88,337,111	7,702	11,469	11,640	11,663	11,599
6/30/2017	91,341,382	8,065	11,326	11,920	11,965	11,982
12/31/2017	97,981,909	7,888	12,422	12,206	12,275	12,377
6/30/2018	101,042,321	7,562	13,362	12,499	12,593	12,786
12/31/2018	95,731,886	7,352	13,021	12,799	12,919	13,208
6/30/2019	96,767,122	7,001	13,822	13,106	13,254	13,645
Goodness of Fit Statistic, R-Squared:				0.884	0.852	0.865
Average Annual Severity Trend (10 yr)				+ 4.9%		
Average Annual Severity Trend (8 yr)				+ 5.2%		
Average Annual Severity Trend (6 yr)				+ 6.7%		
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
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 <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(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>
12/31/2009	\$ 40,246,685	518	\$ 77,696	\$ 85,914		
6/30/2010	42,409,254	558	76,002	84,276		
12/31/2010	33,732,674	525	64,253	82,669		
6/30/2011	40,466,044	470	86,098	81,093		
12/31/2011	45,486,533	422	107,788	79,547	\$ 89,311	
6/30/2012	33,496,081	348	96,253	78,030	86,551	
12/31/2012	30,740,405	339	90,680	76,542	83,877	
6/30/2013	30,894,768	380	81,302	75,083	81,285	
12/31/2013	32,396,888	415	78,065	73,651	78,773	\$ 67,325
6/30/2014	36,512,408	470	77,686	72,247	76,339	66,757
12/31/2014	30,877,757	513	60,191	70,869	73,980	66,193
6/30/2015	36,474,370	589	61,926	69,518	71,694	65,634
12/31/2015	39,551,020	674	58,681	68,192	69,478	65,080
6/30/2016	36,520,342	697	52,396	66,892	67,332	64,530
12/31/2016	35,257,959	639	55,177	65,617	65,251	63,985
6/30/2017	32,972,807	555	59,410	64,366	63,235	63,445
12/31/2017	39,822,818	539	73,883	63,138	61,281	62,909
6/30/2018	45,980,991	544	84,524	61,934	59,387	62,378
12/31/2018	36,205,589	549	65,948	60,754	57,552	61,851
6/30/2019	24,292,445	460	52,810	59,595	55,773	61,329
Goodness of Fit Statistic, R-Squared:				0.302	0.443	0.035
Average Annual Severity Trend (10 yr)				- 3.8%		
Average Annual Severity Trend (8 yr)				- 6.1%		
Average Annual Severity Trend (6 yr)				- 1.7%		
Selected Annual Severity Trend				+ 1.0%		

* 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
6/30/2006	\$ 721,613,388	25,267	35.01
6/30/2007	751,277,830	26,185	34.85
6/30/2008	755,025,104	25,992	34.43
6/30/2009	775,427,520	26,700	34.43
6/30/2010	717,057,601	26,137	36.45
6/30/2011	731,358,117	26,642	36.43
6/30/2012	749,798,952	25,485	33.99
6/30/2013	737,937,479	24,353	33.00
6/30/2014	790,462,467	24,980	31.60
6/30/2015	811,616,912	24,342	29.99
6/30/2016	825,144,162	25,037	30.34
6/30/2017	844,199,482	25,903	30.68
6/30/2018	871,728,318	26,057	29.89
6/30/2019	871,743,920	25,356	29.09

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 at Ultimate ¹	(4) Occurrence Frequency <u>(3)/(2)²</u>
6/30/2006	\$ 894,632,808	31,310	35.00
6/30/2007	930,392,767	31,765	34.14
6/30/2008	976,215,453	31,299	32.06
6/30/2009	1,102,336,999	32,696	29.66
6/30/2010	1,157,997,997	32,475	28.04
6/30/2011	1,193,430,305	32,674	27.38
6/30/2012	1,188,601,097	28,328	23.83
6/30/2013	1,158,488,042	27,947	24.12
6/30/2014	1,207,113,512	31,171	25.82
6/30/2015	1,294,691,707	30,012	23.18
6/30/2016	1,321,706,843	29,381	22.23
6/30/2017	1,349,131,616	30,612	22.69
6/30/2018	1,362,715,346	32,441	23.81
6/30/2019	1,336,936,749	29,652	22.18

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	
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>		18707	0.15	43626	4.77	44433	310.66
		18833	1.79	43628	61.99	44434	594.24
10140	0.46	<u>CLASS GROUP 07</u>		43629	52.53	44435	615.31
10141	0.92	10015	2.95	43760	1.75	44436	718.67
10145	4.43	10052	2.04	44069	5.10	44437	595.63
12361	1.00	10054	1.81	44070	1.51	44438	470.71
13049	0.52	10110	10.04	44071	1.68	44439	916.25
13112	0.85	10117	2.93	44072	1.16	44440	758.14
13670	0.56	10120	6.57	44311	3.08	46112	1.00
15223	0.66	10331	4.00	44315	2.07	<u>CLASS GROUP 09</u>	
<u>CLASS GROUP 06</u>		10332	6.90	46911	9.44	45190	1.00
10010	1.59	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		
16705	3.19	41668	35.67	44429	13.85		
18078	1.81	41669	0.25	44430	9.63		
18205	2.79	41670	0.42	44431	30.76		
		43518	5.97	44432	9.75		

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			

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

CLASS GROUP 14

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

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

46881	(a)
46882	(a)
46913	(a)
46914	(a)
46915	(a)
46916	(a)
47051	(a)
47052	(a)
47103	(a)
47146	(a)
47147	(a)
47253	(a)
47254	(a)
47468	(a)
47600	(a)
47610	(a)
48177	(a)
48178	(a)
48252	(a)
48610	(a)
48727	(a)
48924	(a)
49305	(a)
49451	(a)
49452	(a)
49800	(a)
49890	(a)
49891	(a)
49902	(a)
49903	(a)
63219	(a)
63220	(a)
64500	(a)
97501	(a)

97502	(a)
97503	(a)
97504	(a)

CLASS GROUP 16

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

*

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

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)						CLASS GROUP 34	
98423	2.57	99321	6.22	96317	0.29	10036	2.70
98424	4.36	99613	5.51	96872	1.03	10073	4.20
98425	1.79	99620	0.30	97220	0.075	10075	31.17
98426	1.58	99718	0.88	97308	0.14	10107	12.84
98427	1.54	99746	1.49	97447	0.46	10255	1.00
98449	2.21	99760	0.17	97651	1.36	10256	3.66
98482	2.37	99793	1.89	97652	1.18	10257	0.69
98483	3.50	99827	0.27	97655	1.05	11039	3.65
98502	3.35	99851	1.10	98002	0.19	11248	0.19
98555	1.56	99917	1.78	98152	0.64	12014	0.41
98597	0.35	99938	2.00	98153	0.72	12509	0.25
98598	0.12	99943	5.80	98154	0.85	12510	3.17
98601	4.01	99946	4.32	98155	1.19	12583	1.41
98624	0.63	99963	0.43	98157	0.76	12651	4.11
98640	69.14	CLASS GROUP 33		98159	0.51	12683	1.88
98677	10.90	91130	0.28	98160	1.08	13201	3.63
98678	9.68	91135	0.078	98161	1.21	13204	4.11
98699	3.15	91200	0.16	98163	1.27	13205	1.58
98710	2.19	91265	3.42	98303	2.39	13410	5.75
98805	2.86	91266	1.81	98309	1.20	13412	1.94
98820	5.46	91266	1.81	98429	0.25	13453	2.24
98884	1.42	91560	1.00	98658	1.23	13454	2.62
98967	2.23	91580	1.32	98659	0.22	13455	2.66
99003	1.06	91606	2.74	98705	1.74	13590	1.98
99080	0.75	91629	0.56	98751	0.93	13621	0.50
99111	1.09	91636	0.96	98914	0.15	14279	1.91
99163	2.60	91641	0.26	98949	0.21	14855	0.88
99165	0.57	91722	0.84	99220	0.33	15062	0.79
99223	0.16	92445	0.55	99222	0.62	15063	0.92
99303	8.72	92663	0.13	99471	0.15	15188	1.39
99310	2.18	95306	1.10	99969	0.60	15404	0.36
99315	6.41	95357	0.28	99988	0.53	15405	0.53
		95455	1.16				
		95505	0.54				

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

*Base Class

CLASS GROUP 34 (cont'd)		CLASS GROUP 35		59647	1.34	51752	4.54
15406	1.35	51300	0.91	59773	0.17	51796	1.96
15488	3.37	51305	0.91	59774	0.14	51808	6.97
15733	0.88	51350	1.53	59775	0.18	51809	8.65
16009	1.08	51351	1.37	59889	0.56	51869	2.31
16588	0.50	51352	1.88	CLASS GROUP 36		51877	13.01
16604	0.84	51355	1.28	50010	5.03	51889	2.14
16694	1.66	51356	1.38	50015	3.27	51896	1.00
16819	4.78	51575	0.41	50017	2.49	51919	2.16
16820	3.70	51666	0.65	50045	5.69	51926	2.20
16890	0.56	51767	0.19	50047	0.64	51927	1.19
16891	0.61	51777	0.66	51201	0.86	51934	2.41
16892	1.11	51790	1.10	51205	2.62	51941	2.19
18506	1.76	51833	0.99	51206	0.41	51942	3.50
18616	1.34	51900	0.74	51240	10.34	51956	9.45
45380	1.03	52315	0.86	51241	30.72	51957	8.33
45771	1.57	52744	3.79	51251	0.89	51958	7.40
45819	0.51	53374	1.00	51252	3.12	51959	7.58
49239	0.77	53375	0.53	51253	2.66	51960	1.00
51315	0.50	53376	0.85	51254	0.83	51970	4.35
51357	0.71	53377	0.87	51340	0.85	51982	1.28
51358	1.71	53403	0.55	51370	10.10	51986	5.03
51359	1.50	53565	0.64	51380	1.01	51999	2.12
59925	1.54	55371	2.55	51500	1.91	52002	1.86
59926	1.31	55802	0.66	51550	2.36	52109	0.47
59927	0.88	56488	1.10	51551	0.82	52134	6.23
		56690	0.57	51552	1.42	52150	11.47
		57403	1.35	51553	2.53	52402	0.47
		58020	1.45	51554	0.24	52432	2.33
		58713	0.42	51576	4.54	52433	2.13
		59188	2.88	51600	3.09	52435	2.67
		59189	3.95	51613	2.04	52438	1.93
		59482	3.00	51741	5.38	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>		52341	0.30	57411	0.28	59917	0.32
48636	10.49	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		
52076	1.47	56920	1.14	59892	0.77		
52137	0.48	57090	1.83	59904	0.52		
		57146	1.16	59915	1.73		

*

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	<u>CLASS GROUP 39</u>		91587	(a)	99986	(a)	
15070	0.13			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

SECTION F
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	12/31/2016	\$23,878,780	1.000		1.062				\$25,359,264
	12/31/2017	25,804,701	1.000		1.052				27,146,545
	12/31/2018	26,885,500	1.006		1.037				28,047,545
MULTILINE	12/31/2016	\$83,435,135	1.000		1.063		0.859		\$76,186,040
	12/31/2017	86,784,843	1.000		1.054		0.859		78,573,782
	12/31/2018	88,688,712	1.006		1.038		0.859		79,553,052
TOTAL	12/31/2016								\$101,545,304
	12/31/2017								105,720,327
	12/31/2018								107,600,597

+ 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 07/01/2020 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	12/31/2016	\$11,436,770		1.093		1.085		1.159		0.927		\$14,571,909
		12/31/2017	9,406,618		1.443		1.085		1.126		0.941		15,604,778
		12/31/2018	6,940,526		2.035		1.085		1.093		0.956		16,012,701
BI	ALAE	12/31/2016	\$18,375,350				1.085		1.159		0.927		\$21,420,447
		12/31/2017	14,473,583				1.085		1.126		0.941		16,639,252
		12/31/2018	20,442,677				1.085		1.093		0.956		23,176,378
PD	B/L INDEMNITY	12/31/2016	\$18,812,804		1.209		1.085		1.338		0.927		\$30,608,738
		12/31/2017	17,734,316		1.311		1.085		1.262		0.941		29,956,830
		12/31/2018	12,754,743		1.529		1.085		1.191		0.956		24,092,318
PD	ALAE	12/31/2016	\$28,336,036				1.085		1.338		0.927		\$38,133,326
		12/31/2017	27,060,311				1.085		1.262		0.941		34,866,753
		12/31/2018	21,891,329				1.085		1.191		0.956		27,044,037
	TOTAL												
	FULL COVERAGE	12/31/2016											\$104,734,419
		12/31/2017											97,067,612
		12/31/2018											90,325,434

* 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	12/31/2016	\$1,590,170		1.234		1.085		1.159		0.927		\$2,287,450
		12/31/2017	1,621,225		1.485		1.085		1.126		0.941		2,767,754
		12/31/2018	813,295		2.426		1.085		1.093		0.956		2,236,901
BI	ALAE	12/31/2016	\$2,146,076				1.085		1.159		0.927		\$2,501,716
		12/31/2017	2,883,401				1.085		1.126		0.941		3,314,842
		12/31/2018	3,023,366				1.085		1.093		0.956		3,427,666
PD	B/L INDEMNITY	12/31/2016	\$2,207,724		1.085		1.085		1.338		0.927		\$3,223,592
		12/31/2017	3,102,310		1.123		1.085		1.262		0.941		4,488,939
		12/31/2018	2,386,977		1.308		1.085		1.191		0.956		3,857,051
PD	ALAE	12/31/2016	\$2,805,848				1.085		1.338		0.927		\$3,775,980
		12/31/2017	6,391,807				1.085		1.262		0.941		8,235,735
		12/31/2018	3,944,204				1.085		1.191		0.956		4,872,578
	TOTAL DED COVERAGE	12/31/2016											\$11,788,739
		12/31/2017											18,807,269
		12/31/2018											14,394,195
	TOTAL	12/31/2016											\$116,523,158
		12/31/2017											115,874,882
		12/31/2018											104,719,629

* 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	0.843
35	Not Applicable	--
36	Service Policy	0.909
37	Industrial/Processing Policy	0.866
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	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
12/31/2011	204,835,056	208,164,225	208,042,486	208,037,218	208,037,597	208,035,967	208,035,999	208,035,999
12/31/2012	214,724,779	217,698,788	217,681,536	217,695,894	217,687,776	217,688,000	217,685,880	
12/31/2013	225,261,039	227,627,237	227,623,277	227,562,626	227,560,295	227,560,819		
12/31/2014	232,396,278	238,264,563	237,985,796	237,948,271	237,871,639			
12/31/2015	235,028,602	235,761,953	235,508,577	235,439,321				
12/31/2016	224,899,093	224,647,735	224,822,866					
12/31/2017	220,373,248	221,519,070						
12/31/2018	218,683,098							

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>
12/31/2011	1.016	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2012	1.014	1.000	1.000	1.000	1.000	1.000	
12/31/2013	1.011	1.000	1.000	1.000	1.000		
12/31/2014	1.025	0.999	1.000	1.000			
12/31/2015	1.003	0.999	1.000				
12/31/2016	0.999	1.001					
12/31/2017	1.005						
12/31/2018							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.006	1.000

Accident Year Ending	Exposure Development From <u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>	<u>Factor</u>
12/31/2016			1.000	1.000
12/31/2017		1.000	1.000	1.000
12/31/2018	1.006	1.000	1.000	1.006

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:											
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
12/31/1999	5,717,015	10,569,732	14,356,450	16,981,064	17,081,349	16,929,106	16,893,460	16,604,162	17,052,217	17,286,547	17,112,687
12/31/2000	6,449,962	10,033,274	13,729,433	15,431,034	15,323,473	15,192,172	15,868,032	15,345,582	15,225,466	15,293,967	15,207,277
12/31/2001	7,537,915	11,487,533	15,110,683	15,697,373	16,074,033	16,099,785	16,387,745	16,733,846	16,433,076	16,289,764	16,609,946
12/31/2002	6,793,461	10,503,399	14,106,818	15,968,391	15,448,574	14,723,038	14,522,061	14,285,828	14,281,474	14,309,545	14,598,065
12/31/2003	7,104,756	11,402,396	14,372,287	15,265,769	14,684,755	13,983,099	13,681,336	14,216,365	14,559,196	14,748,307	14,718,788
12/31/2004	6,651,990	10,441,136	13,710,157	15,174,010	14,832,935	13,841,888	13,850,098	13,729,546	14,091,358	14,203,538	14,205,116
12/31/2005	8,388,932	10,021,755	12,984,688	12,649,875	12,987,896	13,143,146	13,019,008	13,289,851	13,064,271	12,964,345	12,917,622
12/31/2006	7,717,029	11,993,600	15,910,477	16,192,312	15,887,278	16,078,375	15,954,977	16,219,028	16,474,800	16,427,133	16,066,903
12/31/2007	8,901,689	13,932,807	17,205,969	18,297,746	18,098,623	18,250,071	17,760,766	17,751,594	17,533,520	17,427,818	17,555,300
12/31/2008	9,101,834	13,238,554	15,942,410	16,274,984	17,980,803	16,728,097	16,604,973	16,425,051	16,461,558	16,505,746	16,743,765
12/31/2009	10,881,954	13,556,300	16,014,683	16,208,587	15,902,856	15,995,618	15,897,357	15,979,180	15,924,448	16,188,362	
12/31/2010	10,846,473	15,004,305	16,577,497	17,234,052	17,530,587	16,100,506	15,901,753	15,895,140	15,920,906		
12/31/2011	8,727,742	11,726,521	14,822,904	14,979,662	14,308,465	14,177,131	14,036,555	14,166,737			
12/31/2012	8,420,808	12,625,212	16,559,269	16,946,741	16,954,821	16,626,019	16,440,010				
12/31/2013	6,669,511	9,461,665	13,116,130	13,884,875	14,228,247	14,050,212					
12/31/2014	7,382,818	10,139,074	13,608,235	15,279,621	14,775,408						
12/31/2015	7,287,436	9,520,900	12,456,831	13,847,593							
12/31/2016	6,051,107	8,703,775	11,202,564								
12/31/2017	6,629,159	9,812,226									
12/31/2018	6,778,342										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	17,044,753	16,931,356	17,037,761	17,293,386	18,083,352	18,329,418	18,382,966	17,460,390	17,346,771
12/31/2000	15,218,304	15,368,268	15,413,455	15,610,958	15,910,110	15,960,093	16,410,539	16,447,518	
12/31/2001	16,929,441	17,035,066	17,263,078	17,590,532	17,529,555	17,760,304	17,773,256		
12/31/2002	15,064,726	14,748,163	14,862,938	14,539,610	14,785,186	14,768,063			
12/31/2003	14,735,626	14,910,007	14,830,563	14,898,154	15,064,348				
12/31/2004	14,073,211	13,963,202	14,140,362	14,187,343					
12/31/2005	12,830,165	12,848,326	12,845,367						
12/31/2006	16,359,934	16,563,503							
12/31/2007	17,532,898								

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
12/31/1999	1.849	1.358	1.183	1.006	0.991	0.998	0.983	1.027	1.014	0.990	0.996
12/31/2000	1.556	1.368	1.124	0.993	0.991	1.044	0.967	0.992	1.004	0.994	1.001
12/31/2001	1.524	1.315	1.039	1.024	1.002	1.018	1.021	0.982	0.991	1.020	1.019
12/31/2002	1.546	1.343	1.132	0.967	0.953	0.986	0.984	1.000	1.002	1.020	1.032
12/31/2003	1.605	1.260	1.062	0.962	0.952	0.978	1.039	1.024	1.013	0.998	1.001
12/31/2004	1.570	1.313	1.107	0.978	0.933	1.001	0.991	1.026	1.008	1.000	0.991
12/31/2005	1.195	1.296	0.974	1.027	1.012	0.991	1.021	0.983	0.992	0.996	0.993
12/31/2006	1.554	1.327	1.018	0.981	1.012	0.992	1.017	1.016	0.997	0.978	1.018
12/31/2007	1.565	1.235	1.063	0.989	1.008	0.973	0.999	0.988	0.994	1.007	0.999
12/31/2008	1.454	1.204	1.021	1.105	0.930	0.993	0.989	1.002	1.003	1.014	
12/31/2009	1.246	1.181	1.012	0.981	1.006	0.994	1.005	0.997	1.017		
12/31/2010	1.383	1.105	1.040	1.017	0.918	0.988	1.000	1.002			
12/31/2011	1.344	1.264	1.011	0.955	0.991	0.990	1.009				
12/31/2012	1.499	1.312	1.023	1.000	0.981	0.989					
12/31/2013	1.419	1.386	1.059	1.025	0.987						
12/31/2014	1.373	1.342	1.123	0.967							
12/31/2015	1.306	1.308	1.112								
12/31/2016	1.438	1.287									
12/31/2017	1.480										
3 Yr Mean	1.408	1.312	1.098	0.997	0.986	0.989	1.005	1.000	1.005	1.000	1.003
Best 3/5	1.410	1.321	1.065	0.995	0.986	0.991	1.001	1.000	0.998	1.001	0.998

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	0.993	1.006	1.015	1.046	1.014	1.003	0.950	0.993			
12/31/2000	1.010	1.003	1.013	1.019	1.003	1.028	1.002	1.002 *			
12/31/2001	1.006	1.013	1.019	0.997	1.013	1.001	1.003 *	1.002 *			
12/31/2002	0.979	1.008	0.978	1.017	0.999	1.006 *	1.003 *	1.002 *			
12/31/2003	1.012	0.995	1.005	1.011	1.016 *	1.006 *	1.003 *	1.002 *			
12/31/2004	0.992	1.013	1.003								
12/31/2005	1.001	1.000									
12/31/2006	1.012										
3 Yr Mean	1.002	1.003	0.995	1.008	1.005 @	1.011 @	0.976 @	0.993 @			
Best 3/5	1.002	1.007	1.007	1.016	1.010 *	1.005 *	1.003 *	1.002 *			

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
12/31/2014					0.986	0.991	1.001	1.000	0.998	1.001	0.998
12/31/2015				0.995	0.986	0.991	1.001	1.000	0.998	1.001	0.998
12/31/2016			1.065	0.995	0.986	0.991	1.001	1.000	0.998	1.001	0.998
12/31/2017		1.321	1.065	0.995	0.986	0.991	1.001	1.000	0.998	1.001	0.998
12/31/2018	1.410	1.321	1.065	0.995	0.986	0.991	1.001	1.000	0.998	1.001	0.998

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.002	1.007	1.007	1.016	1.010	1.005	1.003	1.002	1.004*	1.031
12/31/2015	1.002	1.007	1.007	1.016	1.010	1.005	1.003	1.002	1.004*	1.026
12/31/2016	1.002	1.007	1.007	1.016	1.010	1.005	1.003	1.002	1.004*	1.093
12/31/2017	1.002	1.007	1.007	1.016	1.010	1.005	1.003	1.002	1.004*	1.443
12/31/2018	1.002	1.007	1.007	1.016	1.010	1.005	1.003	1.002	1.004*	2.035

* 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
12/31/1999	489,628	684,095	942,281	1,109,567	1,227,393	1,100,508	1,319,661	1,155,355	1,144,023	1,070,122	1,193,595
12/31/2000	870,239	1,069,778	1,256,990	1,495,480	1,409,661	1,375,363	1,531,917	1,595,954	1,673,321	1,559,785	1,688,780
12/31/2001	498,354	1,028,391	1,417,213	1,703,023	1,477,859	1,673,159	1,988,228	1,953,088	1,991,661	1,908,726	1,929,624
12/31/2002	553,001	1,105,166	1,453,740	1,389,328	1,624,546	1,622,279	1,695,928	1,520,005	1,468,078	1,471,973	1,469,628
12/31/2003	630,019	904,600	939,108	1,634,794	1,374,153	1,335,817	1,390,331	1,381,834	1,384,309	1,389,957	1,392,068
12/31/2004	1,179,217	1,433,888	2,231,909	2,366,761	2,365,969	2,239,999	2,102,002	2,087,667	2,087,050	2,088,514	2,102,805
12/31/2005	706,817	985,457	1,733,435	1,813,687	1,197,901	1,201,595	1,239,458	1,172,627	1,070,138	1,065,713	1,070,204
12/31/2006	1,012,660	1,790,467	2,007,740	1,972,457	1,682,504	1,614,930	1,643,339	1,690,785	1,594,811	1,599,313	1,627,214
12/31/2007	1,775,707	2,300,635	2,174,000	2,490,444	2,554,309	2,089,228	2,095,655	2,202,232	2,206,643	2,231,632	2,241,907
12/31/2008	1,030,087	1,440,957	1,766,961	1,859,373	1,963,092	2,013,719	2,129,233	2,101,703	2,024,204	2,011,854	2,009,628
12/31/2009	893,756	969,404	1,137,659	1,272,024	1,495,638	1,642,179	1,586,940	1,581,941	1,674,167	1,671,940	
12/31/2010	1,046,857	1,879,906	2,031,526	2,136,140	2,267,507	2,464,744	2,417,405	2,216,188	2,705,107		
12/31/2011	1,213,415	1,646,204	2,053,142	1,769,937	1,745,346	1,750,128	1,848,096	1,855,194			
12/31/2012	1,026,582	1,252,871	1,743,602	1,627,904	1,495,152	1,692,087	1,795,150				
12/31/2013	693,051	981,104	1,044,864	1,228,706	1,315,719	1,375,968					
12/31/2014	754,627	1,610,710	1,872,354	2,138,741	2,078,516						
12/31/2015	880,830	1,190,955	1,183,366	1,486,877							
12/31/2016	876,851	1,130,282	1,561,883								
12/31/2017	509,952	1,322,768									
12/31/2018	847,528										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	1,193,496	1,477,295	1,416,737	1,333,829	1,342,618	1,329,540	1,329,540	1,275,033	1,275,033
12/31/2000	1,740,903	1,721,132	1,837,562	1,883,321	1,873,869	1,962,250	1,965,249	1,966,124	
12/31/2001	1,951,898	1,913,648	1,923,502	1,920,740	1,916,741	1,923,340	1,916,740		
12/31/2002	1,469,628	1,470,258	1,471,607	1,474,308	1,474,307	1,499,307			
12/31/2003	1,392,084	1,392,183	1,394,884	1,394,883	1,394,883				
12/31/2004	2,098,729	2,101,430	2,101,429	2,101,429					
12/31/2005	1,072,911	1,073,003	1,072,904						
12/31/2006	1,602,011	1,602,011							
12/31/2007	2,259,132								

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
12/31/1999	1.397	1.377	1.178	1.106	0.897	1.199	0.875	0.990	0.935	1.115	1.000
12/31/2000	1.229	1.175	1.190	0.943	0.976	1.114	1.042	1.048	0.932	1.083	1.031
12/31/2001	2.064	1.378	1.202	0.868	1.132	1.188	0.982	1.020	0.958	1.011	1.012
12/31/2002	1.998	1.315	0.956	1.169	0.999	1.045	0.896	0.966	1.003	0.998	1.000
12/31/2003	1.436	1.038	1.741	0.841	0.972	1.041	0.994	1.002	1.004	1.002	1.000
12/31/2004	1.216	1.557	1.060	1.000	0.947	0.938	0.993	1.000	1.001	1.007	0.998
12/31/2005	1.394	1.759	1.046	0.660	1.003	1.032	0.946	0.913	0.996	1.004	1.003
12/31/2006	1.768	1.121	0.982	0.853	0.960	1.018	1.029	0.943	1.003	1.017	0.985
12/31/2007	1.296	0.945	1.146	1.026	0.818	1.003	1.051	1.002	1.011	1.005	1.008
12/31/2008	1.399	1.226	1.052	1.056	1.026	1.057	0.987	0.963	0.994	0.999	
12/31/2009	1.085	1.174	1.118	1.176	1.098	0.966	0.997	1.058	0.999		
12/31/2010	1.796	1.081	1.051	1.061	1.087	0.981	0.917	1.221			
12/31/2011	1.357	1.247	0.862	0.986	1.003	1.056	1.004				
12/31/2012	1.220	1.392	0.934	0.918	1.132	1.061					
12/31/2013	1.416	1.065	1.176	1.071	1.046						
12/31/2014	2.134	1.162	1.142	0.972							
12/31/2015	1.352	0.994	1.256								
12/31/2016	1.289	1.382									
12/31/2017	2.594										
3 Yr Mean	1.745	1.179	1.191	0.987	1.060	1.033	0.973	1.081	1.001	1.007	0.999
Best 3/5	1.634	1.203	1.084	1.006	1.077	1.031	0.996	1.008	0.999	1.005	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	1.238	0.959	0.941	1.007	0.990	1.000	0.959	1.000			
12/31/2000	0.989	1.068	1.025	0.995	1.047	1.002	1.000	1.000 *			
12/31/2001	0.980	1.005	0.999	0.998	1.003	0.997	1.002 *	1.000 *			
12/31/2002	1.000	1.001	1.002	1.000	1.017	1.006 *	1.002 *	1.000 *			
12/31/2003	1.000	1.002	1.000	1.000	0.999 *	1.006 *	1.002 *	1.000 *			
12/31/2004	1.001	1.000	1.000								
12/31/2005	1.000	1.000									
12/31/2006	1.000										
3 Yr Mean	1.000	1.001	1.001	0.999	1.022 @	1.000 @	0.980 @	1.000 @			
Best 3/5	1.000	1.001	1.001	0.999	1.006 *	1.003 *	1.001 *	1.000 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.077	1.031	0.996	1.008	0.999	1.005	1.000
12/31/2015				1.006	1.077	1.031	0.996	1.008	0.999	1.005	1.000
12/31/2016			1.084	1.006	1.077	1.031	0.996	1.008	0.999	1.005	1.000
12/31/2017		1.203	1.084	1.006	1.077	1.031	0.996	1.008	0.999	1.005	1.000
12/31/2018	1.634	1.203	1.084	1.006	1.077	1.031	0.996	1.008	0.999	1.005	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.000	1.001	1.001	0.999	1.006	1.003	1.001	1.000	1.000*	1.132
12/31/2015	1.000	1.001	1.001	0.999	1.006	1.003	1.001	1.000	1.000*	1.138
12/31/2016	1.000	1.001	1.001	0.999	1.006	1.003	1.001	1.000	1.000*	1.234
12/31/2017	1.000	1.001	1.001	0.999	1.006	1.003	1.001	1.000	1.000*	1.485
12/31/2018	1.000	1.001	1.001	0.999	1.006	1.003	1.001	1.000	1.000*	2.426

* 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:											
A.Y.E	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	1,161,678	3,985,613	7,387,691	10,668,200	13,233,772	14,548,644	15,046,702	15,197,863	16,154,995	17,507,138	18,212,354
12/31/2000	1,120,843	4,194,972	8,278,858	11,903,286	13,579,226	14,892,898	17,194,649	17,887,365	19,023,750	19,778,183	19,958,554
12/31/2001	1,749,799	5,171,981	8,442,798	10,704,339	13,917,491	15,584,906	17,349,240	19,004,466	19,379,048	19,351,876	19,689,370
12/31/2002	1,599,652	3,784,060	8,215,607	12,445,362	15,871,320	18,902,695	19,187,685	19,940,615	20,453,984	20,909,959	21,184,268
12/31/2003	1,390,196	4,232,804	8,816,128	14,113,556	17,963,232	19,410,673	20,052,354	21,073,727	20,775,505	21,728,862	22,881,859
12/31/2004	963,866	3,137,637	6,575,179	10,512,971	13,408,866	13,685,622	15,164,856	16,013,952	16,903,080	18,100,276	18,247,993
12/31/2005	1,467,363	3,040,154	5,503,467	7,694,767	9,975,868	12,148,120	12,239,645	12,581,531	12,796,693	13,157,614	13,451,044
12/31/2006	1,914,530	6,329,533	8,227,758	11,090,346	12,902,778	14,472,025	16,502,307	17,833,084	16,905,923	16,987,308	17,004,217
12/31/2007	2,349,364	6,833,692	10,526,282	14,448,149	17,648,878	19,486,806	20,643,209	20,870,362	21,097,686	25,424,744	25,431,969
12/31/2008	1,739,266	4,066,748	8,121,453	13,713,388	17,755,230	19,922,808	19,832,125	20,252,091	20,562,572	20,729,111	20,878,511
12/31/2009	3,228,503	5,776,824	10,277,218	13,501,689	15,820,824	16,890,759	16,949,491	17,221,537	17,213,012	17,312,308	
12/31/2010	2,015,921	5,540,961	9,555,638	14,943,874	17,277,804	18,031,842	18,245,560	18,420,474	18,543,926		
12/31/2011	2,319,665	5,503,119	9,998,365	13,375,894	15,347,227	16,612,662	17,673,645	17,615,972			
12/31/2012	2,394,118	7,047,002	15,699,422	20,885,254	24,280,165	27,045,761	27,252,110				
12/31/2013	1,553,046	4,820,251	8,692,872	11,512,617	13,661,849	15,094,943					
12/31/2014	1,584,286	4,365,831	8,163,959	12,070,876	15,019,566						
12/31/2015	2,191,076	4,724,577	8,307,097	12,511,444							
12/31/2016	1,434,181	3,963,589	8,916,348								
12/31/2017	1,249,751	3,364,322									
12/31/2018	2,045,496										

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>
12/31/1999	18,624,785	19,125,647	19,695,875	20,534,413	21,868,607	22,419,334	22,841,682	23,368,424	23,630,162
12/31/2000	20,286,810	20,586,684	20,968,539	21,098,560	21,347,767	21,525,516	21,664,477	21,962,086	
12/31/2001	19,987,812	20,329,171	20,609,279	20,912,049	21,122,306	21,422,486	21,577,685		
12/31/2002	23,638,152	23,557,837	23,531,498	22,785,011	22,903,075	23,404,020			
12/31/2003	22,818,076	23,080,027	22,412,276	22,507,667	22,549,549				
12/31/2004	18,404,058	18,527,598	18,657,113	18,911,037					
12/31/2005	13,626,250	13,729,752	13,855,899						
12/31/2006	17,017,417	17,191,531							
12/31/2007	25,534,736								

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>
12/31/1999	2,823,935	3,402,078	3,280,509	2,565,572	1,314,872	498,058	151,161	957,132	1,352,143	705,216	412,431	500,862	570,228
12/31/2000	3,074,129	4,083,886	3,624,428	1,675,940	1,313,672	2,301,751	692,716	1,136,385	754,433	180,371	328,256	299,874	381,855
12/31/2001	3,422,182	3,270,817	2,261,541	3,213,152	1,667,415	1,764,334	1,655,226	374,582	-27,172	337,494	298,442	341,359	280,108
12/31/2002	2,184,408	4,431,547	4,229,755	3,425,958	3,031,375	284,990	752,930	513,369	455,975	274,309	2,453,884	-80,315	-26,339
12/31/2003	2,842,608	4,583,324	5,297,428	3,849,676	1,447,441	641,681	1,021,373	-298,222	953,357	1,152,997	-63,783	261,951	-667,751
12/31/2004	2,173,771	3,437,542	3,937,792	2,895,895	276,756	1,479,234	849,096	889,128	1,197,196	147,717	156,065	123,540	129,515
12/31/2005	1,572,791	2,463,313	2,191,300	2,281,101	2,172,252	91,525	341,886	215,162	360,921	293,430	175,206	103,502	126,147
12/31/2006	4,415,003	1,898,225	2,862,588	1,812,432	1,569,247	2,030,282	1,330,777	-927,161	81,385	16,909	13,200	174,114	
12/31/2007	4,484,328	3,692,590	3,921,867	3,200,729	1,837,928	1,156,403	227,153	227,324	4,327,058	7,225	102,767		
12/31/2008	2,327,482	4,054,705	5,591,935	4,041,842	2,167,578	-90,683	419,966	310,481	166,539	149,400			
12/31/2009	2,548,321	4,500,394	3,224,471	2,319,135	1,069,935	58,732	272,046	-8,525	99,296				
12/31/2010	3,525,040	4,014,677	5,388,236	2,333,930	754,038	213,718	174,914	123,452					
12/31/2011	3,183,454	4,495,246	3,377,529	1,971,333	1,265,435	1,060,983	-57,673						
12/31/2012	4,652,884	8,652,420	5,185,832	3,394,911	2,765,596	206,349							
12/31/2013	3,267,205	3,872,621	2,819,745	2,149,232	1,433,094								
12/31/2014	2,781,545	3,798,128	3,906,917	2,948,690									
12/31/2015	2,533,501	3,582,520	4,204,347										
12/31/2016	2,529,408	4,952,759											
12/31/2017	2,114,571												

	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>
12/31/1999	0.0858	0.1033	0.0996	0.0779	0.0399	0.0151	0.0046	0.0291	0.0411	0.0214	0.0125	0.0152	0.0173
12/31/2000	0.1003	0.1333	0.1183	0.0547	0.0429	0.0751	0.0226	0.0371	0.0246	0.0059	0.0107	0.0098	0.0125
12/31/2001	0.1052	0.1006	0.0695	0.0988	0.0513	0.0543	0.0509	0.0115	-0.0008	0.0104	0.0092	0.0105	0.0086
12/31/2002	0.0761	0.1545	0.1474	0.1194	0.1057	0.0099	0.0262	0.0179	0.0159	0.0096	0.0855	-0.0028	-0.0009
12/31/2003	0.0893	0.1440	0.1665	0.1210	0.0455	0.0202	0.0321	-0.0094	0.0300	0.0362	-0.0020	0.0082	-0.0210
12/31/2004	0.0812	0.1284	0.1471	0.1082	0.0103	0.0553	0.0317	0.0332	0.0447	0.0055	0.0058	0.0046	0.0048
12/31/2005	0.0534	0.0837	0.0745	0.0775	0.0738	0.0031	0.0116	0.0073	0.0123	0.0100	0.0060	0.0035	0.0043
12/31/2006	0.1263	0.0543	0.0819	0.0519	0.0449	0.0581	0.0381	-0.0265	0.0023	0.0005	0.0004	0.0050	
12/31/2007	0.1157	0.0953	0.1012	0.0826	0.0474	0.0298	0.0059	0.0059	0.1117	0.0002	0.0027		
12/31/2008	0.0706	0.1229	0.1696	0.1226	0.0657	-0.0027	0.0127	0.0094	0.0050	0.0045			
12/31/2009	0.0686	0.1212	0.0868	0.0624	0.0288	0.0016	0.0073	-0.0002	0.0027				
12/31/2010	0.0999	0.1138	0.1527	0.0661	0.0214	0.0061	0.0050	0.0035					
12/31/2011	0.1139	0.1609	0.1209	0.0706	0.0453	0.0380	-0.0021						
12/31/2012	0.1325	0.2463	0.1476	0.0967	0.0787	0.0059							
12/31/2013	0.1127	0.1336	0.0973	0.0741	0.0494								
12/31/2014	0.0838	0.1144	0.1177	0.0888									
12/31/2015	0.0903	0.1277	0.1499										
12/31/2016	0.1050	0.2055											
12/31/2017	0.0841												

Best 3/5	0.0931	0.1556	0.1287	0.0778	0.0412	0.0045	0.0060	0.0030	0.0067	0.0035	0.0030	0.0044	0.0027
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PRODUCTS (Subline Code 336)
FULL COVERAGE
MULTISTATE
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

A.Y.E.	183:171	195:183	207:195	Link Ratios 219:207	231:219	243:231	Ult:243
12/31/1999	1.043	1.065	1.025	1.019	1.023	1.011	1.043 *
12/31/2000	1.006	1.012	1.008	1.006	1.014	1.011 *	1.043 *
12/31/2001	1.015	1.010	1.014	1.007	1.010 *	1.011 *	1.043 *
12/31/2002	0.968	1.005	1.022	1.015 *	1.010 *	1.011 *	1.043 *
12/31/2003	1.004	1.002	1.009 *	1.015 *	1.010 *	1.011 *	1.043 *
12/31/2004	1.014						
Best 3/5	1.008	1.009	1.015 *	1.012 *	1.011 *	1.011 *	1.043 *

171 to Ultimate Factor: 1.114

<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>
	0.530	0.437	0.282	0.153	0.075	0.034	0.029
<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>
	0.023	0.020	0.014	0.010	0.007	0.003	0.000

A.Y.E	Reported ALAE as of 3/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2016	9,454,560	24,966,681	0.282	7,040,617	16,495,177	1.114	18,375,350
12/31/2017	2,930,700	23,025,028	0.437	10,061,952	12,992,652	1.114	14,473,583
12/31/2018	2,013,902	30,824,497	0.530	16,336,996	18,350,898	1.114	20,442,677

* 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:

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
12/31/1999	8,775,392	11,535,910	13,261,731	14,911,838	14,482,216	15,518,987	15,373,379	16,532,220	17,305,331	17,611,023	17,653,455
12/31/2000	9,359,243	12,279,206	13,973,001	14,691,586	15,996,268	16,853,143	17,692,485	18,458,300	18,703,896	19,022,889	19,036,275
12/31/2001	10,869,760	13,663,578	17,452,620	18,711,416	18,613,153	19,344,924	20,491,312	20,372,410	20,877,064	21,074,729	21,359,528
12/31/2002	8,533,174	13,870,196	16,823,277	16,055,637	16,062,495	17,132,778	17,509,920	17,773,076	18,044,002	18,222,620	18,780,953
12/31/2003	9,012,463	11,099,270	13,275,916	14,336,459	15,527,939	16,801,077	17,205,204	17,822,810	18,396,081	18,716,324	18,777,872
12/31/2004	9,194,145	10,781,272	12,043,858	12,480,851	13,822,864	14,106,820	14,439,410	14,835,573	14,979,087	15,374,665	15,540,431
12/31/2005	10,979,382	12,763,283	13,035,554	13,750,429	14,035,423	14,503,047	14,469,086	15,492,129	15,509,844	16,185,873	16,497,692
12/31/2006	11,369,031	12,856,270	14,049,961	14,489,775	15,494,160	16,034,032	16,521,529	18,384,856	18,986,993	18,863,137	18,978,220
12/31/2007	14,784,289	16,984,723	18,098,424	18,003,843	19,189,763	20,022,203	21,337,826	22,022,132	22,351,476	23,106,876	23,683,391
12/31/2008	15,223,786	18,435,601	19,820,517	20,915,565	21,673,701	22,709,746	23,331,127	23,849,672	24,460,633	24,942,823	25,121,810
12/31/2009	19,321,608	21,973,561	23,335,793	23,271,289	23,573,579	24,283,393	23,955,543	24,646,473	25,055,441	24,939,758	
12/31/2010	17,768,740	20,278,971	21,797,115	22,267,455	22,236,153	22,989,117	23,109,074	23,544,158	23,897,400		
12/31/2011	14,929,478	16,713,856	17,323,735	18,800,347	19,119,554	19,604,687	20,122,246	20,706,268			
12/31/2012	15,698,829	16,385,698	17,963,339	20,079,613	20,557,137	20,965,072	21,264,832				
12/31/2013	14,944,259	17,246,442	18,606,227	18,693,570	19,509,190	19,945,664					
12/31/2014	14,004,454	16,007,816	17,455,808	17,647,602	17,971,473						
12/31/2015	14,471,682	15,353,443	16,073,751	16,952,446							
12/31/2016	14,794,173	17,753,973	19,289,844								
12/31/2017	14,180,555	17,619,101									
12/31/2018	12,984,057										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	17,506,343	17,396,753	17,490,157	17,460,685	17,488,900	17,615,392	17,619,270	17,607,101	17,601,191
12/31/2000	18,806,380	18,952,041	18,800,922	18,787,279	18,788,670	18,787,298	18,789,499	18,778,999	
12/31/2001	21,382,074	21,181,581	21,095,311	21,144,984	21,097,835	21,104,662	21,093,862		
12/31/2002	18,866,142	18,971,235	19,005,707	19,129,786	19,129,492	19,060,980			
12/31/2003	19,271,550	19,070,628	19,030,715	19,060,957	19,043,720				
12/31/2004	15,744,795	15,631,858	15,809,273	15,560,951					
12/31/2005	16,361,715	16,273,213	16,500,520						
12/31/2006	18,801,803	19,126,281							
12/31/2007	23,820,491								

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
12/31/1999	1.315	1.150	1.124	0.971	1.072	0.991	1.075	1.047	1.018	1.002	0.992
12/31/2000	1.312	1.138	1.051	1.089	1.054	1.050	1.043	1.013	1.017	1.001	0.988
12/31/2001	1.257	1.277	1.072	0.995	1.039	1.059	0.994	1.025	1.009	1.014	1.001
12/31/2002	1.625	1.213	0.954	1.000	1.067	1.022	1.015	1.015	1.010	1.031	1.005
12/31/2003	1.232	1.196	1.080	1.083	1.082	1.024	1.036	1.032	1.017	1.003	1.026
12/31/2004	1.173	1.117	1.036	1.108	1.021	1.024	1.027	1.010	1.026	1.011	1.013
12/31/2005	1.162	1.021	1.055	1.021	1.033	0.998	1.071	1.001	1.044	1.019	0.992
12/31/2006	1.131	1.093	1.031	1.069	1.035	1.030	1.113	1.033	0.993	1.006	0.991
12/31/2007	1.149	1.066	0.995	1.066	1.043	1.066	1.032	1.015	1.034	1.025	1.006
12/31/2008	1.211	1.075	1.055	1.036	1.048	1.027	1.022	1.026	1.020	1.007	
12/31/2009	1.137	1.062	0.997	1.013	1.030	0.986	1.029	1.017	0.995		
12/31/2010	1.141	1.075	1.022	0.999	1.034	1.005	1.019	1.015			
12/31/2011	1.120	1.036	1.085	1.017	1.025	1.026	1.029				
12/31/2012	1.044	1.096	1.118	1.024	1.020	1.014					
12/31/2013	1.154	1.079	1.005	1.044	1.022						
12/31/2014	1.143	1.090	1.011	1.018							
12/31/2015	1.061	1.047	1.055								
12/31/2016	1.200	1.087									
12/31/2017	1.242										
3 Yr Mean	1.168	1.075	1.024	1.029	1.022	1.015	1.026	1.019	1.016	1.013	0.996
Best 3/5	1.166	1.085	1.050	1.020	1.026	1.015	1.027	1.019	1.016	1.012	1.004

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	0.994	1.005	0.998	1.002	1.007	1.000	0.999	1.000			
12/31/2000	1.008	0.992	0.999	1.000	1.000	1.000	0.999	1.000 *			
12/31/2001	0.991	0.996	1.002	0.998	1.000	0.999	1.000 *	1.000 *			
12/31/2002	1.006	1.002	1.007	1.000	0.996	1.000 *	1.000 *	1.000 *			
12/31/2003	0.990	0.998	1.002	0.999	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2004	0.993	1.011	0.984								
12/31/2005	0.995	1.014									
12/31/2006	1.017										
3 Yr Mean	1.002	1.008	0.998	0.999	0.999 @	1.000 @	0.999 @	1.000 @			
Best 3/5	0.998	1.004	1.001	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
12/31/2014					1.026	1.015	1.027	1.019	1.016	1.012	1.004
12/31/2015				1.020	1.026	1.015	1.027	1.019	1.016	1.012	1.004
12/31/2016			1.050	1.020	1.026	1.015	1.027	1.019	1.016	1.012	1.004
12/31/2017		1.085	1.050	1.020	1.026	1.015	1.027	1.019	1.016	1.012	1.004
12/31/2018	1.166	1.085	1.050	1.020	1.026	1.015	1.027	1.019	1.016	1.012	1.004

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	0.998	1.004	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.128
12/31/2015	0.998	1.004	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.151
12/31/2016	0.998	1.004	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.209
12/31/2017	0.998	1.004	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.311
12/31/2018	0.998	1.004	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.529

* 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
12/31/1999	871,891	974,564	1,240,484	1,804,131	1,825,758	1,990,773	2,124,460	2,280,180	2,603,467	2,813,817	2,899,708
12/31/2000	911,481	1,418,161	1,856,733	1,701,306	1,789,637	1,959,252	2,347,075	2,540,978	2,684,924	2,899,930	2,969,897
12/31/2001	1,714,268	1,906,815	2,501,349	2,794,304	2,722,663	3,033,211	3,480,995	4,053,613	4,295,842	4,413,920	4,562,554
12/31/2002	816,127	1,498,288	1,749,234	2,165,704	2,663,778	2,788,020	2,940,334	2,979,663	3,626,446	3,613,477	3,612,678
12/31/2003	1,112,048	1,100,271	1,034,747	1,198,168	1,258,275	1,407,272	1,758,440	1,800,015	1,823,913	1,978,839	2,303,717
12/31/2004	646,934	1,032,419	1,566,269	1,341,372	1,264,125	1,315,198	1,328,885	1,297,252	1,410,397	1,511,868	1,508,696
12/31/2005	1,247,844	2,341,128	2,237,914	2,570,256	2,665,469	2,564,226	2,830,164	2,951,706	2,948,330	2,896,340	2,831,657
12/31/2006	2,259,717	3,642,554	4,041,624	3,732,114	3,655,686	3,767,640	4,204,456	4,276,901	4,402,958	4,507,887	4,541,307
12/31/2007	3,147,462	2,878,702	2,861,591	2,951,695	3,267,561	3,203,908	3,281,797	3,460,666	3,555,960	3,569,190	3,689,724
12/31/2008	2,300,534	2,356,105	2,912,852	2,942,863	2,719,539	2,777,845	2,954,737	3,042,876	3,053,072	2,973,285	3,080,284
12/31/2009	3,491,893	3,487,472	3,033,187	3,092,760	3,240,776	3,461,193	3,368,806	3,494,914	3,533,663	3,721,210	
12/31/2010	2,146,474	3,013,663	3,275,886	3,013,927	3,001,696	3,111,554	3,178,635	3,098,837	3,148,850		
12/31/2011	3,103,138	3,172,965	3,030,473	3,019,418	3,195,289	3,108,294	3,072,212	3,071,735			
12/31/2012	2,717,493	2,633,520	2,996,093	2,829,308	2,967,153	2,644,919	2,658,274				
12/31/2013	3,542,774	3,578,990	3,636,208	3,715,846	3,657,084	3,731,285					
12/31/2014	3,144,357	4,105,220	4,108,647	4,323,418	4,244,684						
12/31/2015	2,628,499	2,808,688	3,060,015	2,943,331							
12/31/2016	2,860,766	3,201,787	2,881,966								
12/31/2017	2,022,128	2,644,590									
12/31/2018	2,507,459										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	2,852,363	2,836,252	2,837,368	2,842,280	2,842,280	2,842,275	2,842,275	2,842,275	2,842,275
12/31/2000	2,883,052	2,833,259	2,840,932	2,838,796	2,833,475	2,833,475	2,898,404	2,898,403	
12/31/2001	4,404,880	4,363,049	4,313,378	4,294,049	4,221,521	4,226,524	4,219,520		
12/31/2002	3,357,877	3,307,655	3,256,554	3,246,554	3,248,888	3,247,052			
12/31/2003	2,371,415	2,373,258	2,405,716	2,403,729	2,401,665				
12/31/2004	1,478,231	1,507,118	1,502,117	1,501,455					
12/31/2005	2,922,590	2,953,469	2,969,594						
12/31/2006	4,580,000	4,562,597							
12/31/2007	3,668,685								

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
12/31/1999	1.118	1.273	1.454	1.012	1.090	1.067	1.073	1.142	1.081	1.031	0.984
12/31/2000	1.556	1.309	0.916	1.052	1.095	1.198	1.083	1.057	1.080	1.024	0.971
12/31/2001	1.112	1.312	1.117	0.974	1.114	1.148	1.164	1.060	1.027	1.034	0.965
12/31/2002	1.836	1.167	1.238	1.230	1.047	1.055	1.013	1.217	0.996	1.000	0.929
12/31/2003	0.989	0.940	1.158	1.050	1.118	1.250	1.024	1.013	1.085	1.164	1.029
12/31/2004	1.596	1.517	0.856	0.942	1.040	1.010	0.976	1.087	1.072	0.998	0.980
12/31/2005	1.876	0.956	1.149	1.037	0.962	1.104	1.043	0.999	0.982	0.978	1.032
12/31/2006	1.612	1.110	0.923	0.980	1.031	1.116	1.017	1.029	1.024	1.007	1.009
12/31/2007	0.915	0.994	1.031	1.107	0.981	1.024	1.055	1.028	1.004	1.034	0.994
12/31/2008	1.024	1.236	1.010	0.924	1.021	1.064	1.030	1.003	0.974	1.036	
12/31/2009	0.999	0.870	1.020	1.048	1.068	0.973	1.037	1.011	1.053		
12/31/2010	1.404	1.087	0.920	0.996	1.037	1.022	0.975	1.016			
12/31/2011	1.023	0.955	0.996	1.058	0.973	0.988	1.000				
12/31/2012	0.969	1.138	0.944	1.049	0.891	1.005					
12/31/2013	1.010	1.016	1.022	0.984	1.020						
12/31/2014	1.306	1.001	1.052	0.982							
12/31/2015	1.069	1.089	0.962								
12/31/2016	1.119	0.900									
12/31/2017	1.308										

3 Yr Mean 1.165 0.997 1.012 1.005 0.961 1.005 1.004 1.010 1.010 1.026 1.012

Best 3/5 1.165 1.035 0.993 1.010 1.010 1.005 1.022 1.018 1.003 1.013 1.011

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1999	0.994	1.000	1.002	1.000	1.000	1.000	1.000	1.000
12/31/2000	0.983	1.003	0.999	0.998	1.000	1.023	1.000	1.000 *
12/31/2001	0.991	0.989	0.996	0.983	1.001	0.998	1.000 *	1.000 *
12/31/2002	0.985	0.985	0.997	1.001	0.999	1.000 *	1.000 *	1.000 *
12/31/2003	1.001	1.014	0.999	0.999	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2004	1.020	0.997	1.000					
12/31/2005	1.011	1.005						
12/31/2006	0.996							

3 Yr Mean 1.009 1.005 0.999 0.994 1.000 @ 1.007 @ 1.000 @ 1.000 @

Best 3/5 1.003 0.997 0.998 0.999 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
12/31/2014					1.010	1.005	1.022	1.018	1.003	1.013	1.011
12/31/2015				1.010	1.010	1.005	1.022	1.018	1.003	1.013	1.011
12/31/2016			0.993	1.010	1.010	1.005	1.022	1.018	1.003	1.013	1.011
12/31/2017		1.035	0.993	1.010	1.010	1.005	1.022	1.018	1.003	1.013	1.011
12/31/2018	1.165	1.035	0.993	1.010	1.010	1.005	1.022	1.018	1.003	1.013	1.011

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.003	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.082
12/31/2015	1.003	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.092
12/31/2016	1.003	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.085
12/31/2017	1.003	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.123
12/31/2018	1.003	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.308

* 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:											
A.Y.E	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	2,236,078	2,923,050	5,002,466	7,456,789	9,063,390	11,342,974	12,648,405	13,995,192	15,199,380	16,979,200	17,433,747
12/31/2000	2,436,637	3,528,799	5,887,588	9,635,930	12,277,809	15,448,008	17,907,448	18,816,792	19,420,901	20,234,853	20,673,129
12/31/2001	1,941,404	3,379,635	5,693,716	9,187,551	12,702,114	14,637,546	17,286,451	18,744,195	20,071,255	19,258,821	19,463,337
12/31/2002	1,064,656	3,023,275	6,096,449	8,057,161	9,942,851	11,153,024	11,808,507	13,816,822	13,078,246	13,482,527	14,034,064
12/31/2003	1,528,827	3,689,806	6,304,344	10,109,555	12,021,349	14,071,820	15,859,131	16,951,382	18,200,161	19,218,252	20,028,300
12/31/2004	1,756,954	2,793,625	5,286,754	7,556,249	9,670,461	11,707,085	13,047,669	14,065,505	15,260,903	16,304,671	16,988,803
12/31/2005	2,176,549	4,351,877	7,329,555	7,568,888	8,775,932	10,020,141	12,244,290	13,848,025	14,909,714	16,108,119	17,226,397
12/31/2006	1,556,752	3,554,437	6,620,332	9,355,081	11,255,688	13,355,834	14,448,432	16,644,186	19,751,203	20,344,735	21,134,637
12/31/2007	2,030,682	4,017,040	6,213,935	9,584,306	12,329,454	14,520,131	15,944,561	18,235,074	19,395,303	21,231,632	22,413,217
12/31/2008	2,094,777	5,066,963	9,023,775	12,679,518	15,853,993	18,335,323	19,622,588	20,758,294	21,468,964	22,265,558	22,571,546
12/31/2009	4,238,228	9,628,945	15,931,037	19,259,344	22,356,925	26,195,992	27,176,020	28,728,269	30,268,075	30,911,811	
12/31/2010	2,505,220	5,648,138	10,757,893	16,167,461	19,612,371	21,591,240	23,181,074	23,632,040	24,189,652		
12/31/2011	2,602,259	4,895,333	8,641,190	12,238,844	14,673,854	16,677,960	17,978,116	19,202,947			
12/31/2012	3,069,155	7,407,903	12,016,307	18,543,749	20,685,455	23,204,185	27,260,998				
12/31/2013	3,113,482	6,443,148	9,665,648	13,183,320	15,612,260	17,474,776					
12/31/2014	3,327,355	5,911,994	9,096,123	11,776,669	13,718,661						
12/31/2015	2,504,083	5,298,861	8,694,128	11,209,287							
12/31/2016	4,170,281	10,085,461	16,375,713								
12/31/2017	2,616,762	4,840,021									
12/31/2018	2,407,376										

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>
12/31/1999	18,031,174	17,603,932	17,739,167	17,675,290	17,789,698	17,715,960	17,729,959	17,742,390	17,794,898
12/31/2000	21,187,968	21,540,017	21,700,857	21,640,476	21,897,494	21,894,579	21,872,286	21,874,588	
12/31/2001	19,947,949	20,409,721	20,953,766	21,009,985	21,005,430	21,056,134	21,059,325		
12/31/2002	14,409,665	14,715,566	14,932,696	15,046,206	15,079,675	15,079,395			
12/31/2003	21,303,483	21,503,618	22,164,360	22,218,546	22,124,598				
12/31/2004	17,902,751	18,156,938	18,201,241	18,339,306					
12/31/2005	18,067,854	19,130,261	19,500,421						
12/31/2006	21,236,320	21,436,710							
12/31/2007	23,130,390								

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>
12/31/1999	686,972	2,079,416	2,454,323	1,606,601	2,279,584	1,305,431	1,346,787	1,204,188	1,779,820	454,547	597,427	-427,242	135,235
12/31/2000	1,092,162	2,358,789	3,748,342	2,641,879	3,170,199	2,459,440	909,344	604,109	813,952	438,276	514,839	352,049	160,840
12/31/2001	1,438,231	2,314,081	3,493,835	3,514,563	1,935,432	2,648,905	1,457,744	1,327,060	-812,434	204,516	484,612	461,772	544,045
12/31/2002	1,958,619	3,073,174	1,960,712	1,885,690	1,210,173	655,483	2,008,315	-738,576	404,281	551,537	375,601	305,901	217,130
12/31/2003	2,160,979	2,614,538	3,805,211	1,911,794	2,050,471	1,787,311	1,092,251	1,248,779	1,018,091	810,048	1,275,183	200,135	660,742
12/31/2004	1,036,671	2,493,129	2,269,495	2,114,212	2,036,624	1,340,584	1,017,836	1,195,398	1,043,768	684,132	913,948	254,187	44,303
12/31/2005	2,175,328	2,977,678	239,333	1,207,044	1,244,209	2,224,149	1,603,735	1,061,689	1,198,405	1,118,278	841,457	1,062,407	370,160
12/31/2006	1,997,685	3,065,895	2,734,749	1,900,607	2,100,146	1,092,598	2,195,754	3,107,017	593,532	789,902	101,683	200,390	
12/31/2007	1,986,358	2,196,895	3,370,371	2,745,148	2,190,677	1,424,430	2,290,513	1,160,229	1,836,329	1,181,585	717,173		
12/31/2008	2,972,186	3,956,812	3,655,743	3,174,475	2,481,330	1,287,265	1,135,706	710,670	796,594	305,988			
12/31/2009	5,390,717	6,302,092	3,328,307	3,097,581	3,839,067	980,028	1,552,249	1,539,806	643,736				
12/31/2010	3,142,918	5,109,755	5,409,568	3,444,910	1,978,869	1,589,834	450,966	557,612					
12/31/2011	2,293,074	3,745,857	3,597,654	2,435,010	2,004,106	1,300,156	1,224,831						
12/31/2012	4,338,748	4,608,404	6,527,442	2,141,706	2,518,730	4,056,813							
12/31/2013	3,329,666	3,222,500	3,517,672	2,428,940	1,862,516								
12/31/2014	2,584,639	3,184,129	2,680,546	1,941,992									
12/31/2015	2,794,778	3,395,267	2,515,159										
12/31/2016	5,915,180	6,290,252											
12/31/2017	2,223,259												

	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>
12/31/1999	0.0268	0.0811	0.0958	0.0627	0.0889	0.0509	0.0526	0.0470	0.0694	0.0177	0.0233	-0.0167	0.0053
12/31/2000	0.0386	0.0834	0.1325	0.0934	0.1120	0.0869	0.0321	0.0213	0.0288	0.0155	0.0182	0.0124	0.0057
12/31/2001	0.0460	0.0741	0.1118	0.1125	0.0619	0.0848	0.0466	0.0425	-0.0260	0.0065	0.0155	0.0148	0.0174
12/31/2002	0.0711	0.1115	0.0711	0.0684	0.0439	0.0238	0.0729	-0.0268	0.0147	0.0200	0.0136	0.0111	0.0079
12/31/2003	0.0763	0.0923	0.1343	0.0675	0.0724	0.0631	0.0385	0.0441	0.0359	0.0286	0.0450	0.0071	0.0233
12/31/2004	0.0489	0.1177	0.1071	0.0998	0.0962	0.0633	0.0481	0.0564	0.0493	0.0323	0.0431	0.0120	0.0021
12/31/2005	0.0928	0.1270	0.0102	0.0515	0.0531	0.0949	0.0684	0.0453	0.0511	0.0477	0.0359	0.0453	0.0158
12/31/2006	0.0683	0.1048	0.0934	0.0649	0.0718	0.0373	0.0750	0.1062	0.0203	0.0270	0.0035	0.0068	
12/31/2007	0.0565	0.0625	0.0959	0.0781	0.0623	0.0405	0.0652	0.0330	0.0523	0.0336	0.0204		
12/31/2008	0.0766	0.1020	0.0943	0.0818	0.0640	0.0332	0.0293	0.0183	0.0205	0.0079			
12/31/2009	0.1301	0.1521	0.0803	0.0748	0.0926	0.0237	0.0375	0.0372	0.0155				
12/31/2010	0.0828	0.1346	0.1425	0.0908	0.0521	0.0419	0.0119	0.0147					
12/31/2011	0.0661	0.1080	0.1038	0.0702	0.0578	0.0375	0.0353						
12/31/2012	0.1106	0.1175	0.1664	0.0546	0.0642	0.1034							
12/31/2013	0.0907	0.0878	0.0958	0.0662	0.0507								
12/31/2014	0.0700	0.0863	0.0726	0.0526									
12/31/2015	0.0882	0.1072	0.0794										
12/31/2016	0.1364	0.1451											
12/31/2017	0.0525												

Best 3/5	0.0830	0.1042	0.0930	0.0637	0.0581	0.0375	0.0340	0.0295	0.0306	0.0310	0.0332	0.0101	0.0137
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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>
12/31/1999	0.996	1.006	0.996	1.001	1.001	1.003	1.000 *
12/31/2000	0.997	1.012	1.000	0.999	1.000	1.000 *	1.000 *
12/31/2001	1.003	1.000	1.002	1.000	1.000 *	1.000 *	1.000 *
12/31/2002	1.008	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	1.008						
Best 3/5	1.004	1.003	1.001 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.008

	<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>
	0.621	0.538	0.434	0.341	0.278	0.220	0.182
<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>
	0.148	0.119	0.088	0.057	0.024	0.014	0.000

<u>A.Y.E</u>	<u>Reported ALAE</u> <u>as of 3/31/19</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>
12/31/2016	10,235,451	41,188,959	0.434	17,876,013	28,111,464	1.008	28,336,036
12/31/2017	5,241,533	40,156,636	0.538	21,604,285	26,845,818	1.008	27,060,311
12/31/2018	2,197,136	31,434,283	0.621	19,520,697	21,717,833	1.008	21,891,329

* Calculated Using Modified Bondy Method

Multistate Review of ULAE Experience
General Liability Including CMP Liability
Loss Adjustment Expense Special Call
Calendar Years 2014 - 2018

<u>Item *</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2014 - 2018 Mean</u>
1. Direct Losses Incurred	\$20,338,262	\$25,301,890	\$26,175,083	\$23,084,643	\$26,920,048	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$5,287,378	\$6,141,101	\$5,079,567	\$6,058,484	\$5,902,031	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$2,425,208	\$2,534,792	\$2,658,432	\$2,367,750	\$2,313,863	
4. Incurred Losses + ALAE [(1) + (2)]	\$25,625,640	\$31,442,991	\$31,254,650	\$29,143,127	\$32,822,079	
		<u>Incurred Percentage</u>				
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	9.5%	8.1%	8.5%	8.1%	7.0%	8.2%
6. Selected	8.5%					

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) 7/1/2016 to 7/1/2021 AYE 12/31/2016	+ 1.3%	
	b) 7/1/2017 to 7/1/2021 AYE 12/31/2017	+ 1.4%	
	c) 7/1/2018 to 7/1/2021 AYE 12/31/2018	+ 1.3%	
(2)	<u>OCCURRENCE SEVERITY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>
	a) Fitted		
	All Years	+ 4.6%	+ 4.4%
	Eight Years	+ 3.7%	+ 4.8%
	Six Years	+ 3.0%	+ 5.1%
	b) Selected	+ 3.0%	+ 6.0%
(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 12/31/2016, 12/31/2017 & 12/31/2018

(1)		(2)	(1)		(2)
YEAR ENDING		PRODUCTS	YEAR ENDING		PRODUCTS
<u>QUARTER*</u>		CLASS GROUP	<u>QUARTER*</u>		CLASS GROUP
		SALES EXPOSURE			SALES EXPOSURE
		<u>INDICES</u>			<u>INDICES</u>
2008	1	0.962	2015	1	1.024
	2	0.958		2	1.026
	3	0.956		3	1.028
	4	0.957		4	1.030
2009	1	0.961	2016	1	1.030
	2	0.966		2	1.031
	3	0.969		3	1.030
	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	1.048
	3	0.978		3	1.052
	4	0.982		4	1.056
2012	1	0.986	2019	1	1.059
	2	0.990		2	1.062
	3	0.995		3P	1.064
	4	1.000		4P	1.067
2013	1	1.004	2020	1P	1.071
	2	1.006		2P	1.074
	3	1.008		3P	1.076
	4	1.010		4P	1.079
2014	1	1.012	2021	1P	1.082
	2	1.016		2P	1.087
	3	1.019		3P	1.093
	4	1.022		4P	1.099

CHANGE IN EXPOSURES	PRODUCTS
7/1/2016 to 7/1/2021	(2021:4/2016:4) 1.067
7/1/2017 to 7/1/2021	(2021:4/2017:4) 1.057
7/1/2018 to 7/1/2021	(2021:4/2018:4) 1.041

AVERAGE ANNUAL TREND FACTOR	
7/1/2016 to 7/1/2021	(5.0 YRS) 1.013
7/1/2017 to 7/1/2021	(4.0 YRS) 1.014
7/1/2018 to 7/1/2021	(3.0 YRS) 1.013

* 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>
12/31/2009	\$28,565,779	1,159	\$24,647	\$26,075		
12/31/2010	29,467,318	1,090	27,034	27,269		
12/31/2011	25,948,972	992	26,158	28,517	\$29,597	
12/31/2012	31,873,679	918	34,721	29,822	30,696	
12/31/2013	22,372,670	757	29,554	31,187	31,836	\$32,409
12/31/2014	21,688,425	603	35,968	32,615	33,018	33,374
12/31/2015	20,197,679	565	35,748	34,108	34,244	34,368
12/31/2016	19,211,222	540	35,576	35,669	35,515	35,391
12/31/2017	18,912,072	502	37,673	37,302	36,834	36,445
12/31/2018	13,390,360	379	35,331	39,010	38,202	37,530
Goodness of Fit Statistic, R-Squared:				0.739	0.519	0.424
Average Annual Severity Trend (10 yr)				+ 4.6%		
Average Annual Severity Trend (8 yr)				+ 3.7%		
Average Annual Severity Trend (6 yr)				+ 3.0%		

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>
12/31/2009	\$57,034,846	1,411	\$40,422	\$35,339		
12/31/2010	48,625,042	1,492	32,591	36,881		
12/31/2011	42,230,492	1,247	33,866	38,490	\$37,858	
12/31/2012	53,993,780	1,161	46,506	40,170	39,682	
12/31/2013	43,501,646	1,056	41,195	41,923	41,594	\$40,951
12/31/2014	40,342,493	958	42,111	43,752	43,598	43,057
12/31/2015	37,267,761	882	42,254	45,661	45,699	45,271
12/31/2016	49,417,322	897	55,092	47,654	47,901	47,599
12/31/2017	39,238,271	805	48,743	49,733	50,210	50,047
12/31/2018	37,259,846	733	50,832	51,903	52,629	52,620

Goodness of Fit Statistic, R-Squared: 0.599 0.582 0.607

Average Annual Severity Trend (10 yr) + 4.4%

Average Annual Severity Trend (8 yr) + 4.8%

Average Annual Severity Trend (6 yr) + 5.1%

Selected Annual Severity Trend + 6.0%

* 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).

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 <u>Ultimate</u> ¹	(4) Occurrence Frequency <u>(3)/(2)</u> ²
12/31/2005	\$ 83,491,885	2,649	31.73
12/31/2006	82,060,342	2,702	32.93
12/31/2007	83,804,483	2,993	35.71
12/31/2008	89,261,632	2,887	32.34
12/31/2009	98,079,867	3,299	33.63
12/31/2010	103,715,205	3,361	32.41
12/31/2011	105,990,684	3,048	28.75
12/31/2012	107,859,086	2,884	26.74
12/31/2013	107,304,542	2,793	26.03
12/31/2014	107,809,725	2,473	22.94
12/31/2015	111,727,306	2,224	19.91
12/31/2016	113,953,385	2,095	18.38
12/31/2017	118,247,160	2,010	17.00
12/31/2018	119,863,952	1,951	16.28

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:

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

K = The number of classes within the class group.

\bar{P}_i = The 5 year total Mono / Multi 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:

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

\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 $\tilde{X}_{\text{monoline}}$ which is the column (5) total using column (1) as weights.

Note: \tilde{X} (X - tilde) is the 5 year Mono / Multi ALCCL weighted class group experience ratio, where

$\tilde{X}_{\text{monoline}}$ (X - tilde monoline) is weighted based on monoline/multiline ALCCL 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 1.001 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 * .942 * 1.000

CLASS	AYE 2018 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	306156	1111065	.92536	.1644	.944	1.047	.986	.021	.021	0.0	.021	.021
10141	470932	2159212	.84188	.2422	.922	1.022	.963	.024	.023	-4.2	.024	.023
12361	1881752	9659480	.86356	.5451	.902	1.000	.942	.082	.077	-6.1	.082	.077
12373	92941	687773	.73278	.1283	.920	1.020	.961	.025	.024	-4.0	.025	.024
13049	218217	1040155	1.30149	.1586	1.004	1.113	1.048	.054	.057	5.6	.054	.057
13111	36150	190726	.59825	.0817	.919	1.019	.960	.097	.093	-4.1	.097	.093
13112	1620094	7762805	.78649	.4939	.868	.962	.906	.069	.063	-8.7	.069	.063
13621	131893	1262520	.42455	.1767	.855	.948	.893	.360	.320	-11.1	.360	.320
13670	229038	1289863	1.99222	.1788	1.134	1.257	1.184	.013	.015	15.4	.013	.015
15223	921185	4548275	1.68246	.3748	1.223	1.356	1.277	.033	.041	24.2	.033	.041
15406	308594	1293542	1.46372	.1791	1.040	1.153	1.086	.044	.048	9.1	.044	.048
16604	614655	2968068	.95741	.2930	.950	1.053	.992	.147	.146	-0.7	.147	.146
51300	6740	35928	.00000	.0662	.885	.981	.924	.173	.160	-7.5	.173	.160
51305	488	43041	.13287	.0669	.893	.990	.933	1.030	.960	-6.8	1.030	.960
51315	789468	3808612	.96281	.3390	.953	1.057	.996	.106	.106	0.0	.106	.106
51350	185978	920336	.67701	.1486	.907	1.006	.948	.142	.135	-4.9	.142	.135
51351	24365	90838	.30397	.0718	.901	.999	.941	.045	.042	-6.7	.045	.042
51352	116409	474969	.57460	.1090	.907	1.006	.948	.114	.108	-5.3	.114	.108
51355	155037	833906	.90492	.1412	.942	1.044	.983	.096	.094	-2.1	.096	.094
51356	87707	290815	.03097	.0915	.864	.958	.902	.690	.620	-10.1	.690	.620
51357	3485	15681	6.66864	.0641	1.314	1.457	1.372	.530	.660	24.5	.530	.660
51358	19910	71592	.37420	.0698	.908	1.007	.949	.149	.141	-5.4	.149	.141
51359	95596	283695	.29166	.0908	.888	.984	.927	.840	.780	-7.1	.840	.780
51752	613978	3011314	1.09820	.2955	.992	1.100	1.036	.159	.165	3.8	.159	.165
52002	1298303	6645564	1.16569	.4580	1.047	1.161	1.094	.118	.129	9.3	.118	.129
53001	977109	5445556	.94025	.4133	.945	1.048	.987	.330	.330	0.0	.330	.330
53374	5883044	26908599	.73819	.7630	.788	.874	.823	.380	.310	-18.4	.380	.310
53375	1778485	9051461	.77300	.5298	.855	.948	.893	.250	.223	-10.8	.250	.223
53376	416486	1951271	1.14739	.2279	.993	1.101	1.037	.187	.194	3.7	.187	.194
53377	2130376	10248713	.83187	.5589	.883	.979	.922	.211	.195	-7.6	.211	.195
53565	211770	832438	.11386	.1410	.830	.920	.867	.124	.108	-12.9	.124	.108
55371	14588	83605	.00000	.0710	.880	.976	.919	.130	.119	-8.5	.130	.119
56488	65138	215555	.96785	.0842	.949	1.052	.991	.034	.034	0.0	.034	.034
56758	112975	458859	.63105	.1075	.913	1.012	.953	.155	.148	-4.5	.155	.148
56759	848416	3480501	.57039	.3217	.826	.916	.863	.093	.080	-14.0	.093	.080
56760	1530880	7124840	.81444	.4740	.884	.980	.923	.106	.098	-7.5	.106	.098
57002	193613	840602	.78317	.1417	.924	1.024	.965	.110	.106	-3.6	.110	.106

X-TILDE: .898 X-TILDE (MONOLINE): .902 PI-TILDE: .0038385
 TAU SQUARED: .03000 SIGMA SQUARED: 273180.77234

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 * .942 * 1.000

CLASS	AYE 2018 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	140753	728840	.74736	.1320	.921	1.021	.962	.043	.041	-4.7	.043	.041
57913	594422	2567286	.72143	.2687	.887	.983	.926	.310	.290	-6.5	.310	.290
59537	210333	862698	2.95502	.1436	1.236	1.370	1.291	.168	.210	25.0	.168	.210 U
59647	45216	224265	.70249	.0850	.927	1.028	.968	.176	.170	-3.4	.176	.170
59904	6549	37542	.00000	.0663	.885	.981	.924	.066	.061	-7.6	.066	.061
59905	137598	570781	1.17306	.1178	.974	1.080	1.017	.130	.132	1.5	.130	.132
59925	1250	5251	2.51362	.0630	1.046	1.160	1.093	1.090	1.190	9.2	1.090	1.190
59926	260506	1148304	1.35239	.1675	1.015	1.125	1.060	.420	.450	7.1	.420	.450
59927	168553	429683	.22217	.1047	.872	.967	.911	1.560	1.420	-9.0	1.560	1.420
59963	50513	155335	.05700	.0782	.878	.973	.917	.450	.410	-8.9	.450	.410
59964	169588	850337	1.93491	.1426	1.088	1.206	1.136	.061	.069	13.1	.061	.069

X-TILDE: .898 X-TILDE (MONOLINE): .902 PI-TILDE: .0038385
 TAU SQUARED: .03000 SIGMA SQUARED: 273180.77234

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

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 04

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.044 * 1.000

CLASS	AYE 2018 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	129803	644093	1.23203	.1273	1.094	1.013	1.058	.184	.195	6.0	.184	.195
10040	742489	4043356	1.18404	.3224	1.109	1.027	1.072	.280	.300	7.1	.280	.300
10070	1611598	8963972	1.19639	.4880	1.133	1.049	1.095	.141	.154	9.2	.141	.154
10101	329349	1687342	1.34162	.1981	1.127	1.044	1.090	.166	.181	9.0	.166	.181
10111	184837	842580	.38108	.1417	.975	.903	.943	.083	.078	-6.0	.083	.078
10255	2341872	10785181	1.23909	.5305	1.161	1.075	1.122	.131	.147	12.2	.131	.147
10256	11008	55413	.99045	.0815	1.067	.988	1.031	.147	.152	3.4	.147	.152
10257	3033512	12895158	1.02241	.5717	1.044	.967	1.010	.167	.169	1.2	.167	.169
11126	144902	715703	1.42449	.1325	1.120	1.037	1.083	.020	.022	10.0	.020	.022
11203	8874	36762	.00000	.0800	.988	.915	.955	.540	.520	-3.7	.540	.520
11248	9911	50307	.00000	.0811	.986	.913	.953	.019	.018	-5.3	.019	.018
12391	1597669	7534975	.74912	.4489	.928	.859	.897	.091	.082	-9.9	.091	.082
12509	43795	209831	.04034	.0940	.976	.904	.944	.038	.036	-5.3	.038	.036
12651	579219	2767112	1.25361	.2603	1.120	1.037	1.083	.490	.530	8.2	.490	.530
12707	294500	1017929	.70205	.1541	1.016	.941	.982	.650	.640	-1.5	.650	.640
12797	1016214	4684545	1.43674	.3498	1.201	1.112	1.161	.169	.196	16.0	.169	.196
13201	32046	103961	.12846	.0854	.993	.919	.959	.167	.160	-4.2	.167	.160
13204	1134469	6535576	1.06460	.4178	1.070	.991	1.035	1.400	1.450	3.6	1.400	1.450
13205	305694	1463843	1.19784	.1839	1.096	1.015	1.060	.430	.460	7.0	.430	.460
13314	119	482	.00000	.0770	.991	.918	.958	.017	.016	-5.9	.017	.016
13410	2862718	14790089	1.39678	.6030	1.268	1.174	1.226	2.440	2.990	22.5	2.440	2.990
13412	586455	3501588	1.38543	.2973	1.166	1.080	1.128	1.010	1.140	12.9	1.010	1.140
13590	3911061	17277202	1.00651	.6377	1.031	.955	.997	.740	.740	0.0	.740	.740
13715	1711513	8536428	1.15083	.4769	1.110	1.028	1.073	.154	.165	7.1	.154	.165
13930	1120922	4936834	.82400	.3600	.984	.911	.951	.211	.201	-4.7	.211	.201
14068	6739	39460	.00000	.0802	.987	.914	.954	.015	.014	-6.7	.015	.014
14527	342227	1644340	1.10932	.1954	1.080	1.000	1.044	.181	.189	4.4	.181	.189
14855	15400	120453	.05639	.0868	.985	.912	.952	.162	.154	-4.9	.162	.154
16005	356543	1752474	.95351	.2022	1.049	.971	1.014	.034	.034	0.0	.034	.034
16009	33022	156321	2.86933	.0897	1.235	1.144	1.194	.079	.094	19.0	.079	.094
16527	4913152	22173136	.98667	.6909	1.013	.938	.979	.360	.350	-2.8	.360	.350
16705	234200	875965	.59749	.1441	1.005	.931	.972	.152	.148	-2.6	.152	.148
16750	436085	1821197	1.00629	.2064	1.060	.981	1.024	.031	.032	3.2	.031	.032
18205	409843	2023613	1.50814	.2186	1.168	1.081	1.129	.310	.350	12.9	.310	.350
18616	2640988	11002187	1.18986	.5351	1.136	1.052	1.098	.540	.590	9.3	.540	.590
18707	11908	56794	4.84250	.0816	1.381	1.279	1.335	.003	.004	33.3	.003	.004
45771	152655	638426	.19541	.1269	.962	.891	.930	.176	.164	-6.8	.176	.164

X-TILDE: 1.094 X-TILDE (MONOLINE): 1.080 PI-TILDE: .0048100
 TAU SQUARED: .03000 SIGMA SQUARED: 334909.49915

L - CAPPED DOWN
 U - CAPPED UP
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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 * 1.044 * 1.000

CLASS	AYE 2018 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	321294	1748523	1.14006	.2019	1.087	1.006	1.050	.047	.049	4.3	.047	.049
53907	1630456	6831241	.80957	.4273	.961	.890	.929	.111	.103	-7.2	.111	.103

X-TILDE: 1.094 X-TILDE (MONOLINE): 1.080 PI-TILDE: .0048100

TAU SQUARED: .03000 SIGMA SQUARED: 334909.49915

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 * 1.013 * 1.000

CLASS	AYE 2018 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	2201	7084	.36674	.1510	.937	.877	.888	.050	.044	-12.0	.050	.044
51575	175662	989822	1.15409	.2687	1.069	1.001	1.014	.020	.020	0.0	.020	.020
51576	186213	755247	2.54079	.2437	1.404	1.315	1.332	.075	.093	24.0	.075	.093 U
51613	68459	403672	1.15534	.2028	1.062	.994	1.007	.138	.139	0.7	.138	.139
51666	43426	223395	1.03486	.1800	1.037	.971	.984	.103	.101	-1.9	.103	.101
51767	1146	6452	.00000	.1509	.881	.825	.836	.009	.008	-11.1	.009	.008
51833	2645	7923	.00000	.1511	.881	.825	.836	.072	.060	-16.7	.072	.060
51869	135945	579644	.97474	.2238	1.024	.959	.971	.140	.136	-2.9	.140	.136
51889	878	4569	.00000	.1506	.882	.826	.837	.014	.012	-14.3	.014	.012
51941	1593933	7800887	1.15004	.6271	1.108	1.037	1.050	.039	.041	5.1	.039	.041
52469	2669525	11999188	.99444	.7136	1.007	.943	.955	.109	.104	-4.6	.109	.104
55647	357888	1666778	1.42499	.3325	1.167	1.093	1.107	.056	.062	10.7	.056	.062
55802	21960	104274	1.32333	.1643	1.085	1.016	1.029	.009	.009	0.0	.009	.009
56040	655	3397	.00000	.1505	.882	.826	.837	.040	.033	-17.5	.040	.033
57257	30650	123442	.94573	.1669	1.023	.958	.970	.036	.035	-2.8	.036	.035
57410	22477	110804	2.86057	.1652	1.339	1.254	1.270	.130	.162	24.6	.130	.162 U
58503	28809	106947	2.80489	.1647	1.329	1.244	1.260	.061	.076	24.6	.061	.076 U
58627	1837	10682	.00000	.1515	.881	.825	.836	.016	.013	-18.8	.016	.013
59257	179	2034	.00000	.1503	.882	.826	.837	.015	.013	-13.3	.015	.013
59923	393	12881	.00000	.1518	.880	.824	.835	.005	.004	-20.0	.005	.004

X-TILDE: 1.144 X-TILDE (MONOLINE): 1.068 PI-TILDE: .0066889
 TAU SQUARED: .03000 SIGMA SQUARED: 182943.56666

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

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .996 * 1.000

CLASS	AYE 2018 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	6663	40088	.03911	.0324	1.010	.985	.981	.038	.037	-2.6	.038	.037
51001	4483	6936	.00000	.0272	1.014	.989	.985	.460	.450	-2.2	.460	.450
51116	631631	2987528	1.61692	.3449	1.240	1.210	1.205	.570	.690	21.1	.570	.690
51240	60289	252885	1.11128	.0646	1.047	1.021	1.017	.182	.185	1.6	.182	.185
51241	398561	1890233	.49436	.2554	.902	.880	.876	.300	.260	-13.3	.300	.260
51330	159165	745756	5.70138	.1316	1.655	1.615	1.609	.430	.530	23.3	.430	.530
51370	188610	485122	.00000	.0974	.941	.918	.914	5.000	4.570	-8.6	5.000	4.570
51500	322150	1583578	1.42369	.2258	1.128	1.100	1.096	.109	.119	9.2	.109	.119
51550	14084	60235	3.33844	.0356	1.124	1.097	1.093	.360	.390	8.3	.360	.390
51551	2445	47958	.29987	.0336	1.017	.992	.988	.920	.910	-1.1	.920	.910
51552	2585	21460	.53015	.0295	1.027	1.002	.998	.159	.159	0.0	.159	.159
51600	136764	648012	.60877	.1191	.991	.967	.963	.198	.191	-3.5	.198	.191
51734	25104	53542	.94167	.0345	1.039	1.014	1.010	.310	.310	0.0	.310	.310
51741	128078	670814	1.33913	.1220	1.078	1.052	1.048	.250	.260	4.0	.250	.260
51777	130678	641491	1.10594	.1182	1.050	1.024	1.020	.076	.078	2.6	.076	.078
51808	140245	710467	.90283	.1271	1.025	1.000	.996	.730	.730	0.0	.730	.730
51809	52120	115157	.00000	.0440	.996	.972	.968	.158	.153	-3.2	.158	.153
51877	98271	383929	.44984	.0834	.993	.969	.965	.220	.212	-3.6	.220	.212
51896	688935	3441683	.74265	.3760	.930	.907	.903	.020	.018	-10.0	.020	.018
51900	12030	56422	1.19533	.0350	1.048	1.022	1.018	.093	.095	2.2	.093	.095
51909	0	759	.00000	.0262	1.015	.990	.986	.057	.056	-1.8	.057	.056
51926	242825	1237425	.70721	.1895	.979	.955	.951	.040	.038	-5.0	.040	.038
51927	331655	1741014	1.57827	.2413	1.172	1.143	1.138	.115	.131	13.9	.115	.131
51934	169043	764549	.01838	.1340	.905	.883	.879	.142	.125	-12.0	.142	.125
51956	1633547	7764567	.83444	.5700	.924	.901	.897	.246	.221	-10.2	.246	.221
51957	1197338	6083901	1.13548	.5109	1.090	1.063	1.059	.400	.420	5.0	.400	.420
51960	4183	33896	.00000	.0314	1.010	.985	.981	.360	.350	-2.8	.360	.350
51982	8268	56927	.00000	.0350	1.006	.981	.977	.085	.083	-2.4	.085	.083
51986	38465	249898	.20058	.0642	.988	.964	.960	.107	.103	-3.7	.107	.103
51999	135849	722703	.66516	.1287	.994	.970	.966	.460	.440	-4.3	.460	.440
52075	47273	225850	.33691	.0607	.999	.975	.971	.250	.243	-2.8	.250	.243
52134	2335007	11333471	.85571	.6579	.920	.898	.894	.700	.630	-10.0	.700	.630
52315	434286	2071142	1.38224	.2718	1.135	1.107	1.103	.240	.260	8.3	.240	.260
52505	55795	240014	1.88247	.0627	1.095	1.068	1.064	.203	.216	6.4	.203	.216
52547	233537	1205580	.32449	.1860	.909	.887	.883	.088	.078	-11.4	.088	.078
52911	958327	4559605	.68681	.4412	.885	.863	.860	.520	.450	-13.5	.520	.450
52967	29487	130562	.06542	.0464	.997	.973	.969	.064	.062	-3.1	.064	.062

X-TILDE: 1.026 X-TILDE (MONOLINE): 1.025 PI-TILDE: .0016697
 TAU SQUARED: .05482 SIGMA SQUARED: 336466.91420

L - CAPPED DOWN

U - CAPPED UP

N - NOT SUBJECT TO CAPPING

E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .996 * 1.000

CLASS	AYE 2018 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	87258	248469	.11687	.0640	.983	.959	.955	.460	.440	-4.3	.460	.440
53333	57838	299221	2.59564	.0714	1.153	1.125	1.120	.213	.239	12.2	.213	.239
53631	383	1379	.00000	.0263	1.015	.990	.986	.022	.022	0.0	.022	.022
53632	518	6093	.00000	.0271	1.014	.989	.985	.035	.034	-2.9	.035	.034
53732	1319467	6635174	.99183	.5320	1.015	.990	.986	.460	.450	-2.2	.460	.450
53733	4793737	19427350	1.06817	.7662	1.062	1.036	1.032	.260	.270	3.8	.260	.270
54077	687079	3279799	1.23565	.3653	1.113	1.086	1.082	.370	.400	8.1	.370	.400
55010	82064	435324	.68484	.0906	1.010	.985	.981	1.100	1.080	-1.8	1.100	1.080
55011	298257	1514717	2.68411	.2189	1.402	1.368	1.363	1.260	1.570	24.6	1.260	1.570
55012	71692	215705	1.02138	.0592	1.041	1.016	1.012	1.170	1.180	0.9	1.170	1.180
55013	375449	1518864	1.68836	.2193	1.184	1.155	1.150	.990	1.140	15.2	.990	1.140
55214	1009	5164	.00000	.0269	1.014	.989	.985	.089	.088	-1.1	.089	.088
55715	53324	173618	.00000	.0529	.987	.963	.959	.234	.224	-4.3	.234	.224
55716	27033	149769	.79450	.0493	1.030	1.005	1.001	.520	.520	0.0	.520	.520
56202	110865	1238910	.38459	.1897	.918	.896	.892	.100	.089	-11.0	.100	.089
56390	403356	1046610	1.00915	.1680	1.037	1.012	1.008	.630	.640	1.6	.630	.640
56391	683816	3900760	1.01966	.4045	1.033	1.008	1.004	.320	.320	0.0	.320	.320
56427	14982	79686	.65009	.0386	1.027	1.002	.998	.125	.125	0.0	.125	.125
56690	3673	12222	.00000	.0280	1.013	.988	.984	.360	.350	-2.8	.360	.350
56699	231345	837912	1.75053	.1431	1.144	1.116	1.112	.051	.057	11.8	.051	.057
56916	685470	3047907	1.28192	.3492	1.126	1.099	1.095	.187	.205	9.6	.187	.205
57090	101480	541374	1.36971	.1050	1.077	1.051	1.047	.630	.660	4.8	.630	.660
57401	9168	40307	.00000	.0324	1.008	.983	.979	.098	.096	-2.0	.098	.096
57403	585	3306	.00000	.0266	1.015	.990	.986	.036	.035	-2.8	.036	.035
57572	92065	345100	2.91906	.0779	1.188	1.159	1.154	.094	.108	14.9	.094	.108
57600	49324	206783	1.23641	.0578	1.053	1.027	1.023	.033	.034	3.0	.033	.034
57611	74170	241609	.43741	.0630	1.004	.980	.976	.064	.062	-3.1	.064	.062
57690	271160	1194145	.71597	.1847	.982	.958	.954	.510	.490	-3.9	.510	.490
57716	224806	1223662	.68365	.1880	.975	.951	.947	.087	.082	-5.7	.087	.082
57725	935181	3762730	.92298	.3962	.995	.971	.967	.091	.088	-3.3	.091	.088
57726	59619	263802	2.49240	.0662	1.138	1.110	1.106	.019	.021	10.5	.019	.021
57810	5491	22947	.00000	.0297	1.011	.986	.982	.109	.107	-1.8	.109	.107
57871	89627	261746	1.13335	.0659	1.048	1.022	1.018	.116	.118	1.7	.116	.118
57998	26769	128537	.19009	.0461	1.003	.979	.975	.059	.058	-1.7	.059	.058
57999	5172	30645	.85140	.0309	1.036	1.011	1.007	.071	.071	0.0	.071	.071
58095	1525188	7274265	1.18509	.5543	1.121	1.094	1.090	1.830	1.990	8.7	1.830	1.990
58096	1062759	6138089	1.37607	.5131	1.214	1.184	1.179	1.040	1.230	18.3	1.040	1.230

X-TILDE: 1.026 X-TILDE (MONOLINE): 1.025 PI-TILDE: .0016697
 TAU SQUARED: .05482 SIGMA SQUARED: 336466.91420

L - CAPPED DOWN
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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 * .996 * 1.000

CLASS	AYE 2018 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	77103	247755	2.09027	.0639	1.109	1.082	1.078	.082	.088	7.3	.082	.088
58302	44551	232484	.76868	.0616	1.025	1.000	.996	.055	.055	0.0	.055	.055
58397	1440834	5633085	.78100	.4922	.914	.892	.888	.830	.740	-10.8	.830	.740
58575	26172	92765	.00000	.0406	1.000	.976	.972	.123	.120	-2.4	.123	.120
58663	1463116	6273340	.55383	.5184	.789	.770	.767	1.590	1.280	-19.5	1.590	1.280
58802	28363	182262	2.20058	.0542	1.105	1.078	1.074	.450	.480	6.7	.450	.480
58837	7600	41749	.00000	.0327	1.008	.983	.979	.165	.162	-1.8	.165	.162
58840	3886	13420	5.80112	.0282	1.176	1.147	1.142	.111	.127	14.4	.111	.127
58873	237631	1009427	.93769	.1636	1.025	1.000	.996	.030	.030	0.0	.030	.030
58904	11786	57446	.00000	.0351	1.006	.981	.977	.131	.128	-2.3	.131	.128
58922	1192474	5490688	.80316	.4860	.926	.903	.899	.187	.168	-10.2	.187	.168
59005	171273	854165	.91947	.1451	1.024	.999	.995	.096	.096	0.0	.096	.096
59188	321	972	.00000	.0262	1.015	.990	.986	.056	.055	-1.8	.056	.055
59189	4360	15413	.00000	.0285	1.013	.988	.984	.300	.300	0.0	.300	.300
59223	120370	601825	2.27852	.1131	1.182	1.153	1.148	.077	.088	14.3	.077	.088
59378	0	52	.00000	.0261	1.015	.990	.986	.152	.150	-1.3	.152	.150
59481	83569	354019	2.54948	.0792	1.162	1.134	1.129	.088	.099	12.5	.088	.099
59701	3659	53399	6.47937	.0345	1.230	1.200	1.195	.244	.290	18.9	.244	.290
59713	326896	1504045	.76038	.2178	.981	.957	.953	.330	.310	-6.1	.330	.310
59722	58084	277751	.46562	.0683	1.003	.979	.975	.032	.031	-3.1	.032	.031
59723	13603	98150	.00000	.0414	.999	.975	.971	.038	.037	-2.6	.038	.037
59726	96958	688208	1.08508	.1243	1.048	1.022	1.018	.024	.024	0.0	.024	.024
59738	9774	58404	.00000	.0353	1.005	.980	.976	.066	.064	-3.0	.066	.064
59773	1	232	.00000	.0261	1.015	.990	.986	.028	.028	0.0	.028	.028
59774	903	1719	.00000	.0264	1.015	.990	.986	.152	.150	-1.3	.152	.150
59775	0	0	.00000	.0000	.000	.000	.000	.189	.188	-0.5	.189	.188
59798	686293	3182185	1.22730	.3586	1.109	1.082	1.078	.460	.500	8.7	.460	.500
59886	19174	116421	.00000	.0442	.996	.972	.968	.112	.108	-3.6	.112	.108
59889	11249	77718	2.83138	.0383	1.111	1.084	1.080	.153	.165	7.8	.153	.165
59914	754179	3575524	1.25843	.3846	1.125	1.098	1.094	.620	.680	9.7	.620	.680
59915	166847	580536	.60667	.1102	.994	.970	.966	.780	.750	-3.8	.780	.750
59917	65053	345965	4.03154	.0781	1.276	1.245	1.240	.165	.205	24.2	.165	.205
59931	157624	727687	.39466	.1293	.959	.936	.932	.590	.550	-6.8	.590	.550
59932	55156	269839	.00000	.0671	.972	.948	.944	.930	.880	-5.4	.930	.880
59947	14211	100306	.00000	.0417	.999	.975	.971	.330	.320	-3.0	.330	.320
59955	16698	92312	.00000	.0405	1.000	.976	.972	.147	.143	-2.7	.147	.143
59970	19173	100498	.87050	.0418	1.035	1.010	1.006	.182	.183	0.5	.182	.183

X-TILDE: 1.026 X-TILDE (MONOLINE): 1.025 PI-TILDE: .0016697
TAU SQUARED: .05482 SIGMA SQUARED: 336466.91420

L - CAPPED DOWN
U - CAPPED UP
N - NOT SUBJECT TO CAPPING
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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .996 * 1.000

CLASS	AYE 2018 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	688472	3064097	.81139	.3504	.961	.938	.934	.243	.227	-6.6	.243	.227
59984	26363	123926	.00000	.0454	.995	.971	.967	.055	.053	-3.6	.055	.053
59988	606	5353	.00000	.0269	1.014	.989	.985	.060	.059	-1.7	.060	.059
59989	0	7	.00000	.0261	1.015	.990	.986	.045	.044	-2.2	.045	.044

X-TILDE: 1.026 X-TILDE (MONOLINE): 1.025 PI-TILDE: .0016697
 TAU SQUARED: .05482 SIGMA SQUARED: 336466.91420

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

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 07

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.003 * 1.000

CLASS	AYE 2018 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	68346	412471	.68425	.1332	.901	.916	.919	.650	.600	-7.7	.650	.600
50010	42105	213949	.04838	.1160	.831	.845	.848	.580	.490	-15.5	.580	.490
51205	3266	8167	.00000	.0975	.843	.857	.860	.083	.071	-14.5	.083	.071
51206	4568	29611	.00000	.0995	.841	.855	.858	.450	.390	-13.3	.450	.390
51220	107472	451136	.44385	.1365	.867	.881	.884	2.580	2.280	-11.6	2.580	2.280
51221	616280	2662714	.80705	.2895	.897	.912	.915	1.940	1.780	-8.2	1.940	1.780
51222	106289	971222	2.16583	.1781	1.153	1.172	1.176	3.120	3.670	17.6	3.120	3.670
51224	680612	3312985	1.34645	.3247	1.068	1.085	1.088	1.330	1.450	9.0	1.330	1.450
51230	0	0	.00000	.0000	.000	.000	.000	.790	.790	0.0	.790	.790
51252	1933540	8579189	1.01074	.5180	.974	.990	.993	.101	.100	-1.0	.101	.100
51254	6288	18336	.00000	.0985	.842	.856	.859	.045	.039	-13.3	.045	.039
51333	177428	409127	1.88783	.1329	1.061	1.078	1.081	.310	.340	9.7	.310	.340
51958	282950	1375872	1.38392	.2078	1.027	1.044	1.047	.390	.410	5.1	.390	.410
51970	779460	3633163	.93386	.3407	.934	.949	.952	.250	.238	-4.8	.250	.238
52433	147816	400368	.17212	.1322	.833	.847	.850	1.200	1.020	-15.0	1.200	1.020
52581	34747	1209284	.11380	.1958	.773	.786	.788	3.680	2.950	-19.8	3.680	2.950
52744	10165	11526	.00000	.0978	.843	.857	.860	.094	.081	-13.8	.094	.081
53077	134389	640514	1.55702	.1521	1.029	1.046	1.049	.197	.207	5.1	.197	.207
55597	0	0	.00000	.0000	.000	.000	.000	1.780	1.790	0.6	1.780	1.790
55918	108	7338	.00000	.0974	.843	.857	.860	3.190	2.740	-14.1	3.190	2.740
55919	0	0	.00000	.0000	.000	.000	.000	3.640	3.650	0.3	3.640	3.650
56912	877737	4076544	1.27343	.3618	1.057	1.074	1.077	.084	.090	7.1	.084	.090
57146	392492	1595496	1.44372	.2230	1.048	1.065	1.068	.670	.720	7.5	.670	.720
58737	30405	140966	.00000	.1096	.832	.846	.849	.740	.630	-14.9	.740	.630
59601	177159	490034	1.44222	.1397	1.005	1.021	1.024	2.310	2.370	2.6	2.310	2.370
59660	488381	2466144	1.23156	.2781	1.017	1.034	1.037	1.140	1.180	3.5	1.140	1.180
59724	37681	121778	.00831	.1078	.834	.848	.851	.022	.019	-13.6	.022	.019
59725	426137	2153255	1.56260	.2592	1.097	1.115	1.118	.104	.116	11.5	.104	.116
59750	7845	38547	.68802	.1003	.909	.924	.927	.240	.222	-7.5	.240	.222
59781	491766	2486418	.71799	.2793	.874	.888	.891	.076	.068	-10.5	.076	.068
59782	391006	1658601	.86861	.2273	.919	.934	.937	.490	.460	-6.1	.490	.460

X-TILDE: 1.089 X-TILDE (MONOLINE): .984 PI-TILDE: .0058740
TAU SQUARED: .03000 SIGMA SQUARED: 294539.44808

L - CAPPED DOWN
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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	12/31/2016	\$79,728,640	1.000	1.128		\$89,933,906
	12/31/2017	86,199,771	1.000	1.098		94,647,349
	12/31/2018	91,515,149	1.022	1.062		99,327,248
MULTILINE	12/31/2016	\$175,132,791	1.000	1.130	0.986	\$195,129,453
	12/31/2017	186,638,893	1.000	1.099	0.989	202,859,866
	12/31/2018	191,459,955	1.022	1.062	0.991	205,933,509
TOTAL	12/31/2016					\$285,063,359
	12/31/2017					297,507,215
	12/31/2018					305,260,757

+ 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 7/1/2020 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*	BASIC LIMIT DEVELOPMENT X FACTOR#	UNALLOCATED LOSS ADJ. X FACTOR	SEVERITY X TREND	FREQUENCY X TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2016	\$21,199,760	1.072	1.085	1.217	0.975		\$29,251,589
		12/31/2017	15,975,410	1.455	1.085	1.170	0.980		28,922,462
		12/31/2018	10,385,050	2.714	1.085	1.125	0.985		33,883,437
BI	ALAE	12/31/2016	\$18,549,665		1.085	1.217	0.975		\$23,881,467
		12/31/2017	22,665,168		1.085	1.170	0.980		28,196,852
		12/31/2018	26,257,253		1.085	1.125	0.985		31,569,506
PD	B/L INDEMNITY	12/31/2016	\$63,624,298	1.328	1.085	1.246	0.975		\$111,343,255
		12/31/2017	59,117,671	1.497	1.085	1.193	0.980		112,291,464
		12/31/2018	53,232,022	1.728	1.085	1.141	0.985		112,179,861
PD	ALAE	12/31/2016	\$70,077,018		1.085	1.246	0.975		\$92,369,376
		12/31/2017	69,156,913		1.085	1.193	0.980		87,726,713
		12/31/2018	75,580,762		1.085	1.141	0.985		92,164,332
TOTAL									
	FULL COVERAGE	12/31/2016							\$256,845,686
		12/31/2017							257,137,491
		12/31/2018							269,797,135

* 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	12/31/2016	\$3,683,706		1.282		1.085		1.217		0.975		\$6,077,763
		12/31/2017	2,832,806		1.494		1.085		1.170		0.980		5,264,394
		12/31/2018	1,215,820		2.394		1.085		1.125		0.985		3,498,862
BI	ALAE	12/31/2016	\$4,548,501				1.085		1.217		0.975		\$5,855,894
		12/31/2017	4,757,503				1.085		1.170		0.980		5,918,624
		12/31/2018	3,499,316				1.085		1.125		0.985		4,207,282
PD	B/L INDEMNITY	12/31/2016	\$18,540,702		1.402		1.085		1.246		0.975		\$34,268,408
		12/31/2017	15,115,878		1.523		1.085		1.193		0.980		29,195,459
		12/31/2018	13,579,471		1.808		1.085		1.141		0.985		29,946,729
PD	ALAE	12/31/2016	\$26,360,846				1.085		1.246		0.975		\$34,746,554
		12/31/2017	20,154,871				1.085		1.193		0.980		25,566,794
		12/31/2018	20,271,246				1.085		1.141		0.985		24,719,066
	TOTAL DED COVERAGE	12/31/2016											\$80,948,619
		12/31/2017											65,945,272
		12/31/2018											62,371,939
	TOTAL OCCURRENCE	12/31/2016											\$337,794,306
		12/31/2017											323,082,763
		12/31/2018											332,169,074

* 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	1.022	1.043	0.8836	1.041	5,000,000
27 to 39 Months	1.000	1.000	0.7051	1.000	15,000,000
Accident Year Ending	Exposure Development From				
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		<u>Factor</u>
12/31/2016			1.000		1.000
12/31/2017		1.000	1.000		1.000
12/31/2018	1.041	1.000	1.000		1.041

(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>
12/31/2011	6,840,306	6,921,621	6,923,322	6,928,680	6,928,679	6,928,647	6,928,647	6,928,647
12/31/2012	7,231,681	7,412,431	7,438,972	7,429,440	7,429,151	7,429,151	7,429,151	
12/31/2013	8,327,278	8,523,385	8,503,085	8,502,819	8,502,787	8,502,787		
12/31/2014	9,848,112	10,303,639	10,268,998	10,265,090	10,264,628			
12/31/2015	11,644,328	12,084,458	12,096,792	12,095,305				
12/31/2016	12,861,809	13,469,121	13,482,143					
12/31/2017	13,464,573	14,076,616						
12/31/2018	14,028,201							

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>
12/31/2011	1.012	1.000	1.001	1.000	1.000	1.000	1.000
12/31/2012	1.025	1.004	0.999	1.000	1.000	1.000	
12/31/2013	1.024	0.998	1.000	1.000	1.000		
12/31/2014	1.046	0.997	1.000	1.000			
12/31/2015	1.038	1.001	1.000				
12/31/2016	1.047	1.001					
12/31/2017	1.045						
12/31/2018							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.043	1.000

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>
12/31/2011	402,939,396	411,400,813	411,106,492	411,069,882	411,039,584	411,052,309	411,052,224	411,052,914
12/31/2012	440,752,735	450,346,818	450,323,727	450,018,512	450,048,049	450,046,154	450,027,591	
12/31/2013	498,518,668	509,510,229	508,843,480	508,797,707	508,829,793	508,799,691		
12/31/2014	550,938,805	564,476,906	564,049,349	564,153,593	564,138,889			
12/31/2015	584,590,720	597,187,349	596,932,950	596,982,581				
12/31/2016	610,932,211	624,043,373	624,287,580					
12/31/2017	631,529,680	641,677,183						
12/31/2018	649,512,149							

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>
12/31/2011	1.021	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2012	1.022	1.000	0.999	1.000	1.000	1.000	
12/31/2013	1.022	0.999	1.000	1.000	1.000		
12/31/2014	1.025	0.999	1.000	1.000			
12/31/2015	1.022	1.000	1.000				
12/31/2016	1.021	1.000					
12/31/2017	1.016						
12/31/2018							

Average Best 3 of 5

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

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	1.960	2.441	0.3865	2.146	360,000
27 to 39 Months	1.486	0.670	0.5921	1.003	380,000
39 to 51 Months	1.091	0.883	0.4926	0.989	410,000
51 to 63 Months	1.009	1.634	0.4744	1.306	430,000
63 to 75 Months	1.002	1.087	0.4147	1.037	470,000
75 to 87 Months	0.983	1.000	0.4183	0.990	500,000
87 to 99 Months	0.990	0.925	0.4946	0.958	540,000
99 to 111 Months	0.997	1.000	0.5360	0.999	570,000
111 to 123 Months	0.992	1.000	0.4407	0.996	610,000
123 to 135 Months	1.001	1.000	0.3140	1.001	660,000
135 to 147 Months	1.002	1.000	0.4223	1.001	710,000
147 to 159 Months	1.001	1.000	0.4434	1.001	760,000
159 to 171 Months	1.001	1.000	0.4633	1.001	820,000
171 to 183 Months	1.002	1.000	0.3355	1.001	880,000
183 to 195 Months	1.000	1.000	0.2893	1.000	950,000
195 to 207 Months	1.000	1.000	0.1927	1.000	1,000,000
207 to 219 Months	1.000	1.000	0.1769	1.000	1,100,000
219 to 231 Months	1.000	1.000	0.1277	1.000	1,200,000
231 to 243 Months	1.000	1.000	0.1016	1.000	1,300,000
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							
12/31/2016			0.989	1.306	1.037	0.990	0.958	0.999	0.996	1.001	1.001
12/31/2017		1.003	0.989	1.306	1.037	0.990	0.958	0.999	0.996	1.001	1.001
12/31/2018	2.146	1.003	0.989	1.306	1.037	0.990	0.958	0.999	0.996	1.001	1.001

	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor
12/31/2016	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.270
12/31/2017	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.274
12/31/2018	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	2.734

(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	0.0604
27 to 39 Months	0.1264
39 to 51 Months	0.1138
51 to 63 Months	0.0832
63 to 75 Months	0.0471
75 to 87 Months	0.0277
87 to 99 Months	0.0098
99 to 111 Months	0.0117
111 to 123 Months	0.0078
123 to 135 Months	0.0027
135 to 147 Months	0.0054
147 to 159 Months	0.0055
159 to 171 Months	0.0031
171 to Ultimate	A multistate link ratio factor of 1.012 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>
	0.505	0.444	0.318	0.204	0.121	0.074	0.046
<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>
	0.036	0.024	0.017	0.014	0.009	0.003	0.000

A.Y.E	Reported ALAE as of 3/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2016	39,747	92,434	0.318	29,394	69,141	1.012	69,968
12/31/2017	52,263	286,941	0.444	127,401	179,664	1.012	181,815
12/31/2018	405	261,192	0.505	131,903	132,308	1.012	133,892

(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	1.185	1.245	0.6714	1.225	1,100,000
27 to 39 Months	1.095	1.008	0.7541	1.029	1,200,000
39 to 51 Months	1.046	1.101	0.7356	1.086	1,200,000
51 to 63 Months	1.037	0.995	0.7261	1.007	1,300,000
63 to 75 Months	1.032	0.999	0.7264	1.008	1,400,000
75 to 87 Months	1.028	0.985	0.7376	0.996	1,500,000
87 to 99 Months	1.028	0.989	0.7484	0.999	1,600,000
99 to 111 Months	1.042	1.008	0.7068	1.018	1,700,000
111 to 123 Months	1.016	0.991	0.6930	0.999	1,800,000
123 to 135 Months	1.027	1.000	0.6499	1.009	2,000,000
135 to 147 Months	1.012	1.000	0.5909	1.005	2,100,000
147 to 159 Months	1.009	1.000	0.5585	1.004	2,300,000
159 to 171 Months	1.005	1.000	0.5132	1.002	2,400,000
171 to 183 Months	1.004	1.000	0.5182	1.002	2,600,000
183 to 195 Months	1.002	1.000	0.4559	1.001	2,800,000
195 to 207 Months	1.002	1.000	0.4538	1.001	3,000,000
207 to 219 Months	1.002	1.000	0.4250	1.001	3,200,000
219 to 231 Months	1.002	1.000	0.3175	1.001	3,400,000
231 to 243 Months	1.002	1.000	0.1354	1.002	3,700,000
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								
12/31/2016			1.086	1.007	1.008	0.996	0.999	1.018	0.999	1.009	1.005	
12/31/2017		1.029	1.086	1.007	1.008	0.996	0.999	1.018	0.999	1.009	1.005	
12/31/2018	1.225	1.029	1.086	1.007	1.008	0.996	0.999	1.018	0.999	1.009	1.005	
		159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
12/31/2016	1.004	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.002	1.008		1.156
12/31/2017	1.004	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.002	1.008		1.190
12/31/2018	1.004	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.002	1.008		1.457

(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	0.0686
27 to 39 Months	0.0750
39 to 51 Months	0.0707
51 to 63 Months	0.0579
63 to 75 Months	0.0463
75 to 87 Months	0.0344
87 to 99 Months	0.0306
99 to 111 Months	0.0332
111 to 123 Months	0.0328
123 to 135 Months	0.0302
135 to 147 Months	0.0192
147 to 159 Months	0.0178
159 to 171 Months	0.0075
171 to Ultimate	A multistate link ratio factor of 1.032 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>
	0.524	0.456	0.381	0.310	0.252	0.206	0.171
<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>
	0.141	0.108	0.075	0.044	0.025	0.007	0.000

A.Y.E	Reported ALAE as of 3/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2016	548,711	2,664,695	0.381	1,015,248	1,563,959	1.032	1,613,999
12/31/2017	269,968	1,399,223	0.456	638,046	908,014	1.032	937,060
12/31/2018	100,995	2,017,008	0.524	1,056,914	1,157,909	1.032	1,194,955

(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>
12/31/1999	94,915	108,467	166,311	178,843	224,843	116,943	116,943	146,943	146,943	146,943	146,943
12/31/2000	27,000	45,000	57,627	52,527	28,751	28,751	28,751	32,201	28,751	28,751	28,751
12/31/2001	950	230,700	225,200	277,450	202,650	202,650	187,650	187,650	80,650	60,650	60,650
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	
12/31/2010	116,737	97,838	82,838	134,838	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			
12/31/2012	111,740	22,783	81,134	58,594	151,149	142,733	142,733				
12/31/2013	34,419	144,919	59,919	64,919	164,919	164,919					
12/31/2014	291,067	400,138	313,569	264,676	262,183						
12/31/2015	47,000	81,659	24,500	28,000							
12/31/2016	6,994	69,828	56,784								
12/31/2017	172,797	162,850									
12/31/2018	68,536										

<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>
12/31/1999	146,943	146,943	146,943	146,943	146,943	146,943	146,943	146,943	146,943
12/31/2000	28,751	28,751	28,751	28,751	28,751	28,751	28,751	28,751	
12/31/2001	60,650	60,650	60,650	60,650	60,650	60,650	60,650		
12/31/2002	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				
12/31/2004	118,262	118,262	118,262	118,262					
12/31/2005	412,862	412,862	412,862						
12/31/2006	74,188	74,188							
12/31/2007	32,000								

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
12/31/1999	1.143	1.533	1.075	1.257	0.520	1.000	1.257	1.000	1.000	1.000	1.000
12/31/2000	1.667	1.281	0.911	0.547	1.000	1.000	1.120	0.893	1.000	1.000	1.000
12/31/2001	242.842	0.976	1.232	0.730	1.000	0.926	1.000	0.430	0.752	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	
12/31/2009	1.244	1.295	0.820	0.942	1.261	1.067	0.774	1.000	1.000		
12/31/2010	0.838	0.847	1.628	1.371	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				
12/31/2012	0.204	3.561	0.722	2.580	0.944	1.000					
12/31/2013	4.210	0.413	1.083	2.540	1.000						
12/31/2014	1.375	0.784	0.844	0.991							
12/31/2015	1.737	0.300	1.143								
12/31/2016	9.984	0.813									
12/31/2017	0.942										

3 Yr Mean	4.221	0.632	1.023	2.037	1.276	0.844	0.925	0.962	1.000	1.000	1.000
Best 3/5	2.441	0.670	0.883	1.634	1.087	1.000	0.925	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			
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
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								
12/31/2005	1.000	1.000									
12/31/2006	1.000										

3 Yr Mean	1.000	1.000	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

	Development From										
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.087	1.000	0.925	1.000	1.000	1.000	1.000
12/31/2015				1.634	1.087	1.000	0.925	1.000	1.000	1.000	1.000
12/31/2016			0.883	1.634	1.087	1.000	0.925	1.000	1.000	1.000	1.000
12/31/2017		0.670	0.883	1.634	1.087	1.000	0.925	1.000	1.000	1.000	1.000
12/31/2018	2.441	0.670	0.883	1.634	1.087	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
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.005
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.643
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.451
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.972
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	2.373

* 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>
12/31/1999	7,555	6,887	20,792	29,233	55,461	48,384	48,393	48,393	48,393	48,393	48,393
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	164,313	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	
12/31/2010	0	28,946	112,865	178,082	218,465	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			
12/31/2012	108	14,195	41,039	65,298	124,012	145,879	182,862				
12/31/2013	4,246	14,354	16,039	22,934	68,936	68,938					
12/31/2014	16,145	78,086	125,531	185,846	212,734						
12/31/2015	0	30,688	29,908	23,821							
12/31/2016	0	42,908	39,747								
12/31/2017	8,540	52,263									
12/31/2018	405										

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>
12/31/1999	48,393	48,393	48,393	48,393	48,393	48,393	48,393	48,393	48,393
12/31/2000	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		
12/31/2002	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				
12/31/2004	279,210	279,210	279,210	279,210					
12/31/2005	141,792	141,792	141,792						
12/31/2006	112,352	112,352							
12/31/2007	40,413								

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>
12/31/1999	332,808	473,900	489,878	541,481	517,580	479,580	479,580	479,580	499,009	513,494	579,580
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	
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		
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			
12/31/2012	958,662	1,053,626	925,661	936,811	1,031,811	1,061,811	1,004,311				
12/31/2013	798,145	859,109	908,960	982,968	948,177	861,896					
12/31/2014	1,102,479	1,362,259	1,351,410	1,526,521	1,529,957						
12/31/2015	658,861	887,688	1,078,332	1,293,672							
12/31/2016	821,121	1,429,616	1,393,513								
12/31/2017	767,320	883,265									
12/31/2018	1,128,284										
<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>		
12/31/1999	579,580	579,580	579,580	580,505	579,580	579,580	579,580	579,580	579,580		
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			
12/31/2001	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					
12/31/2003	849,936	849,936	854,936	854,936	859,936						
12/31/2004	1,234,237	1,234,237	1,234,237	1,212,737							
12/31/2005	446,383	446,379	446,379								
12/31/2006	1,229,162	1,229,162									
12/31/2007	1,275,846										

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

	Link Ratios										
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.424	1.034	1.105	0.956	0.927	1.000	1.000	1.041	1.029	1.129	1.000
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	1.001	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	
12/31/2009	1.281	1.272	0.858	0.921	1.003	1.017	0.949	1.021	0.984		
12/31/2010	1.145	0.924	0.996	0.990	0.978	0.993	0.996	1.000			
12/31/2011	1.057	1.084	1.092	0.992	1.016	0.992	1.000				
12/31/2012	1.099	0.879	1.012	1.101	1.029	0.946					
12/31/2013	1.076	1.058	1.081	0.965	0.909						
12/31/2014	1.236	0.992	1.130	1.002							
12/31/2015	1.347	1.215	1.200								
12/31/2016	1.741	0.975									
12/31/2017	1.151										

3 Yr Mean	1.413	1.061	1.137	1.023	0.985	0.977	0.982	1.007	0.991	1.015	0.980
Best 3/5	1.245	1.008	1.101	0.995	0.999	0.985	0.989	1.008	0.991	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	1.000	1.000	1.002	0.998	1.000	1.000	1.000	1.000			
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	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2004	1.000	1.000	0.983								
12/31/2005	1.000	1.000									
12/31/2006	1.000										

3 Yr Mean	1.000	1.002	0.994	1.002	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

	Development From										
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					0.999	0.985	0.989	1.008	0.991	1.000	1.000
12/31/2015				0.995	0.999	0.985	0.989	1.008	0.991	1.000	1.000
12/31/2016			1.101	0.995	0.999	0.985	0.989	1.008	0.991	1.000	1.000
12/31/2017		1.008	1.101	0.995	0.999	0.985	0.989	1.008	0.991	1.000	1.000
12/31/2018	1.245	1.008	1.101	0.995	0.999	0.985	0.989	1.008	0.991	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
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.972
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.967
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.065
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.074
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.337

* 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

	Allocated Expenses as of:										
A.Y.E	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	7,889	61,032	102,378	186,650	243,841	229,130	229,130	229,130	253,761	318,984	355,800
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	186,702	319,748	443,275	871,305	937,975	1,025,847	1,048,296	1,172,972	1,224,292	1,218,179
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	
12/31/2010	152,912	316,269	453,383	472,340	606,985	615,688	666,144	687,209	686,498		
12/31/2011	154,033	357,357	450,282	604,125	769,796	818,277	802,665	802,665			
12/31/2012	123,668	364,580	405,169	433,816	472,273	522,951	507,107				
12/31/2013	483,886	511,058	484,529	1,020,085	1,166,692	1,261,247					
12/31/2014	85,022	425,924	791,722	1,049,891	1,159,985						
12/31/2015	76,505	254,207	325,435	463,334							
12/31/2016	144,844	418,968	528,457								
12/31/2017	105,746	264,469									
12/31/2018	95,528										

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>
12/31/1999	390,669	390,669	390,669	391,039	390,669	390,669	390,669	390,669	390,669
12/31/2000	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		
12/31/2002	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				
12/31/2004	632,823	632,823	632,823	611,812					
12/31/2005	216,882	216,882	216,882						
12/31/2006	937,374	937,374							
12/31/2007	1,164,468								

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
12/31/1999	4,956,833	6,997,254	9,702,054	11,503,345	11,550,057	11,806,217	11,486,813	11,275,709	11,277,262	11,301,812	11,324,606
12/31/2000	3,161,020	7,032,572	9,020,885	10,626,496	10,512,292	10,857,836	10,356,898	10,420,083	10,270,732	10,309,376	10,306,797
12/31/2001	3,122,564	6,716,472	8,908,525	9,878,483	10,467,130	10,520,411	10,353,113	10,107,990	10,003,388	9,901,935	9,923,305
12/31/2002	2,897,561	6,865,145	9,002,579	9,805,765	10,739,856	10,865,771	11,151,148	11,357,869	11,502,501	11,555,831	11,589,549
12/31/2003	3,612,890	6,617,194	9,969,513	10,646,523	10,531,387	10,340,245	10,114,947	10,077,141	10,060,673	10,097,074	10,148,084
12/31/2004	4,686,540	7,094,003	9,584,995	10,682,560	10,795,982	10,316,931	10,629,712	10,584,946	10,568,534	10,603,697	10,708,555
12/31/2005	4,166,570	7,107,994	9,954,107	11,194,209	10,993,689	11,195,470	11,511,084	11,421,373	11,338,779	11,435,715	11,391,261
12/31/2006	4,486,358	8,514,115	12,455,387	13,076,313	12,929,083	13,111,153	12,966,886	13,179,515	13,090,804	13,005,483	12,932,373
12/31/2007	4,289,508	8,282,118	11,145,959	12,269,098	12,290,037	12,327,570	12,034,326	12,184,965	12,381,873	12,167,398	12,147,985
12/31/2008	4,236,718	7,704,790	10,965,360	11,869,482	11,630,179	11,626,770	12,289,095	12,070,191	12,126,593	12,082,352	12,246,758
12/31/2009	4,868,191	7,733,590	10,813,605	11,349,866	11,444,053	11,835,965	11,440,685	11,428,102	11,314,699	11,155,367	
12/31/2010	4,787,074	9,758,644	12,146,043	13,409,582	14,363,567	14,411,482	13,965,812	13,822,151	13,714,384		
12/31/2011	4,592,218	7,281,911	10,926,404	12,942,917	12,904,776	11,881,715	11,971,646	11,755,069			
12/31/2012	3,366,624	7,210,935	13,070,709	12,851,616	13,154,080	13,084,601	12,729,945				
12/31/2013	4,432,335	9,778,399	11,756,233	13,418,362	13,483,211	13,579,893					
12/31/2014	5,447,688	8,149,646	12,314,193	13,091,886	12,678,787						
12/31/2015	4,437,364	8,197,069	12,273,824	13,104,598							
12/31/2016	3,002,552	8,418,869	12,205,818								
12/31/2017	5,253,013	9,593,527									
12/31/2018	6,008,084										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	11,281,838	11,243,570	11,229,697	11,229,396	11,229,397	11,229,396	11,229,396	11,229,395	11,229,395
12/31/2000	10,343,090	10,395,934	10,338,583	10,391,837	10,386,833	10,401,832	10,401,832	10,400,282	
12/31/2001	9,974,307	9,977,990	10,015,032	10,058,239	10,034,875	10,004,674	10,099,719		
12/31/2002	11,522,754	11,553,287	11,697,521	11,698,231	11,687,193	11,731,321			
12/31/2003	10,183,588	10,196,646	10,235,388	10,215,387	10,215,887				
12/31/2004	10,772,825	10,969,285	10,905,069	10,912,070					
12/31/2005	11,284,522	11,236,614	11,175,273						
12/31/2006	12,934,372	12,926,819							
12/31/2007	12,172,480								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.412	1.387	1.186	1.004	1.022	0.973	0.982	1.000	1.002	1.002	0.996
12/31/2000	2.225	1.283	1.178	0.989	1.033	0.954	1.006	0.986	1.004	1.000	1.004
12/31/2001	2.151	1.326	1.109	1.060	1.005	0.984	0.976	0.990	0.990	1.002	1.005
12/31/2002	2.369	1.311	1.089	1.095	1.012	1.026	1.019	1.013	1.005	1.003	0.994
12/31/2003	1.832	1.507	1.068	0.989	0.982	0.978	0.996	0.998	1.004	1.005	1.003
12/31/2004	1.514	1.351	1.115	1.011	0.956	1.030	0.996	0.998	1.003	1.010	1.006
12/31/2005	1.706	1.400	1.125	0.982	1.018	1.028	0.992	0.993	1.009	0.996	0.991
12/31/2006	1.898	1.463	1.050	0.989	1.014	0.989	1.016	0.993	0.993	0.996	1.000
12/31/2007	1.931	1.346	1.101	1.002	1.003	0.976	1.013	1.016	0.983	0.998	1.002
12/31/2008	1.819	1.423	1.082	0.980	1.000	1.057	0.982	1.005	0.996	1.014	
12/31/2009	1.589	1.398	1.050	1.008	1.034	0.967	0.999	0.990	0.986		
12/31/2010	2.039	1.245	1.104	1.071	1.003	0.969	0.990	0.992			
12/31/2011	1.586	1.500	1.185	0.997	0.921	1.008	0.982				
12/31/2012	2.142	1.813	0.983	1.024	0.995	0.973					
12/31/2013	2.206	1.202	1.141	1.005	1.007						
12/31/2014	1.496	1.511	1.063	0.968							
12/31/2015	1.847	1.497	1.068								
12/31/2016	2.804	1.450									
12/31/2017	1.826										

3 Yr Mean 2.159 1.486 1.091 0.999 0.974 0.983 0.990 0.996 0.988 1.002 0.998

Best 3/5 1.960 1.486 1.091 1.009 1.002 0.983 0.990 0.997 0.992 1.001 1.002

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2000	1.005	0.994	1.005	1.000	1.001	1.000	1.000	1.000 *			
12/31/2001	1.000	1.004	1.004	0.998	0.997	1.010	1.000 *	1.000 *			
12/31/2002	1.003	1.012	1.000	0.999	1.004	1.000 *	1.000 *	1.000 *			
12/31/2003	1.001	1.004	0.998	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2004	1.018	0.994	1.001								
12/31/2005	0.996	0.995									
12/31/2006	0.999										

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

Best 3/5 1.001 1.001 1.002 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
12/31/2014					1.002	0.983	0.990	0.997	0.992	1.001	1.002
12/31/2015				1.009	1.002	0.983	0.990	0.997	0.992	1.001	1.002
12/31/2016			1.091	1.009	1.002	0.983	0.990	0.997	0.992	1.001	1.002
12/31/2017		1.486	1.091	1.009	1.002	0.983	0.990	0.997	0.992	1.001	1.002
12/31/2018	1.960	1.486	1.091	1.009	1.002	0.983	0.990	0.997	0.992	1.001	1.002

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	0.971
12/31/2015	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	0.980
12/31/2016	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	1.069
12/31/2017	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	1.589
12/31/2018	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	3.114

* 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
12/31/1999	404,714	874,417	1,874,163	2,237,696	2,297,649	1,809,642	1,786,359	1,845,557	1,883,682	1,920,172	1,991,256
12/31/2000	350,798	514,262	1,161,368	1,461,454	1,251,531	1,824,321	1,645,592	1,526,792	1,602,111	1,592,811	1,521,613
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	1,308,023
12/31/2002	229,242	650,739	1,124,018	1,164,317	1,373,666	1,361,220	1,672,423	1,722,423	1,546,341	1,493,066	1,515,902
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	1,420,195	1,420,197	1,443,795
12/31/2004	267,810	621,021	1,029,012	1,052,518	1,091,198	1,010,394	847,293	874,261	891,150	878,580	829,980
12/31/2005	666,837	1,045,465	1,124,246	1,101,235	1,202,588	1,059,558	1,149,104	1,150,432	1,118,532	1,252,441	1,197,866
12/31/2006	818,931	1,320,993	1,476,958	1,588,453	1,683,437	1,415,017	1,390,016	1,610,616	1,750,067	1,700,298	1,596,566
12/31/2007	270,668	948,364	953,464	1,093,194	1,160,444	1,273,644	1,213,956	1,206,781	1,181,807	1,181,308	1,229,358
12/31/2008	288,189	736,486	765,196	902,388	835,573	1,014,521	1,107,977	1,245,724	1,258,771	1,196,313	1,195,313
12/31/2009	566,791	1,045,400	1,069,085	1,263,752	1,084,741	1,154,076	1,098,109	1,097,244	1,038,243	1,153,243	
12/31/2010	641,422	781,803	1,438,274	1,851,833	1,583,598	1,516,454	1,441,164	1,487,665	1,582,736		
12/31/2011	270,205	819,627	1,230,077	1,689,436	1,722,481	1,706,863	1,706,863	1,706,863			
12/31/2012	383,511	1,139,597	1,405,578	1,652,860	1,649,357	1,695,210	1,692,710				
12/31/2013	1,675,399	2,417,513	2,662,315	2,672,081	2,667,808	2,768,307					
12/31/2014	1,950,981	2,466,662	2,836,296	3,126,175	3,209,813						
12/31/2015	980,710	1,453,033	1,925,708	2,328,985							
12/31/2016	1,110,372	2,429,268	2,968,685								
12/31/2017	554,719	1,996,465									
12/31/2018	870,529										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	1,986,257	1,921,257	1,867,257	1,867,257	1,867,260	1,867,257	1,867,257	1,867,257	1,867,257
12/31/2000	1,538,613	1,533,111	1,503,111	1,570,611	1,565,611	1,565,611	1,566,111	1,567,161	
12/31/2001	1,261,828	1,261,831	1,309,828	1,274,827	1,274,828	1,299,828	1,332,327		
12/31/2002	1,467,700	1,579,904	1,581,334	1,581,333	1,581,333	1,681,332			
12/31/2003	1,446,695	1,424,195	1,423,696	1,423,696	1,523,695				
12/31/2004	828,318	828,219	833,218	933,217					
12/31/2005	1,237,867	1,311,837	1,312,086						
12/31/2006	1,555,316	1,655,313							
12/31/2007	1,438,357								

COMPLETED OPERATIONS (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
12/31/1999	2.161	2.143	1.194	1.027	0.788	0.987	1.033	1.021	1.019	1.037	0.997
12/31/2000	1.466	2.258	1.258	0.856	1.458	0.902	0.928	1.049	0.994	0.955	1.011
12/31/2001	2.100	1.297	1.056	0.941	1.087	1.256	1.078	0.965	0.990	1.005	0.965
12/31/2002	2.839	1.727	1.036	1.180	0.991	1.229	1.030	0.898	0.966	1.015	0.968
12/31/2003	2.714	1.574	0.919	0.965	1.085	1.002	1.019	1.059	1.000	1.017	1.002
12/31/2004	2.319	1.657	1.023	1.037	0.926	0.839	1.032	1.019	0.986	0.945	0.998
12/31/2005	1.568	1.075	0.980	1.092	0.881	1.085	1.001	0.972	1.120	0.956	1.033
12/31/2006	1.613	1.118	1.075	1.060	0.841	0.982	1.159	1.087	0.972	0.939	0.974
12/31/2007	3.504	1.005	1.147	1.062	1.098	0.953	0.994	0.979	1.000	1.041	1.170
12/31/2008	2.556	1.039	1.179	0.926	1.214	1.092	1.124	1.010	0.950	0.999	
12/31/2009	1.844	1.023	1.182	0.858	1.064	0.952	0.999	0.946	1.111		
12/31/2010	1.219	1.840	1.288	0.855	0.958	0.950	1.032	1.064			
12/31/2011	3.033	1.501	1.373	1.020	0.991	1.000	1.000				
12/31/2012	2.971	1.233	1.176	0.998	1.028	0.999					
12/31/2013	1.443	1.101	1.004	0.998	1.038						
12/31/2014	1.264	1.150	1.102	1.027							
12/31/2015	1.482	1.325	1.209								
12/31/2016	2.188	1.222									
12/31/2017	3.599										

3 Yr Mean	2.423	1.232	1.105	1.008	1.019	0.983	1.010	1.007	1.020	0.993	1.059
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Best 3/5	1.704	1.202	1.162	1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011
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A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	0.967	0.972	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2000	0.996	0.980	1.045	0.997	1.000	1.000	1.001	1.002 *			
12/31/2001	1.000	1.038	0.973	1.000	1.020	1.025	1.004 *	1.002 *			
12/31/2002	1.076	1.001	1.000	1.000	1.063	1.007 *	1.004 *	1.002 *			
12/31/2003	0.984	1.000	1.000	1.070	1.000 *	1.007 *	1.004 *	1.002 *			
12/31/2004	1.000	1.006	1.120								
12/31/2005	1.060	1.000									
12/31/2006	1.064										

3 Yr Mean	1.041	1.002	1.040	1.023	1.028 @	1.008 @	1.001 @	1.000 @			
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Best 3/5	1.041	1.002	1.015	1.000	1.007 *	1.005 *	1.003 *	1.002 *			
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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
12/31/2014					1.019	0.984	1.010	1.018	1.028	0.967	1.011
12/31/2015				1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011
12/31/2016			1.162	1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011
12/31/2017		1.202	1.162	1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011
12/31/2018	1.704	1.202	1.162	1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.041	1.002	1.015	1.000	1.007	1.005	1.003	1.002	1.004*	1.120
12/31/2015	1.041	1.002	1.015	1.000	1.007	1.005	1.003	1.002	1.004*	1.126
12/31/2016	1.041	1.002	1.015	1.000	1.007	1.005	1.003	1.002	1.004*	1.308
12/31/2017	1.041	1.002	1.015	1.000	1.007	1.005	1.003	1.002	1.004*	1.572
12/31/2018	1.041	1.002	1.015	1.000	1.007	1.005	1.003	1.002	1.004*	2.679

* 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
12/31/1999	890,508	1,598,954	3,254,883	5,425,757	6,421,483	7,327,626	7,305,050	7,918,594	8,530,517	8,648,466	8,917,435
12/31/2000	643,848	2,331,874	3,566,128	5,837,479	6,471,043	7,149,476	7,182,915	7,183,356	7,234,045	7,482,173	7,492,689
12/31/2001	564,536	1,841,013	3,740,473	5,597,252	7,365,879	8,104,983	8,750,061	8,750,391	8,813,420	8,823,647	8,795,893
12/31/2002	654,307	2,802,220	4,513,704	7,859,619	8,633,167	10,041,112	10,369,555	10,736,012	10,986,348	11,002,397	11,074,764
12/31/2003	1,047,161	2,229,991	4,639,200	7,434,876	8,340,416	9,003,483	9,652,654	9,648,716	9,520,081	9,559,102	9,611,250
12/31/2004	541,289	1,809,061	4,208,694	6,668,763	8,457,521	9,621,299	10,825,994	10,459,506	10,530,647	10,559,053	10,882,331
12/31/2005	737,161	1,341,851	3,695,927	6,083,030	7,439,433	8,214,925	8,761,458	8,973,491	9,291,777	9,584,330	9,754,869
12/31/2006	889,126	3,634,712	6,271,204	7,909,774	9,265,894	10,466,936	11,033,230	11,367,400	11,641,649	11,656,624	11,635,939
12/31/2007	817,267	2,516,874	5,470,176	9,150,556	10,174,735	10,788,755	11,080,063	11,364,093	11,545,473	11,658,184	11,686,938
12/31/2008	825,433	1,909,021	4,206,120	6,424,317	8,462,232	9,680,025	10,405,279	10,968,718	11,666,928	14,924,775	14,717,385
12/31/2009	544,523	1,995,974	4,184,545	6,498,331	8,786,455	9,366,439	9,651,394	9,873,136	9,885,249	10,002,293	
12/31/2010	797,308	2,771,965	5,305,585	7,969,842	10,483,462	11,590,011	12,445,934	12,482,184	12,868,867		
12/31/2011	779,416	1,912,711	4,295,522	7,598,311	9,969,328	10,824,179	11,313,052	11,440,687			
12/31/2012	284,923	1,563,412	5,459,116	8,055,321	9,703,087	11,271,406	11,948,835				
12/31/2013	518,869	2,133,963	4,889,049	8,365,829	10,301,339	11,660,764					
12/31/2014	543,643	2,213,840	5,318,837	7,434,580	8,571,200						
12/31/2015	462,007	1,841,087	4,870,573	7,051,384							
12/31/2016	405,440	1,822,495	3,879,852								
12/31/2017	634,607	2,440,841									
12/31/2018	431,665										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	9,111,478	9,008,442	8,999,982	9,001,121	9,001,346	9,001,814	8,999,916	9,002,839	9,011,923
12/31/2000	7,605,229	7,601,711	7,591,025	7,596,838	7,600,594	7,612,821	7,620,353	7,631,608	
12/31/2001	8,828,357	8,817,081	8,829,441	8,899,194	8,903,841	8,914,042	8,917,930		
12/31/2002	11,145,226	11,313,906	11,401,767	11,504,625	11,516,458	11,775,404			
12/31/2003	9,722,536	9,760,173	9,837,471	9,854,237	9,869,654				
12/31/2004	11,065,743	11,191,855	11,242,185	11,287,030					
12/31/2005	9,895,179	10,121,308	10,181,566						
12/31/2006	11,732,750	11,730,831							
12/31/2007	11,684,458								

Link Ratios: 171 to Ultimate									
A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243		
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.001	1.002	*	
12/31/2000	1.001	1.000	1.002	1.001	1.001	1.001	1.002	*	
12/31/2001	1.008	1.001	1.001	1.000	1.001	*	1.001	*	
12/31/2002	1.009	1.001	1.022	1.001	*	1.001	*	1.002	*
12/31/2003	1.002	1.002	1.000	*	1.001	*	1.001	*	1.002
12/31/2004	1.004								

Best 3/5 1.005 1.001 1.001 * 1.001 * 1.001 * 1.001 * 1.002 *

171 to Ultimate Factor: 1.012

* 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	<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>
12/31/1999	708,446	1,655,929	2,170,874	995,726	906,143	-22,576	613,544	611,923	117,949	268,969	194,043	-103,036	-8,460
12/31/2000	1,688,026	1,234,254	2,271,351	633,564	678,433	33,439	441	50,689	248,128	10,516	112,540	-3,518	-10,686
12/31/2001	1,276,477	1,899,460	1,856,779	1,768,627	739,104	645,078	330	63,029	10,227	-27,754	32,464	-11,276	12,360
12/31/2002	2,147,913	1,711,484	3,345,915	773,548	1,407,945	328,443	366,457	250,336	16,049	72,367	70,462	168,680	87,861
12/31/2003	1,182,830	2,409,209	2,795,676	905,540	663,067	649,171	-3,938	-128,635	39,021	52,148	111,286	37,637	77,298
12/31/2004	1,267,772	2,399,633	2,460,069	1,788,758	1,163,778	1,204,695	-366,488	71,141	28,406	323,278	183,412	126,112	50,330
12/31/2005	604,690	2,354,076	2,387,103	1,356,403	775,492	546,533	212,033	318,286	292,553	170,539	140,310	226,129	60,258
12/31/2006	2,745,586	2,636,492	1,638,570	1,356,120	1,201,042	566,294	334,170	274,249	14,975	-20,685	96,811	-1,919	
12/31/2007	1,699,607	2,953,302	3,680,380	1,024,179	614,020	291,308	284,030	181,380	112,711	28,754	-2,480		
12/31/2008	1,083,588	2,297,099	2,218,197	2,037,915	1,217,793	725,254	563,439	698,210	3,257,847	-207,390			
12/31/2009	1,451,451	2,188,571	2,313,786	2,288,124	579,984	284,955	221,742	12,113	117,044				
12/31/2010	1,974,657	2,533,620	2,664,257	2,513,620	1,106,549	855,923	36,250	386,683					
12/31/2011	1,133,295	2,382,811	3,302,789	2,371,017	854,851	488,873	127,635						
12/31/2012	1,278,489	3,895,704	2,596,205	1,647,766	1,568,319	677,429							
12/31/2013	1,615,094	2,755,086	3,476,780	1,935,510	1,359,425								
12/31/2014	1,670,197	3,104,997	2,115,743	1,136,620									
12/31/2015	1,379,080	3,029,486	2,180,811										
12/31/2016	1,417,055	2,057,357											
12/31/2017	1,806,234												

A.Y.E	Incremental Percentages												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	0.0349	0.0816	0.1070	0.0491	0.0446	-0.0011	0.0302	0.0301	0.0058	0.0133	0.0096	-0.0051	-0.0004
12/31/2000	0.0869	0.0635	0.1169	0.0326	0.0349	0.0017	0.0000	0.0026	0.0128	0.0005	0.0058	-0.0002	-0.0005
12/31/2001	0.0731	0.1088	0.1063	0.1013	0.0423	0.0369	0.0000	0.0036	0.0006	-0.0016	0.0019	-0.0006	0.0007
12/31/2002	0.0960	0.0765	0.1495	0.0346	0.0629	0.0147	0.0164	0.0112	0.0007	0.0032	0.0031	0.0075	0.0039
12/31/2003	0.0677	0.1380	0.1601	0.0519	0.0380	0.0372	-0.0002	-0.0074	0.0022	0.0030	0.0064	0.0022	0.0044
12/31/2004	0.0678	0.1283	0.1315	0.0956	0.0622	0.0644	-0.0196	0.0038	0.0015	0.0173	0.0098	0.0067	0.0027
12/31/2005	0.0265	0.1032	0.1046	0.0594	0.0340	0.0240	0.0093	0.0139	0.0128	0.0075	0.0061	0.0099	0.0026
12/31/2006	0.1072	0.1030	0.0640	0.0530	0.0469	0.0221	0.0130	0.0107	0.0006	-0.0008	0.0038	-0.0001	
12/31/2007	0.0798	0.1386	0.1728	0.0481	0.0288	0.0137	0.0133	0.0085	0.0053	0.0013	-0.0001		
12/31/2008	0.0486	0.1030	0.0994	0.0914	0.0546	0.0325	0.0253	0.0313	0.1460	-0.0093			
12/31/2009	0.0660	0.0995	0.1052	0.1041	0.0264	0.0130	0.0101	0.0006	0.0053				
12/31/2010	0.0818	0.1050	0.1104	0.1042	0.0458	0.0355	0.0015	0.0160					
12/31/2011	0.0535	0.1125	0.1560	0.1120	0.0404	0.0231	0.0060						
12/31/2012	0.0520	0.1583	0.1055	0.0670	0.0637	0.0275							
12/31/2013	0.0654	0.1116	0.1409	0.0784	0.0551								
12/31/2014	0.0729	0.1355	0.0923	0.0496									
12/31/2015	0.0601	0.1321	0.0951										
12/31/2016	0.0545	0.0791											
12/31/2017	0.0555												

Best 3/5	0.0604	0.1264	0.1138	0.0832	0.0471	0.0277	0.0098	0.0117	0.0078	0.0027	0.0054	0.0055	0.0031
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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
12/31/1999	17,599,989	22,454,473	26,046,127	29,562,061	32,370,320	35,877,922	37,653,769	38,643,310	39,594,313	40,570,468	40,738,228
12/31/2000	20,148,215	28,117,537	33,733,241	38,083,537	40,534,637	43,442,144	47,070,033	48,693,596	49,659,853	50,864,816	51,204,766
12/31/2001	22,510,580	30,442,420	36,303,332	39,979,579	43,246,242	44,802,398	45,830,354	48,128,085	49,452,012	49,989,510	49,995,824
12/31/2002	23,942,676	32,500,184	36,636,196	41,459,403	42,462,013	43,302,516	45,305,257	47,063,599	47,981,622	47,466,223	47,890,555
12/31/2003	27,265,666	32,650,070	36,957,858	37,463,953	39,827,295	40,944,922	41,480,008	42,523,955	43,740,689	43,931,137	44,470,197
12/31/2004	27,439,588	33,954,287	37,809,524	41,667,059	44,039,186	45,918,270	47,701,876	48,688,019	50,558,507	51,255,498	52,665,600
12/31/2005	24,441,902	30,021,631	34,159,132	38,667,459	41,089,600	43,660,220	46,355,866	47,633,893	49,215,729	49,424,547	50,472,459
12/31/2006	33,251,639	40,963,717	47,016,396	52,296,103	58,005,321	59,899,447	61,613,000	61,134,942	62,533,335	63,360,384	65,294,375
12/31/2007	37,478,911	45,385,473	54,043,566	56,932,040	59,518,933	61,515,339	62,521,476	64,578,463	66,303,739	68,449,195	70,993,010
12/31/2008	46,746,190	55,030,465	60,846,012	63,453,576	64,664,973	65,907,275	68,135,592	69,345,267	77,558,317	85,573,198	80,392,789
12/31/2009	50,614,467	59,080,856	65,592,058	66,906,596	68,558,709	69,306,834	70,387,519	73,634,396	78,978,315	79,312,015	
12/31/2010	50,249,441	59,040,061	62,599,203	64,398,679	66,662,622	68,124,844	69,513,387	71,647,625	73,500,618		
12/31/2011	50,195,255	56,010,649	58,198,283	58,649,085	59,965,899	62,392,350	64,582,427	65,916,858			
12/31/2012	42,530,139	48,022,963	49,922,237	52,558,947	55,321,739	57,911,305	59,680,496				
12/31/2013	37,680,360	42,122,567	46,464,088	48,430,126	51,135,291	52,876,083					
12/31/2014	38,513,971	44,501,138	47,606,411	49,609,846	50,564,942						
12/31/2015	35,973,160	42,715,059	47,871,650	51,342,816							
12/31/2016	35,239,568	45,331,006	50,354,922								
12/31/2017	38,074,708	46,164,945									
12/31/2018	41,103,743										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/1999	40,957,384	41,152,372	41,043,145	41,246,586	41,187,833	41,307,131	41,306,349	41,381,160	41,374,042		
12/31/2000	51,776,232	51,670,398	51,668,291	51,689,055	51,572,415	51,442,716	51,489,129	51,490,970			
12/31/2001	50,324,295	50,035,846	50,162,941	50,378,683	50,345,144	50,483,753	50,770,646				
12/31/2002	48,212,469	48,315,325	48,445,558	48,467,239	48,973,417	49,091,954					
12/31/2003	44,530,235	44,960,842	45,372,085	45,920,923	46,247,275						
12/31/2004	53,486,742	53,985,474	54,030,819	54,502,221							
12/31/2005	50,794,958	51,242,946	51,786,291								
12/31/2006	66,435,190	67,420,635									
12/31/2007	71,946,233										

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.276	1.160	1.135	1.095	1.108	1.049	1.026	1.025	1.025	1.004	1.005
12/31/2000	1.396	1.200	1.129	1.064	1.072	1.084	1.034	1.020	1.024	1.007	1.011
12/31/2001	1.352	1.193	1.101	1.082	1.036	1.023	1.050	1.028	1.011	1.000	1.007
12/31/2002	1.357	1.127	1.132	1.024	1.020	1.046	1.039	1.020	0.989	1.009	1.007
12/31/2003	1.197	1.132	1.014	1.063	1.028	1.013	1.025	1.029	1.004	1.012	1.001
12/31/2004	1.237	1.114	1.102	1.057	1.043	1.039	1.021	1.038	1.014	1.028	1.016
12/31/2005	1.228	1.138	1.132	1.063	1.063	1.062	1.028	1.033	1.004	1.021	1.006
12/31/2006	1.232	1.148	1.112	1.109	1.033	1.029	0.992	1.023	1.013	1.031	1.017
12/31/2007	1.211	1.191	1.053	1.045	1.034	1.016	1.033	1.027	1.032	1.037	1.013
12/31/2008	1.177	1.106	1.043	1.019	1.019	1.034	1.018	1.118	1.103	0.939	
12/31/2009	1.167	1.110	1.020	1.025	1.011	1.016	1.046	1.073	1.004		
12/31/2010	1.175	1.060	1.029	1.035	1.022	1.020	1.031	1.026			
12/31/2011	1.116	1.039	1.008	1.022	1.040	1.035	1.021				
12/31/2012	1.129	1.040	1.053	1.053	1.047	1.031					
12/31/2013	1.118	1.103	1.042	1.056	1.034						
12/31/2014	1.155	1.070	1.042	1.019							
12/31/2015	1.187	1.121	1.073								
12/31/2016	1.286	1.111									
12/31/2017	1.212										

3 Yr Mean	1.228	1.101	1.052	1.043	1.040	1.029	1.033	1.072	1.046	1.002	1.012
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Best 3/5	1.185	1.095	1.046	1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012
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A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	1.005	0.997	1.005	0.999	1.003	1.000	1.002	1.000			
12/31/2000	0.998	1.000	1.000	0.998	0.997	1.001	1.000	1.002 *			
12/31/2001	0.994	1.003	1.004	0.999	1.003	1.006	1.002 *	1.002 *			
12/31/2002	1.002	1.003	1.000	1.010	1.002	1.002 *	1.002 *	1.002 *			
12/31/2003	1.010	1.009	1.012	1.007	1.001 *	1.002 *	1.002 *	1.002 *			
12/31/2004	1.009	1.001	1.009								
12/31/2005	1.009	1.011									
12/31/2006	1.015										

3 Yr Mean	1.011	1.007	1.007	1.005	1.001 @	1.002 @	1.001 @	1.000 @			
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Best 3/5	1.009	1.005	1.004	1.002	1.002 *	1.002 *	1.002 *	1.002 *			
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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
12/31/2014					1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2015				1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2016			1.046	1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2017		1.095	1.046	1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2018	1.185	1.095	1.046	1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.244
12/31/2015	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.290
12/31/2016	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.349
12/31/2017	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.477
12/31/2018	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.751

* 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
12/31/1999	3,142,541	4,977,597	5,527,609	7,197,579	8,141,449	9,579,842	11,039,408	12,035,649	12,734,940	13,067,600	13,561,726
12/31/2000	3,400,770	5,146,115	7,094,639	9,275,829	11,482,702	14,262,234	16,346,990	18,132,176	18,953,322	21,225,933	22,978,551
12/31/2001	3,489,097	5,541,713	7,596,604	10,340,541	13,626,492	16,865,666	21,643,955	23,053,258	25,546,037	25,617,725	27,154,935
12/31/2002	3,869,547	5,269,389	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	4,149,510	6,037,111	7,638,180	8,422,617	9,776,188	10,377,702	11,377,578	12,070,965	12,746,610	13,596,034	13,514,320
12/31/2004	5,713,030	7,273,617	9,072,102	9,621,873	10,360,231	11,365,247	12,050,208	13,233,590	13,816,700	14,195,450	14,420,607
12/31/2005	6,367,860	8,777,525	9,741,409	10,326,087	11,626,756	12,389,964	12,824,831	13,608,783	14,235,890	14,331,722	14,545,124
12/31/2006	7,279,926	8,817,707	9,982,104	10,720,177	10,771,667	11,702,567	12,317,963	13,039,835	13,456,151	14,670,374	15,511,896
12/31/2007	9,403,204	11,511,865	11,956,531	12,390,151	13,164,956	13,680,133	14,775,331	15,475,514	16,228,583	17,474,496	17,511,929
12/31/2008	8,712,888	11,525,141	13,850,601	14,313,077	15,269,695	16,210,357	17,369,962	17,860,780	18,589,934	18,718,045	19,223,791
12/31/2009	7,979,788	10,320,500	11,838,366	12,625,681	13,654,353	15,195,568	16,397,696	16,933,219	17,598,778	18,050,046	
12/31/2010	9,056,769	10,657,449	10,911,041	11,745,824	12,597,278	12,949,027	13,227,231	14,123,135	14,480,770		
12/31/2011	8,411,352	10,340,541	11,336,352	11,446,268	12,211,032	12,892,273	13,370,415	13,812,048			
12/31/2012	7,813,203	9,214,668	9,925,070	10,448,675	11,837,770	12,473,737	12,737,058				
12/31/2013	10,344,923	12,289,236	12,950,872	13,773,169	14,353,939	15,031,095					
12/31/2014	10,480,704	12,363,373	14,118,754	15,606,041	16,471,188						
12/31/2015	12,410,417	15,384,247	16,277,335	16,843,450							
12/31/2016	13,146,314	15,132,055	17,680,734								
12/31/2017	11,707,532	14,190,927									
12/31/2018	12,594,173										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	13,773,043	14,046,320	13,885,369	13,817,430	13,835,222	13,783,045	13,783,045	13,783,404	13,795,325
12/31/2000	23,550,809	23,750,305	23,668,239	23,641,027	23,416,548	23,246,003	23,296,276	23,291,802	
12/31/2001	27,315,593	27,393,881	27,015,323	26,923,448	26,761,541	26,807,288	26,739,738		
12/31/2002	19,691,678	19,493,471	19,197,635	18,967,507	19,046,399	19,042,195			
12/31/2003	13,360,804	13,561,372	13,214,880	13,166,186	13,111,180				
12/31/2004	14,456,912	14,600,056	14,634,325	14,713,020					
12/31/2005	15,129,417	15,334,155	15,512,099						
12/31/2006	15,568,205	15,844,351							
12/31/2007	17,949,138								

COMPLETED OPERATIONS (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
12/31/1999	1.584	1.110	1.302	1.131	1.177	1.152	1.090	1.058	1.026	1.038	1.016
12/31/2000	1.513	1.379	1.307	1.238	1.242	1.146	1.109	1.045	1.120	1.083	1.025
12/31/2001	1.588	1.371	1.361	1.318	1.238	1.283	1.065	1.108	1.003	1.060	1.006
12/31/2002	1.362	1.449	1.238	1.176	1.233	1.121	1.122	1.130	0.996	0.999	1.016
12/31/2003	1.455	1.265	1.103	1.161	1.062	1.096	1.061	1.056	1.067	0.994	0.989
12/31/2004	1.273	1.247	1.061	1.077	1.097	1.060	1.098	1.044	1.027	1.016	1.003
12/31/2005	1.378	1.110	1.060	1.126	1.066	1.035	1.061	1.046	1.007	1.015	1.040
12/31/2006	1.211	1.132	1.074	1.005	1.086	1.053	1.059	1.032	1.090	1.057	1.004
12/31/2007	1.224	1.039	1.036	1.063	1.039	1.080	1.047	1.049	1.077	1.002	1.025
12/31/2008	1.323	1.202	1.033	1.067	1.062	1.072	1.028	1.041	1.007	1.027	
12/31/2009	1.293	1.147	1.067	1.081	1.113	1.079	1.033	1.039	1.026		
12/31/2010	1.177	1.024	1.077	1.072	1.028	1.021	1.068	1.025			
12/31/2011	1.229	1.096	1.010	1.067	1.056	1.037	1.033				
12/31/2012	1.179	1.077	1.053	1.133	1.054	1.021					
12/31/2013	1.188	1.054	1.063	1.042	1.047						
12/31/2014	1.180	1.142	1.105	1.055							
12/31/2015	1.240	1.058	1.035								
12/31/2016	1.151	1.168									
12/31/2017	1.212										
3 Yr Mean	1.201	1.123	1.068	1.077	1.052	1.026	1.045	1.035	1.037	1.029	1.023
Best 3/5	1.193	1.092	1.050	1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	1.020	0.989	0.995	1.001	0.996	1.000	1.000	1.001			
12/31/2000	1.008	0.997	0.999	0.991	0.993	1.002	1.000	1.000 *			
12/31/2001	1.003	0.986	0.997	0.994	1.002	0.997	1.000 *	1.000 *			
12/31/2002	0.990	0.985	0.988	1.004	1.000	0.999 *	1.000 *	1.000 *			
12/31/2003	1.015	0.974	0.996	0.996	0.997 *	0.999 *	1.000 *	1.000 *			
12/31/2004	1.010	1.002	1.005								
12/31/2005	1.014	1.012									
12/31/2006	1.018										
3 Yr Mean	1.014	0.996	0.996	0.998	0.998 @	1.000 @	1.000 @	1.001 @			
Best 3/5	1.013	0.991	0.997	0.997	0.998 *	0.999 *	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
12/31/2014					1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2015				1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2016			1.050	1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2017		1.092	1.050	1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2018	1.193	1.092	1.050	1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.255
12/31/2015	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.337
12/31/2016	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.404
12/31/2017	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.533
12/31/2018	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.829

* 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
12/31/1999	1,668,153	3,336,316	6,423,228	11,359,815	14,943,484	18,872,478	22,475,790	25,613,716	28,564,868	30,260,585	30,908,184
12/31/2000	1,766,693	4,118,532	7,955,148	12,936,180	16,843,886	21,472,254	27,802,647	31,797,032	33,570,681	36,189,547	38,084,926
12/31/2001	3,226,880	6,490,590	12,441,692	18,154,439	23,560,982	29,302,373	35,452,222	39,569,142	42,814,608	44,842,276	45,917,075
12/31/2002	2,581,677	6,833,339	13,159,921	18,902,345	23,353,458	26,527,709	29,133,819	31,455,087	34,681,377	36,361,483	37,623,838
12/31/2003	3,980,548	6,843,257	12,896,746	17,537,418	21,971,378	26,148,320	28,055,619	30,760,075	32,857,264	34,779,255	36,359,446
12/31/2004	2,907,478	6,312,396	12,432,312	18,820,466	23,132,519	27,486,354	32,181,841	36,251,739	41,917,825	45,922,525	50,549,761
12/31/2005	2,078,294	6,544,724	12,017,280	18,070,477	23,101,679	29,091,715	32,902,584	36,663,507	41,170,343	44,789,283	47,493,933
12/31/2006	4,056,419	8,910,100	16,372,653	23,646,982	30,533,489	36,573,120	42,719,189	46,378,212	53,034,326	55,954,270	58,905,773
12/31/2007	4,482,298	9,178,174	17,272,566	23,812,316	30,002,254	36,368,263	40,982,320	45,906,718	50,057,115	54,549,809	56,940,320
12/31/2008	5,357,486	12,833,987	21,319,711	31,631,934	40,623,873	46,521,177	50,243,526	53,349,509	57,231,987	59,030,697	61,184,078
12/31/2009	7,511,748	15,425,832	26,729,294	38,180,516	46,834,262	52,887,028	57,319,303	62,568,183	64,898,716	67,818,596	
12/31/2010	6,215,465	14,390,125	25,396,884	36,902,451	43,783,473	49,068,325	52,949,562	54,961,417	57,853,487		
12/31/2011	7,189,460	14,183,919	21,615,590	28,000,327	32,813,918	37,942,294	42,388,604	44,604,807			
12/31/2012	5,535,629	11,817,006	19,276,840	26,806,682	34,990,010	39,116,020	40,961,492				
12/31/2013	4,584,476	11,549,212	17,755,808	26,350,128	32,244,133	35,001,536					
12/31/2014	4,485,014	10,676,701	17,653,654	23,910,588	28,157,111						
12/31/2015	5,242,900	11,061,224	17,938,069	24,272,558							
12/31/2016	5,490,531	12,613,714	21,269,132								
12/31/2017	4,454,932	10,203,609									
12/31/2018	4,383,119										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	32,142,125	33,272,857	33,596,207	33,888,911	34,348,528	34,434,686	34,454,939	34,498,730	34,499,997
12/31/2000	40,170,887	40,271,257	40,171,695	40,453,710	40,838,032	40,920,177	40,795,783	40,806,871	
12/31/2001	46,713,802	47,012,447	47,250,589	47,692,448	48,239,176	48,396,668	48,698,540		
12/31/2002	39,337,746	40,960,608	41,148,157	42,080,692	42,821,429	43,204,983			
12/31/2003	38,081,011	38,665,391	39,588,629	40,338,114	40,531,628				
12/31/2004	55,167,421	57,139,531	58,119,898	58,462,098					
12/31/2005	48,022,351	49,245,719	49,762,119						
12/31/2006	60,346,320	61,700,418							
12/31/2007	58,641,395								

Link Ratios: 171 to Ultimate									
A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243		
12/31/1999	1.009	1.014	1.003	1.001	1.001	1.000	1.000	*	
12/31/2000	1.007	1.010	1.002	0.997	1.000	1.000	1.000	*	
12/31/2001	1.009	1.011	1.003	1.006	1.001	1.000	1.000	*	
12/31/2002	1.023	1.018	1.009	1.002	*	1.001	1.000	*	
12/31/2003	1.019	1.005	1.011	*	1.002	*	1.001	*	
12/31/2004	1.006								
Best 3/5	1.012	1.012	1.005	*	1.002	*	1.001	*	1.000

171 to Ultimate Factor: 1.032

* 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
12/31/1999	1,668,163	3,086,912	4,936,587	3,583,669	3,928,994	3,603,312	3,137,926	2,951,152	1,695,717	647,599	1,233,941	1,130,732	323,350
12/31/2000	2,351,839	3,836,616	4,981,032	3,907,706	4,628,368	6,330,393	3,994,385	1,773,649	2,618,866	1,895,379	2,085,961	100,370	-99,562
12/31/2001	3,263,710	5,951,102	5,712,747	5,406,543	5,741,391	6,149,849	4,116,920	3,245,466	2,027,668	1,074,799	796,727	298,645	238,142
12/31/2002	4,251,662	6,326,582	5,742,424	4,451,113	3,174,251	2,606,110	2,321,268	3,226,290	1,680,106	1,262,355	1,713,908	1,622,862	187,549
12/31/2003	2,862,709	6,053,489	4,640,672	4,433,960	4,176,942	1,907,299	2,704,456	2,097,189	1,921,991	1,580,191	1,721,565	584,380	923,238
12/31/2004	3,404,918	6,119,916	6,388,154	4,312,053	4,353,835	4,695,487	4,069,898	5,666,086	4,004,700	4,627,236	4,617,660	1,972,110	980,367
12/31/2005	4,466,430	5,472,556	6,053,197	5,031,202	5,990,036	3,810,869	3,760,923	4,506,836	3,618,940	2,704,650	528,418	1,223,368	516,400
12/31/2006	4,853,681	7,462,553	7,274,329	6,886,507	6,039,631	6,146,069	3,659,023	6,656,114	2,919,944	2,951,503	1,440,547	1,354,098	
12/31/2007	4,695,876	8,094,392	6,539,750	6,189,938	6,366,009	4,614,057	4,924,398	4,150,397	4,492,694	2,390,511	1,701,075		
12/31/2008	7,476,501	8,485,724	10,312,223	8,991,939	5,897,304	3,722,349	3,105,983	3,882,478	1,798,710	2,153,381			
12/31/2009	7,914,084	11,303,462	11,451,222	8,653,746	6,052,766	4,432,275	5,248,880	2,330,533	2,919,880				
12/31/2010	8,174,660	11,006,759	11,505,567	6,881,022	5,284,852	3,881,237	2,011,855	2,892,070					
12/31/2011	6,994,459	7,431,671	6,384,737	4,813,591	5,128,376	4,446,310	2,216,203						
12/31/2012	6,281,377	7,459,834	7,529,842	8,183,328	4,126,010	1,845,472							
12/31/2013	6,964,736	6,206,596	8,594,320	5,894,005	2,757,403								
12/31/2014	6,191,687	6,976,953	6,256,934	4,246,523									
12/31/2015	5,818,324	6,876,845	6,334,489										
12/31/2016	7,123,183	8,655,418											
12/31/2017	5,748,677												

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
12/31/1999	0.0287	0.0531	0.0849	0.0616	0.0676	0.0620	0.0540	0.0508	0.0292	0.0111	0.0212	0.0194	0.0056
12/31/2000	0.0319	0.0521	0.0676	0.0530	0.0628	0.0859	0.0542	0.0241	0.0355	0.0257	0.0283	0.0014	-0.0014
12/31/2001	0.0451	0.0822	0.0789	0.0747	0.0793	0.0850	0.0569	0.0448	0.0280	0.0148	0.0110	0.0041	0.0033
12/31/2002	0.0594	0.0884	0.0803	0.0622	0.0444	0.0364	0.0324	0.0451	0.0235	0.0176	0.0240	0.0227	0.0026
12/31/2003	0.0436	0.0922	0.0706	0.0675	0.0636	0.0290	0.0412	0.0319	0.0293	0.0241	0.0262	0.0089	0.0141
12/31/2004	0.0422	0.0758	0.0791	0.0534	0.0539	0.0581	0.0504	0.0701	0.0496	0.0573	0.0572	0.0244	0.0121
12/31/2005	0.0609	0.0746	0.0826	0.0686	0.0817	0.0520	0.0513	0.0615	0.0494	0.0369	0.0072	0.0167	0.0070
12/31/2006	0.0500	0.0768	0.0749	0.0709	0.0622	0.0633	0.0377	0.0685	0.0301	0.0304	0.0148	0.0139	
12/31/2007	0.0460	0.0793	0.0640	0.0606	0.0623	0.0452	0.0482	0.0406	0.0440	0.0234	0.0167		
12/31/2008	0.0644	0.0731	0.0888	0.0774	0.0508	0.0321	0.0267	0.0334	0.0155	0.0185			
12/31/2009	0.0660	0.0942	0.0955	0.0721	0.0505	0.0370	0.0438	0.0194	0.0243				
12/31/2010	0.0722	0.0972	0.1016	0.0608	0.0467	0.0343	0.0178	0.0255					
12/31/2011	0.0677	0.0719	0.0618	0.0466	0.0496	0.0430	0.0214						
12/31/2012	0.0651	0.0773	0.0780	0.0848	0.0428	0.0191							
12/31/2013	0.0763	0.0680	0.0941	0.0646	0.0302								
12/31/2014	0.0707	0.0797	0.0715	0.0485									
12/31/2015	0.0575	0.0679	0.0626										
12/31/2016	0.0739	0.0898											
12/31/2017	0.0612												

Best 3/5	0.0686	0.0750	0.0707	0.0579	0.0463	0.0344	0.0306	0.0332	0.0328	0.0302	0.0192	0.0178	0.0075
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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:											
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
12/31/1999	5,640,125	7,221,932	8,055,559	8,625,494	8,777,928	8,432,303	8,308,730	8,429,844	8,381,635	8,399,607	8,444,616
12/31/2000	6,241,893	7,846,057	8,878,581	10,028,395	9,114,290	9,074,853	9,040,929	9,098,117	9,015,129	9,029,862	9,013,288
12/31/2001	6,156,159	7,697,139	9,047,316	9,348,983	9,229,080	9,477,420	9,527,338	9,414,451	9,459,412	9,426,291	9,474,711
12/31/2002	6,742,206	7,904,813	9,350,937	10,575,598	10,464,773	10,397,019	10,389,624	10,423,004	10,423,204	10,419,382	10,525,383
12/31/2003	4,685,836	6,556,178	8,907,379	9,498,317	9,914,560	9,824,811	9,608,111	9,501,928	9,510,106	9,595,145	9,476,207
12/31/2004	5,613,023	6,798,347	8,144,858	8,903,857	8,633,061	8,292,971	8,366,133	8,209,619	8,248,611	8,270,040	8,241,575
12/31/2005	6,094,066	6,419,364	7,839,512	7,961,490	7,857,496	7,799,132	7,787,265	7,825,588	7,718,468	7,697,337	7,697,188
12/31/2006	5,468,803	6,585,107	8,165,220	8,060,168	7,846,753	7,673,354	7,486,282	7,495,698	7,557,198	7,557,198	7,557,198
12/31/2007	5,201,096	6,085,661	7,372,132	7,290,050	7,403,475	7,343,964	7,191,507	6,969,119	6,859,510	6,874,507	6,874,507
12/31/2008	5,734,718	7,045,916	7,954,815	7,621,748	7,378,809	7,502,155	7,520,572	7,401,821	7,401,821	7,450,821	7,450,821
12/31/2009	6,515,923	7,293,853	8,861,484	8,980,255	8,885,741	8,877,591	8,805,994	8,829,750	8,833,309	8,833,309	
12/31/2010	7,165,961	8,624,516	10,319,979	10,403,977	10,700,973	10,530,937	10,486,321	10,484,377	10,484,377		
12/31/2011	6,869,010	7,909,904	8,771,702	9,287,381	9,167,732	9,019,138	8,957,329	8,844,656			
12/31/2012	4,808,486	6,082,740	7,123,457	7,430,014	7,478,687	7,439,147	7,378,280				
12/31/2013	5,276,794	6,270,021	7,096,192	7,057,264	6,940,634	6,947,707					
12/31/2014	4,988,998	5,952,292	6,355,184	6,521,458	6,518,864						
12/31/2015	5,224,079	5,537,235	6,263,232	6,755,984							
12/31/2016	3,868,575	5,202,920	6,940,214								
12/31/2017	4,055,265	5,550,470									
12/31/2018	3,982,612										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	8,424,070	8,407,121	8,506,121	8,510,922	8,515,922	8,530,922	8,530,922	8,512,724	8,512,724
12/31/2000	9,109,788	9,035,332	9,071,627	9,108,127	9,097,875	9,078,125	9,203,125	9,173,125	
12/31/2001	9,480,470	9,479,470	9,521,370	9,478,470	9,458,835	9,434,595	9,541,595		
12/31/2002	10,498,445	10,511,444	10,518,974	10,638,973	10,538,974	10,543,975			
12/31/2003	9,465,207	9,455,208	9,455,207	9,465,207	9,458,012				
12/31/2004	8,244,074	8,242,431	8,242,431	8,242,431					
12/31/2005	7,704,612	7,696,145	7,698,145						
12/31/2006	7,557,198	7,557,198							
12/31/2007	6,874,507								

LOCAL PRODUCTS (Subline Code 336)

FULL COVERAGE

MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.280	1.115	1.071	1.018	0.961	0.985	1.015	0.994	1.002	1.005	0.998
12/31/2000	1.257	1.132	1.130	0.909	0.996	0.996	1.006	0.991	1.002	0.998	1.011
12/31/2001	1.250	1.175	1.033	0.987	1.027	1.005	0.988	1.005	0.996	1.005	1.001
12/31/2002	1.172	1.183	1.131	0.990	0.994	0.999	1.003	1.000	1.000	1.010	0.997
12/31/2003	1.399	1.359	1.066	1.044	0.991	0.978	0.989	1.001	1.009	0.988	0.999
12/31/2004	1.211	1.198	1.093	0.970	0.961	1.009	0.981	1.005	1.003	0.997	1.000
12/31/2005	1.053	1.221	1.016	0.987	0.993	0.998	1.005	0.986	0.997	1.000	1.001
12/31/2006	1.204	1.240	0.987	0.974	0.978	0.976	1.001	1.008	1.000	1.000	1.000
12/31/2007	1.170	1.211	0.989	1.016	0.992	0.979	0.969	0.984	1.002	1.000	1.000
12/31/2008	1.229	1.129	0.958	0.968	1.017	1.002	0.984	1.000	1.007	1.000	
12/31/2009	1.119	1.215	1.013	0.989	0.999	0.992	1.003	1.000	1.000		
12/31/2010	1.204	1.197	1.008	1.029	0.984	0.996	1.000	1.000			
12/31/2011	1.152	1.109	1.059	0.987	0.984	0.993	0.987				
12/31/2012	1.265	1.171	1.043	1.007	0.995	0.992					
12/31/2013	1.188	1.132	0.995	0.983	1.001						
12/31/2014	1.193	1.068	1.026	1.000							
12/31/2015	1.060	1.131	1.079								
12/31/2016	1.345	1.334									
12/31/2017	1.369										
3 Yr Mean	1.258	1.178	1.033	0.997	0.993	0.994	0.997	1.000	1.003	1.000	1.000
Best 3/5	1.242	1.145	1.043	0.998	0.993	0.994	0.990	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			
12/31/1999	0.998	1.012	1.001	1.001	1.002	1.000	0.998	1.000			
12/31/2000	0.992	1.004	1.004	0.999	0.998	1.014	0.997	1.000 *			
12/31/2001	1.000	1.004	0.995	0.998	0.997	1.011	1.003 *	1.000 *			
12/31/2002	1.001	1.001	1.011	0.991	1.000	0.999 *	1.003 *	1.000 *			
12/31/2003	0.999	1.000	1.001	0.999	0.999 *	0.999 *	1.003 *	1.000 *			
12/31/2004	1.000	1.000	1.000								
12/31/2005	0.999	1.000									
12/31/2006	1.000										
3 Yr Mean	1.000	1.000	1.004	0.996	0.998 @	1.008 @	0.998 @	1.000 @			
Best 3/5	1.000	1.000	1.002	0.999	0.999 *	1.003 *	1.001 *	1.000 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2015				0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2016			1.043	0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2017		1.145	1.043	0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2018	1.242	1.145	1.043	0.998	0.993	0.994	0.990	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/U1t	FACTORS
12/31/2014	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	0.982
12/31/2015	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	0.980
12/31/2016	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	1.022
12/31/2017	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	1.170
12/31/2018	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	1.454

* 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:											
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
12/31/1999	357,147	246,142	223,437	219,338	221,172	221,172	221,172	221,172	221,172	221,172	221,172
12/31/2000	313,656	527,947	556,053	475,991	500,991	490,335	486,335	487,335	487,335	486,335	521,335
12/31/2001	278,206	352,745	423,834	497,226	463,174	463,174	453,174	453,174	453,174	466,578	466,578
12/31/2002	396,353	425,131	379,361	487,852	474,098	435,359	435,358	435,358	435,358	435,358	435,358
12/31/2003	136,107	223,208	194,856	249,570	167,177	98,892	100,392	75,291	75,291	75,291	75,291
12/31/2004	426,879	386,565	768,260	1,012,432	611,871	613,151	590,752	590,751	590,751	590,751	590,751
12/31/2005	535,698	701,320	1,015,466	911,971	807,001	889,418	889,417	889,467	889,467	890,096	890,096
12/31/2006	402,493	741,418	759,635	666,429	694,212	693,655	693,655	693,655	693,655	693,655	693,655
12/31/2007	355,039	497,801	855,370	821,579	771,410	761,510	761,510	767,510	767,510	767,510	761,510
12/31/2008	525,801	362,912	467,874	427,853	351,603	368,464	367,964	367,964	367,964	367,964	367,964
12/31/2009	266,620	294,750	308,023	241,039	337,719	338,719	338,619	338,630	338,619	338,619	
12/31/2010	428,140	317,606	396,643	284,143	289,473	289,473	289,473	283,473	283,473		
12/31/2011	377,122	632,936	765,902	820,402	827,902	811,503	898,003	898,003			
12/31/2012	330,321	456,809	556,018	580,856	715,382	669,186	669,186				
12/31/2013	324,760	426,869	456,567	606,205	621,994	521,520					
12/31/2014	856,109	1,073,449	956,310	1,139,407	1,089,407						
12/31/2015	602,349	778,768	834,080	1,028,194							
12/31/2016	426,205	566,004	827,794								
12/31/2017	448,173	1,292,407									
12/31/2018	387,906										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	221,172	221,172	247,673	247,673	247,673	247,673	247,673	247,673	248,578
12/31/2000	504,435	504,936	571,270	560,254	566,376	565,418	561,417	542,080	
12/31/2001	466,578	463,774	505,428	505,428	480,116	475,915	559,769		
12/31/2002	435,358	435,358	435,358	427,858	427,858	427,858			
12/31/2003	75,291	75,291	75,291	75,291	81,916				
12/31/2004	590,754	590,751	590,751	590,751					
12/31/2005	890,096	890,096	890,096						
12/31/2006	693,655	693,685							
12/31/2007	761,510								

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
12/31/1999	0.689	0.908	0.982	1.008	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2000	1.683	1.053	0.856	1.053	0.979	0.992	1.002	1.000	0.998	1.072	0.968
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	1.073	0.892	1.286	0.972	0.918	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	1.640	0.873	1.281	0.670	0.592	1.015	0.750	1.000	1.000	1.000	1.000
12/31/2004	0.906	1.987	1.318	0.604	1.002	0.963	1.000	1.000	1.000	1.000	1.000
12/31/2005	1.309	1.448	0.898	0.885	1.102	1.000	1.000	1.000	1.001	1.000	1.000
12/31/2006	1.842	1.025	0.877	1.042	0.999	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007	1.402	1.718	0.960	0.939	0.987	1.000	1.008	1.000	1.000	0.992	1.000
12/31/2008	0.690	1.289	0.914	0.822	1.048	0.999	1.000	1.000	1.000	1.000	
12/31/2009	1.106	1.045	0.783	1.401	1.003	1.000	1.000	1.000	1.000		
12/31/2010	0.742	1.249	0.716	1.019	1.000	1.000	0.979	1.000			
12/31/2011	1.678	1.210	1.071	1.009	0.980	1.107	1.000				
12/31/2012	1.383	1.217	1.045	1.232	0.935	1.000					
12/31/2013	1.314	1.070	1.328	1.026	0.838						
12/31/2014	1.254	0.891	1.191	0.956							
12/31/2015	1.293	1.071	1.233								
12/31/2016	1.328	1.463									
12/31/2017	2.884										
3 Yr Mean	1.835	1.142	1.251	1.071	0.918	1.036	0.993	1.000	1.000	0.997	1.000
Best 3/5	1.312	1.119	1.165	1.018	0.972	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			
12/31/1999	1.000	1.120	1.000	1.000	1.000	1.000	1.000	1.004			
12/31/2000	1.001	1.131	0.981	1.011	0.998	0.993	0.966	0.999 *			
12/31/2001	0.994	1.090	1.000	0.950	0.991	1.176	0.999 *	0.999 *			
12/31/2002	1.000	1.000	0.983	1.000	1.000	0.999 *	0.999 *	0.999 *			
12/31/2003	1.000	1.000	1.000	1.088	1.004 *	0.999 *	0.999 *	0.999 *			
12/31/2004	1.000	1.000	1.000								
12/31/2005	1.000	1.000									
12/31/2006	1.000										
3 Yr Mean	1.000	1.000	0.994	1.013	0.996 @	1.056 @	0.983 @	1.004 @			
Best 3/5	1.000	1.000	0.994	1.004	0.999 *	0.999 *	0.999 *	0.999 *			

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
12/31/2014					0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2015				1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2016			1.165	1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2017		1.119	1.165	1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2018	1.312	1.119	1.165	1.018	0.972	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/U1t	FACTORS
12/31/2014	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	0.962
12/31/2015	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	0.980
12/31/2016	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	1.141
12/31/2017	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	1.277
12/31/2018	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	1.676

* 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>
12/31/1999	778,081	1,683,697	2,225,782	3,069,536	3,437,968	3,442,907	3,541,657	3,934,735	3,931,369	3,968,930	3,979,748
12/31/2000	1,045,243	1,520,295	2,429,255	3,731,523	4,469,662	4,828,234	4,977,128	4,920,617	4,961,264	4,979,456	5,005,127
12/31/2001	934,953	1,971,556	3,436,205	4,320,115	5,433,123	5,931,830	6,835,823	7,087,364	7,340,810	7,177,505	7,333,670
12/31/2002	1,614,509	2,423,104	3,765,270	4,502,974	5,508,908	5,847,872	5,968,163	6,118,858	6,181,039	6,184,554	6,282,700
12/31/2003	739,154	1,535,315	2,390,516	3,072,303	3,908,152	4,276,475	4,454,629	4,432,746	4,441,994	4,477,242	4,551,208
12/31/2004	683,625	1,429,228	2,426,622	3,084,970	3,618,994	3,825,965	3,968,670	4,110,763	4,108,705	4,107,920	4,108,665
12/31/2005	535,061	1,209,728	2,207,724	2,754,521	3,885,922	3,193,301	3,318,523	3,328,446	3,324,675	3,305,488	3,305,518
12/31/2006	652,567	1,564,105	2,661,008	3,729,388	4,330,201	4,747,517	4,855,758	4,812,874	4,846,184	4,841,505	4,841,505
12/31/2007	627,439	1,484,311	2,776,866	3,352,762	3,947,746	4,209,996	4,404,857	4,243,255	4,281,515	4,277,394	4,279,530
12/31/2008	563,620	1,274,355	2,586,309	3,123,872	3,357,018	3,471,156	3,542,133	3,572,329	3,586,603	3,590,643	3,590,643
12/31/2009	585,015	1,497,728	3,302,450	3,339,250	3,961,355	3,918,666	3,929,406	3,943,062	3,941,217	3,951,547	
12/31/2010	917,867	1,834,899	3,240,511	4,548,548	5,658,899	5,851,891	5,786,418	5,793,827	5,816,358		
12/31/2011	717,665	1,345,682	2,434,473	3,596,587	4,155,193	4,485,469	4,636,342	4,649,481			
12/31/2012	573,328	1,514,295	3,204,137	4,066,515	4,481,390	4,839,973	4,930,584				
12/31/2013	919,825	2,006,991	3,279,382	4,322,482	4,947,403	5,416,463					
12/31/2014	750,099	1,411,700	2,243,492	2,705,567	2,943,701						
12/31/2015	539,990	1,048,895	1,792,918	2,558,970							
12/31/2016	457,616	1,166,998	2,266,878								
12/31/2017	484,595	1,390,207									
12/31/2018	634,766										

<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>
12/31/1999	4,011,271	4,025,072	4,216,013	4,246,726	4,194,975	4,210,736	4,224,824	4,225,201	4,225,202
12/31/2000	5,404,432	5,169,291	5,239,408	5,292,147	5,354,338	5,377,591	5,420,969	5,465,151	
12/31/2001	7,438,804	7,607,614	7,717,841	7,860,860	8,044,771	8,181,952	8,241,025		
12/31/2002	6,335,393	6,399,152	6,404,975	6,670,033	6,441,505	6,454,006			
12/31/2003	4,531,498	4,531,498	4,529,391	4,579,391	4,571,628				
12/31/2004	4,105,865	4,128,532	4,125,411	4,125,739					
12/31/2005	3,305,518	3,335,965	3,359,026						
12/31/2006	4,841,505	4,841,645							
12/31/2007	4,278,597								

LOCAL 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
12/31/1999	905,616	542,085	843,754	368,432	4,939	98,750	393,078	-3,366	37,561	10,818	31,523	13,801	190,941
12/31/2000	475,052	908,960	1,302,268	738,139	358,572	148,894	-56,511	40,647	18,192	25,671	399,305	-235,141	70,117
12/31/2001	1,036,603	1,464,649	883,910	1,113,008	498,707	903,993	251,541	253,446	-163,305	156,165	105,134	168,810	110,227
12/31/2002	808,595	1,342,166	737,704	1,005,934	338,964	120,291	150,695	62,181	3,515	98,146	52,693	63,759	5,823
12/31/2003	796,161	855,201	681,787	835,849	368,323	178,154	-21,883	9,248	35,248	73,966	-19,710	0	-2,107
12/31/2004	745,603	997,394	658,348	534,024	206,971	142,705	142,093	-2,058	-785	745	-2,800	22,667	-3,121
12/31/2005	674,667	997,996	546,797	1,131,401	-692,621	125,222	9,923	-3,771	-19,187	30	0	30,447	23,061
12/31/2006	911,538	1,096,903	1,068,380	600,813	417,316	108,241	-42,884	33,310	-4,679	0	0	140	
12/31/2007	856,872	1,292,555	575,896	594,984	262,250	194,861	-161,602	38,260	-4,121	2,136	-933		
12/31/2008	710,735	1,311,954	537,563	233,146	114,138	70,977	30,196	14,274	4,040	0			
12/31/2009	912,713	1,804,722	36,800	622,105	-42,689	10,740	13,656	-1,845	10,330				
12/31/2010	917,032	1,405,612	1,308,037	1,110,351	192,992	-65,473	7,409	22,531					
12/31/2011	628,017	1,088,791	1,162,114	558,606	330,276	150,873	13,139						
12/31/2012	940,967	1,689,842	862,378	414,875	358,583	90,611							
12/31/2013	1,087,166	1,272,391	1,043,100	624,921	469,060								
12/31/2014	661,601	831,792	462,075	238,134									
12/31/2015	508,905	744,023	766,052										
12/31/2016	709,382	1,099,880											
12/31/2017	905,612												

	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	
12/31/1999	0.0742	0.0444	0.0692	0.0302	0.0004	0.0081	0.0322	-0.0003	0.0031	0.0009	0.0026	0.0011	0.0157	
12/31/2000	0.0357	0.0684	0.0980	0.0555	0.0270	0.0112	-0.0043	0.0031	0.0014	0.0019	0.0300	-0.0177	0.0053	
12/31/2001	0.0772	0.1090	0.0658	0.0829	0.0371	0.0673	0.0187	0.0189	-0.0122	0.0116	0.0078	0.0126	0.0082	
12/31/2002	0.0470	0.0781	0.0429	0.0585	0.0197	0.0070	0.0088	0.0036	0.0002	0.0057	0.0031	0.0037	0.0003	
12/31/2003	0.0513	0.0551	0.0439	0.0538	0.0237	0.0115	-0.0014	0.0006	0.0023	0.0048	-0.0013	0.0000	-0.0001	
12/31/2004	0.0640	0.0857	0.0566	0.0459	0.0178	0.0123	0.0122	-0.0002	-0.0001	0.0001	-0.0002	0.0019	-0.0003	
12/31/2005	0.0581	0.0859	0.0471	0.0974	-0.0596	0.0108	0.0009	-0.0003	-0.0017	0.0000	0.0000	0.0026	0.0020	
12/31/2006	0.0768	0.0925	0.0901	0.0506	0.0352	0.0091	-0.0036	0.0028	-0.0004	0.0000	0.0000	0.0000		
12/31/2007	0.0666	0.1005	0.0448	0.0463	0.0204	0.0151	-0.0126	0.0030	-0.0003	0.0002	-0.0001			
12/31/2008	0.0554	0.1023	0.0419	0.0182	0.0089	0.0055	0.0024	0.0011	0.0003	0.0000				
12/31/2009	0.0703	0.1390	0.0028	0.0479	-0.0033	0.0008	0.0011	-0.0001	0.0008					
12/31/2010	0.0607	0.0930	0.0866	0.0735	0.0128	-0.0043	0.0005	0.0015						
12/31/2011	0.0439	0.0761	0.0812	0.0390	0.0231	0.0105	0.0009							
12/31/2012	0.0791	0.1421	0.0725	0.0349	0.0302	0.0076								
12/31/2013	0.0976	0.1143	0.0937	0.0561	0.0421									
12/31/2014	0.0682	0.0858	0.0476	0.0246										
12/31/2015	0.0438	0.0640	0.0659											
12/31/2016	0.0525	0.0813												
12/31/2017	0.0620													

Best 3/5	0.0609	0.0938	0.0732	0.0433	0.0220	0.0047	0.0008	0.0018	-0.0001	0.0000	-0.0001	0.0015	0.0007
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LOCAL PRODUCTS (Subline Code 336)
 FULL COVERAGE
 MULTISTATE
 BODILY INJURY - 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>
12/31/1999	1.007	0.988	1.004	1.003	1.000	1.000	1.019 *
12/31/2000	1.010	1.012	1.004	1.008	1.008	1.005 *	1.019 *
12/31/2001	1.019	1.023	1.017	1.007	1.005 *	1.005 *	1.019 *
12/31/2002	1.041	0.966	1.002	1.003 *	1.005 *	1.005 *	1.019 *
12/31/2003	1.011	0.998	0.999 *	1.003 *	1.005 *	1.005 *	1.019 *
12/31/2004	1.000						
Best 3/5	1.013	0.999	1.003 *	1.005 *	1.005 *	1.005 *	1.019 *

171 to Ultimate Factor: 1.050

<u>Months-to-Ultimate</u>	<u>Cumulative Incremental Factors</u>						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.303	0.242	0.148	0.075	0.031	0.009	0.005
<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	0.002	0.002	0.001	0.000

<u>A.Y.E</u>	<u>Reported ALAE</u> <u>as of 3/31/19</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>
12/31/2016	2,509,692	15,512,724	0.148	2,295,882	4,805,574	1.050	5,045,702
12/31/2017	1,295,863	15,939,944	0.242	3,857,468	5,153,331	1.050	5,410,843
12/31/2018	453,054	9,717,099	0.303	2,944,277	3,397,331	1.050	3,567,056

* Calculated Using Modified Bondy Method

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

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	1,572,065	1,987,939	2,042,232	2,211,684	2,206,231	2,199,548	2,303,744	2,276,465	2,293,317	2,238,872	2,256,844
12/31/2000	2,115,148	2,324,418	2,530,971	2,623,392	2,812,834	3,161,406	3,018,819	3,039,295	3,201,971	3,281,154	3,289,070
12/31/2001	1,627,013	1,654,011	1,972,348	2,039,048	1,900,818	1,952,852	2,119,627	2,292,203	2,299,929	2,337,585	2,345,731
12/31/2002	1,530,717	1,727,573	1,876,362	1,886,504	1,836,568	1,863,842	1,922,590	1,938,029	1,988,648	1,998,770	2,063,155
12/31/2003	1,321,533	1,887,161	2,163,441	2,172,909	2,449,305	2,450,817	2,487,331	2,501,397	2,506,543	2,547,183	2,557,986
12/31/2004	2,137,719	2,399,596	2,432,571	2,373,608	2,438,915	2,430,493	2,374,120	2,402,603	2,423,452	2,431,935	2,426,902
12/31/2005	2,865,381	3,103,309	3,333,662	3,422,623	3,483,267	3,365,079	3,378,435	3,424,923	3,434,293	3,428,003	3,428,281
12/31/2006	3,072,125	3,517,399	3,516,881	3,550,710	3,565,561	3,714,164	3,722,919	3,896,127	3,943,556	4,000,352	4,013,426
12/31/2007	2,844,645	2,853,095	2,933,768	3,269,723	3,545,542	3,514,845	3,597,290	3,574,891	3,567,151	3,540,362	3,549,074
12/31/2008	3,600,421	3,870,935	3,993,658	4,085,032	4,277,221	4,524,770	4,780,726	5,135,464	5,377,606	5,432,551	5,399,596
12/31/2009	3,534,085	3,753,341	3,751,263	3,780,076	3,763,549	3,990,026	3,999,860	4,145,232	4,210,482	4,240,123	
12/31/2010	4,401,926	4,575,257	4,861,935	4,838,710	4,442,350	4,679,912	4,681,113	4,616,073	4,635,092		
12/31/2011	4,091,786	4,327,021	4,618,039	4,544,531	4,651,918	4,844,335	4,801,436	4,878,153			
12/31/2012	3,868,440	4,015,567	3,840,908	3,695,235	3,852,599	3,849,831	3,901,446				
12/31/2013	3,562,555	3,598,755	4,135,664	4,002,305	4,028,293	4,107,933					
12/31/2014	3,323,473	3,533,086	3,456,269	3,653,060	3,622,449						
12/31/2015	4,560,156	4,854,521	5,463,196	5,478,878							
12/31/2016	4,374,337	4,459,644	4,829,183								
12/31/2017	4,261,821	4,407,193									
12/31/2018	4,851,824										
<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>		
12/31/1999	2,269,121	2,294,943	2,305,226	2,279,715	2,344,614	2,345,815	2,343,314	2,343,314	2,347,988		
12/31/2000	3,295,715	3,288,963	3,292,462	3,285,460	3,285,459	3,283,459	3,283,459	3,283,459			
12/31/2001	2,333,120	2,290,449	2,295,943	2,297,122	2,309,129	2,309,129	2,309,128				
12/31/2002	2,045,051	2,110,693	2,107,568	2,116,168	2,133,461	2,132,211					
12/31/2003	2,598,043	2,580,329	2,566,579	2,589,074	2,589,074						
12/31/2004	2,402,124	2,408,903	2,521,395	2,506,394							
12/31/2005	3,422,181	3,407,940	3,407,940								
12/31/2006	4,065,946	4,050,802									
12/31/2007	3,551,076										

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
12/31/1999	1.265	1.027	1.083	0.998	0.997	1.047	0.988	1.007	0.976	1.008	1.005
12/31/2000	1.099	1.089	1.037	1.072	1.124	0.955	1.007	1.054	1.025	1.002	1.002
12/31/2001	1.017	1.192	1.034	0.932	1.027	1.085	1.081	1.003	1.016	1.003	0.995
12/31/2002	1.129	1.086	1.005	0.974	1.015	1.032	1.008	1.026	1.005	1.032	0.991
12/31/2003	1.428	1.146	1.004	1.127	1.001	1.015	1.006	1.002	1.016	1.004	1.016
12/31/2004	1.123	1.014	0.976	1.028	0.997	0.977	1.012	1.009	1.004	0.998	0.990
12/31/2005	1.083	1.074	1.027	1.018	0.966	1.004	1.014	1.003	0.998	1.000	0.998
12/31/2006	1.145	1.000	1.010	1.004	1.042	1.002	1.047	1.012	1.014	1.003	1.013
12/31/2007	1.003	1.028	1.115	1.084	0.991	1.023	0.994	0.998	0.992	1.002	1.001
12/31/2008	1.075	1.032	1.023	1.047	1.058	1.057	1.074	1.047	1.010	0.994	
12/31/2009	1.062	0.999	1.008	0.996	1.060	1.002	1.036	1.016	1.007		
12/31/2010	1.039	1.063	0.995	0.918	1.053	1.000	0.986	1.004			
12/31/2011	1.057	1.067	0.984	1.024	1.041	0.991	1.016				
12/31/2012	1.038	0.957	0.962	1.043	0.999	1.013					
12/31/2013	1.010	1.149	0.968	1.006	1.020						
12/31/2014	1.063	0.978	1.057	0.992							
12/31/2015	1.065	1.125	1.003								
12/31/2016	1.020	1.083									
12/31/2017	1.034										

3 Yr Mean 1.040 1.062 1.009 1.014 1.020 1.001 1.013 1.022 1.003 1.000 1.004

Best 3/5 1.039 1.062 0.985 1.007 1.038 1.005 1.015 1.011 1.005 1.000 1.004

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1999	1.011	1.004	0.989	1.028	1.001	0.999	1.000	1.002
12/31/2000	0.998	1.001	0.998	1.000	0.999	1.000	1.000	1.000 *
12/31/2001	0.982	1.002	1.001	1.005	1.000	1.000	1.000 *	1.000 *
12/31/2002	1.032	0.999	1.004	1.008	0.999	1.000 *	1.000 *	1.000 *
12/31/2003	0.993	0.995	1.009	1.000	1.004 *	1.000 *	1.000 *	1.000 *
12/31/2004	1.003	1.047	0.994					
12/31/2005	0.996	1.000						
12/31/2006	0.996							

3 Yr Mean 0.998 1.014 1.002 1.004 0.999 @ 1.000 @ 1.000 @ 1.002 @

Best 3/5 0.998 1.000 1.001 1.004 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
12/31/2014					1.038	1.005	1.015	1.011	1.005	1.000	1.004
12/31/2015				1.007	1.038	1.005	1.015	1.011	1.005	1.000	1.004
12/31/2016			0.985	1.007	1.038	1.005	1.015	1.011	1.005	1.000	1.004
12/31/2017		1.062	0.985	1.007	1.038	1.005	1.015	1.011	1.005	1.000	1.004
12/31/2018	1.039	1.062	0.985	1.007	1.038	1.005	1.015	1.011	1.005	1.000	1.004

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	0.998	1.000	1.001	1.004	1.000	1.000	1.000	1.000	1.000*	1.083
12/31/2015	0.998	1.000	1.001	1.004	1.000	1.000	1.000	1.000	1.000*	1.091
12/31/2016	0.998	1.000	1.001	1.004	1.000	1.000	1.000	1.000	1.000*	1.075
12/31/2017	0.998	1.000	1.001	1.004	1.000	1.000	1.000	1.000	1.000*	1.141
12/31/2018	0.998	1.000	1.001	1.004	1.000	1.000	1.000	1.000	1.000*	1.186

* 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:											
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
12/31/1999	120,168	311,306	312,394	277,393	303,006	287,030	267,972	267,474	274,472	267,472	267,472
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	211,169	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	298,214	270,546	283,673	398,283	518,855	600,389	644,503	716,619	797,603	987,207	1,083,677
12/31/2004	267,359	144,698	230,234	354,867	441,630	632,353	616,235	904,464	1,008,422	1,087,637	1,296,374
12/31/2005	171,817	242,042	293,021	372,892	413,788	517,693	577,501	578,079	622,969	1,071,187	1,185,450
12/31/2006	278,672	268,892	383,670	529,121	648,904	746,115	720,042	744,136	932,230	1,066,447	970,261
12/31/2007	336,478	539,242	569,442	510,576	480,010	471,031	474,898	571,898	569,048	565,826	565,826
12/31/2008	281,982	200,447	330,593	329,110	331,110	329,110	429,110	429,110	422,611	442,611	513,281
12/31/2009	177,301	176,935	144,535	143,435	143,535	250,348	250,248	350,248	350,248	350,918	
12/31/2010	258,564	260,233	259,733	263,829	357,829	357,829	357,829	357,829	357,829		
12/31/2011	280,389	309,310	282,139	303,639	281,728	291,728	283,728	283,728			
12/31/2012	261,577	237,466	244,631	252,528	238,888	263,888	268,902				
12/31/2013	484,229	529,028	523,333	708,674	689,763	739,763					
12/31/2014	399,307	500,486	493,548	589,554	564,554						
12/31/2015	651,157	644,581	623,070	644,969							
12/31/2016	899,662	1,029,846	1,085,929								
12/31/2017	827,278	1,120,224									
12/31/2018	1,186,664										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	267,472	267,472	267,472	267,472	267,472	267,472	267,472	267,472	267,472
12/31/2000	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		
12/31/2002	566,252	561,006	561,362	567,567	567,567	580,067			
12/31/2003	1,277,496	1,297,868	1,219,478	1,168,621	1,170,312				
12/31/2004	1,288,735	1,183,053	1,176,984	1,176,939					
12/31/2005	1,174,440	1,184,550	1,153,446						
12/31/2006	943,991	917,548							
12/31/2007	565,826								

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
12/31/1999	2.591	1.003	0.888	1.092	0.947	0.934	0.998	1.026	0.974	1.000	1.000
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	1.141	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	0.907	1.049	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	0.965	1.427	1.379	1.226	1.150	0.965	1.033	1.253	1.144	0.910	0.973
12/31/2007	1.603	1.056	0.897	0.940	0.981	1.008	1.204	0.995	0.994	1.000	1.000
12/31/2008	0.711	1.649	0.996	1.006	0.994	1.304	1.000	0.985	1.047	1.160	
12/31/2009	0.998	0.817	0.992	1.001	1.744	1.000	1.400	1.000	1.002		
12/31/2010	1.006	0.998	1.016	1.356	1.000	1.000	1.000	1.000			
12/31/2011	1.103	0.912	1.076	0.928	1.035	0.973	1.000				
12/31/2012	0.908	1.030	1.032	0.946	1.105	1.019					
12/31/2013	1.093	0.989	1.354	0.973	1.072						
12/31/2014	1.253	0.986	1.195	0.958							
12/31/2015	0.990	0.967	1.035								
12/31/2016	1.145	1.054									
12/31/2017	1.354										
3 Yr Mean	1.163	1.002	1.195	0.959	1.071	0.997	1.133	0.995	1.014	1.023	0.988
Best 3/5	1.164	1.002	1.102	0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
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	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2004	0.918	0.995	1.000								
12/31/2005	1.009	0.974									
12/31/2006	0.972										
3 Yr Mean	0.966	0.970	0.990	1.000	1.007 @	1.000 @	1.000 @	1.000 @			
Best 3/5	0.991	0.990	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
12/31/2014					1.071	1.006	1.068	0.998	1.064	1.089	0.995
12/31/2015				0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995
12/31/2016			1.102	0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995
12/31/2017		1.002	1.102	0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995
12/31/2018	1.164	1.002	1.102	0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	0.991	0.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.299
12/31/2015	0.991	0.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.246
12/31/2016	0.991	0.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.373
12/31/2017	0.991	0.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.375
12/31/2018	0.991	0.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.601

* 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:

A.Y.E	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	175,962	337,067	603,218	766,736	829,718	913,941	1,046,577	1,114,788	1,225,802	1,299,160	1,419,449
12/31/2000	296,826	494,491	719,707	875,557	1,098,543	1,354,409	1,774,260	1,993,516	2,167,348	2,467,181	2,637,675
12/31/2001	215,738	308,467	519,028	745,233	889,414	1,124,956	1,569,336	1,900,119	1,850,659	2,030,128	2,144,753
12/31/2002	181,573	336,689	516,639	789,100	849,839	945,579	1,024,135	1,048,926	1,048,930	1,246,269	1,436,592
12/31/2003	62,113	673,928	986,248	1,144,420	1,298,178	1,335,195	1,393,897	1,481,118	1,554,563	1,656,480	1,738,610
12/31/2004	167,304	321,683	486,041	683,212	806,857	976,396	996,498	1,017,912	1,049,334	1,057,515	1,082,518
12/31/2005	253,597	339,712	638,381	830,454	883,207	971,737	1,036,702	1,160,410	1,154,925	1,154,235	1,158,544
12/31/2006	163,787	400,897	684,328	992,786	1,282,472	1,629,231	1,711,002	2,010,531	2,032,986	2,122,926	2,121,410
12/31/2007	417,051	916,386	1,275,876	1,993,790	2,327,394	2,728,898	2,688,954	2,922,085	2,992,037	2,971,434	2,844,669
12/31/2008	432,158	1,008,781	1,482,874	2,545,803	3,513,742	5,724,763	8,226,270	9,650,053	9,635,341	9,039,353	8,541,384
12/31/2009	669,778	1,158,892	1,293,628	1,325,606	1,483,463	1,554,594	1,865,411	2,047,404	2,072,131	2,083,608	
12/31/2010	206,816	417,432	737,016	1,095,412	1,201,636	1,364,842	1,570,725	1,721,918	1,747,732		
12/31/2011	375,297	711,308	1,088,123	1,469,027	1,778,030	1,798,131	1,825,741	1,945,882			
12/31/2012	243,253	514,030	871,633	1,011,844	1,209,336	1,393,816	1,505,186				
12/31/2013	421,368	564,593	819,183	1,037,223	1,260,372	1,453,214					
12/31/2014	209,021	430,370	648,625	835,804	1,031,093						
12/31/2015	421,366	854,828	1,218,105	1,494,217							
12/31/2016	316,772	623,887	951,724								
12/31/2017	434,035	697,477									
12/31/2018	449,211										

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>
12/31/1999	1,537,925	1,607,394	1,767,931	1,890,569	1,907,615	1,908,341	1,908,403	1,908,403	1,908,403
12/31/2000	2,787,050	2,899,751	2,965,261	2,912,071	2,936,607	2,961,607	2,956,072	2,956,268	
12/31/2001	2,273,390	2,360,582	2,388,452	2,478,063	2,704,552	2,704,552	2,704,552		
12/31/2002	1,528,483	1,801,105	1,959,947	1,990,934	1,990,659	1,990,659			
12/31/2003	1,763,964	1,818,157	1,841,439	1,885,380	1,885,380				
12/31/2004	1,077,537	1,084,479	1,114,207	1,114,207					
12/31/2005	1,335,545	1,211,377	1,222,969						
12/31/2006	2,220,899	2,259,651							
12/31/2007	2,845,553								

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>
12/31/1999	161,105	266,151	163,518	62,982	84,223	132,636	68,211	111,014	73,358	120,289	118,476	69,469	160,537
12/31/2000	197,665	225,216	155,850	222,986	255,866	419,851	219,256	173,832	299,833	170,494	149,375	112,701	65,510
12/31/2001	92,729	210,561	226,205	144,181	235,542	444,380	330,783	-49,460	179,469	114,625	128,637	87,192	27,870
12/31/2002	155,116	179,950	272,461	60,739	95,740	78,556	24,791	4	197,339	190,323	91,891	272,622	158,842
12/31/2003	611,815	312,320	158,172	153,758	37,017	58,702	87,221	73,445	101,917	82,130	25,354	54,193	23,282
12/31/2004	154,379	164,358	197,171	123,645	169,539	20,102	21,414	31,422	8,181	25,003	-4,981	6,942	29,728
12/31/2005	86,115	298,669	192,073	52,753	88,530	64,965	123,708	-5,485	-690	4,309	177,001	-124,168	11,592
12/31/2006	237,110	283,431	308,458	289,686	346,759	81,771	299,529	22,455	89,940	-1,516	99,489	38,752	
12/31/2007	499,335	359,490	717,914	333,604	401,504	-39,944	233,131	69,952	-20,603	-126,765	884		
12/31/2008	576,623	474,093	1,062,929	967,939	2,211,021	2,501,507	1,423,783	-14,712	-595,988	-497,969			
12/31/2009	489,114	134,736	31,978	157,857	71,131	310,817	181,993	24,727	11,477				
12/31/2010	210,616	319,584	358,396	106,224	163,206	205,883	151,193	25,814					
12/31/2011	336,011	376,815	380,904	309,003	20,101	27,610	120,141						
12/31/2012	270,777	357,603	140,211	197,492	184,480	111,370							
12/31/2013	143,225	254,590	218,040	223,149	192,842								
12/31/2014	221,349	218,255	187,179	195,289									
12/31/2015	433,462	363,277	276,112										
12/31/2016	307,115	327,837											
12/31/2017	263,442												

	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>
12/31/1999	0.0569	0.0939	0.0577	0.0222	0.0297	0.0468	0.0241	0.0392	0.0259	0.0425	0.0418	0.0245	0.0567
12/31/2000	0.0470	0.0535	0.0370	0.0530	0.0608	0.0998	0.0521	0.0413	0.0713	0.0405	0.0355	0.0268	0.0156
12/31/2001	0.0296	0.0672	0.0722	0.0460	0.0751	0.1417	0.1055	-0.0158	0.0572	0.0366	0.0410	0.0278	0.0089
12/31/2002	0.0727	0.0844	0.1278	0.0285	0.0449	0.0368	0.0116	0.0000	0.0925	0.0892	0.0431	0.1278	0.0745
12/31/2003	0.2233	0.1140	0.0577	0.0561	0.0135	0.0214	0.0318	0.0268	0.0372	0.0300	0.0093	0.0198	0.0085
12/31/2004	0.0542	0.0577	0.0692	0.0434	0.0595	0.0071	0.0075	0.0110	0.0029	0.0088	-0.0017	0.0024	0.0104
12/31/2005	0.0220	0.0762	0.0490	0.0135	0.0226	0.0166	0.0316	-0.0014	-0.0002	0.0011	0.0452	-0.0317	0.0030
12/31/2006	0.0496	0.0593	0.0646	0.0606	0.0726	0.0171	0.0627	0.0047	0.0188	-0.0003	0.0208	0.0081	
12/31/2007	0.1070	0.0770	0.1539	0.0715	0.0861	-0.0086	0.0500	0.0150	-0.0044	-0.0272	0.0002		
12/31/2008	0.0943	0.0775	0.1738	0.1583	0.3616	0.4091	0.2328	-0.0024	-0.0975	-0.0814			
12/31/2009	0.1092	0.0301	0.0071	0.0353	0.0159	0.0694	0.0406	0.0055	0.0026				
12/31/2010	0.0418	0.0634	0.0711	0.0211	0.0324	0.0409	0.0300	0.0051					
12/31/2011	0.0582	0.0652	0.0660	0.0535	0.0035	0.0048	0.0208						
12/31/2012	0.0602	0.0795	0.0312	0.0439	0.0410	0.0248							
12/31/2013	0.0325	0.0577	0.0494	0.0506	0.0437								
12/31/2014	0.0447	0.0441	0.0378	0.0394									
12/31/2015	0.0606	0.0508	0.0386										
12/31/2016	0.0556	0.0593											
12/31/2017	0.0425												

Best 3/5	0.0476	0.0559	0.0419	0.0447	0.0298	0.0450	0.0402	0.0051	-0.0007	-0.0088	0.0101	0.0101	0.0093
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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>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	Link Ratios <u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>Ult:243</u>
12/31/1999	1.069	1.009	1.000	1.000	1.000	1.000	1.000 *
12/31/2000	0.982	1.008	1.009	0.998	1.000	1.000 *	1.000 *
12/31/2001	1.038	1.091	1.000	1.000	1.000 *	1.000 *	1.000 *
12/31/2002	1.016	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2003	1.024	1.000	1.003 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2004	1.000						
Best 3/5	1.013	1.006	1.001 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.020

	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>
	0.330	0.283	0.227	0.185	0.140	0.110	0.065
<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	0.020	0.021	0.029	0.019	0.009	0.000

<u>A.Y.E</u>	Reported ALAE <u>as of 3/31/19</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>
12/31/2016	1,038,405	6,508,581	0.227	1,477,453	2,515,858	1.020	2,566,027
12/31/2017	751,342	6,878,888	0.283	1,946,730	2,698,072	1.020	2,751,903
12/31/2018	468,262	6,885,795	0.330	2,272,314	2,740,576	1.020	2,795,243

* Calculated Using Modified Bondy Method

Multistate Review of ULAE Experience
General Liability Including CMP Liability
Loss Adjustment Expense Special Call
Calendar Years 2014 - 2018

<u>Item *</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2014 - 2018 Mean</u>
1. Direct Losses Incurred	\$20,338,262	\$25,301,890	\$26,175,083	\$23,084,643	\$26,920,048	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$5,287,378	\$6,141,101	\$5,079,567	\$6,058,484	\$5,902,031	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$2,425,208	\$2,534,792	\$2,658,432	\$2,367,750	\$2,313,863	
4. Incurred Losses + ALAE [(1) + (2)]	\$25,625,640	\$31,442,991	\$31,254,650	\$29,143,127	\$32,822,079	
		<u>Incurred Percentage</u>				
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	9.5%	8.1%	8.5%	8.1%	7.0%	8.2%
6. Selected	8.5%					

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) 7/1/2016 to 7/1/2021 AYE 12/31/2016	+ 1.3%	+ 2.7%	+ 2.6%
b) 7/1/2017 to 7/1/2021 AYE 12/31/2017	+ 1.4%	+ 2.6%	+ 2.5%
c) 7/1/2018 to 7/1/2021 AYE 12/31/2018	+ 1.3%	+ 2.2%	+ 2.1%
(2) <u>OCCURRENCE SEVERITY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>	
a) Fitted			
All Years	+ 5.7%	+ 3.5%	
Eight Years	+ 6.7%	+ 5.4%	
Six Years	+ 9.2%	+ 4.3%	
b) Selected	+ 4.0%	+ 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 12/31/2016, 12/31/2017 & 12/31/2018

(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			
2008	1			0.962				21.143				2015	1			1.024				24.773			
	2			0.958				21.357					2			1.026				24.921			
	3			0.956				21.604					3			1.028				25.023			
	4			0.957				21.880					4			1.030				25.178			
2009	1			0.961				22.128				2016	1			1.030				25.318			
	2			0.966				22.349					2			1.031				25.487			
	3			0.969				22.502					3			1.030				25.730			
	4			0.968				22.653					4			1.030				25.941			
2010	1			0.964				22.806				2017	1			1.033				26.147			
	2			0.962				22.928					2			1.034				26.313			
	3			0.962				23.080					3			1.037				26.511			
	4			0.965				23.208					4			1.040				26.704			
2011	1			0.968				23.312				2018	1			1.043				26.943			
	2			0.973				23.427					2			1.048				27.193			
	3			0.978				23.556					3			1.052				27.435			
	4			0.982				23.638					4			1.056				27.712			
2012	1			0.986				23.715				2019	1			1.059				27.933			
	2			0.990				23.794					2			1.062				28.157			
	3			0.995				23.873					3P			1.064				28.325			
	4			1.000				23.965					4P			1.067				28.475			
2013	1			1.004				24.062				2020	1P			1.071				28.653			
	2			1.006				24.140					2P			1.074				28.821			
	3			1.008				24.167					3P			1.076				29.007			
	4			1.010				24.208					4P			1.079				29.168			
2014	1			1.012				24.299				2021	1P			1.082				29.303			
	2			1.016				24.405					2P			1.087				29.417			
	3			1.019				24.538					3P			1.093				29.521			
	4			1.022				24.663					4P			1.099				29.627			
CHANGE IN EXPOSURES				LOCAL PRODUCTS				COMPLETED OPERATIONS															
7/1/2016 to 7/1/2021				(2021:4/2016:4)				1.067				1.142											
7/1/2017 to 7/1/2021				(2021:4/2017:4)				1.057				1.109											
7/1/2018 to 7/1/2021				(2021:4/2018:4)				1.041				1.069											
AVERAGE ANNUAL TREND FACTOR																							
7/1/2016 to 7/1/2021				(5.0 YRS)				1.013				1.027											
7/1/2017 to 7/1/2021				(4.0 YRS)				1.014				1.026											
7/1/2018 to 7/1/2021				(3.0 YRS)				1.013				1.022											

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

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OCCURRENCE SEVERITY TREND

MULTISTATE LOCAL PRODUCTS/COMPLETED OPERATIONS Calculation of Annual Trend Factor Based on Average Occurrence Severity Full Coverage Occurrence Data Monoline and Multiline Combined

Bodily Injury

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Paid Occurrences	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2009	\$35,775,810	1,479	\$24,189	\$24,191		
12/31/2010	44,999,023	1,604	28,054	25,560		
12/31/2011	40,432,132	1,479	27,337	27,007	\$25,780	
12/31/2012	40,816,210	1,424	28,663	28,536	27,512	
12/31/2013	42,848,649	1,487	28,816	30,151	29,360	\$27,244
12/31/2014	35,063,622	1,278	27,436	31,857	31,333	29,759
12/31/2015	36,960,783	1,120	33,001	33,660	33,438	32,506
12/31/2016	33,354,717	938	35,559	35,566	35,684	35,507
12/31/2017	35,206,034	911	38,645	37,579	38,081	38,785
12/31/2018	36,539,341	852	42,887	39,706	40,640	42,366

Goodness of Fit Statistic, R-Squared: 0.861 0.871 0.931

Average Annual Severity Trend (10 yr) + 5.7%

Average Annual Severity Trend (8 yr) + 6.7%

Average Annual Severity Trend (6 yr) + 9.2%

Selected Annual Severity Trend + 4.0%

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

NOTE: Trends are based on reported paid full coverage data developed to ultimate using paid development factors.

(See 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>
12/31/2009	\$171,599,073	5,363	\$31,997	\$27,870		
12/31/2010	162,088,894	5,596	28,965	28,832		
12/31/2011	143,780,168	5,451	26,377	29,827	\$27,455	
12/31/2012	138,274,454	4,775	28,958	30,856	28,935	
12/31/2013	125,890,106	4,034	31,207	31,922	30,495	\$31,484
12/31/2014	120,542,044	3,736	32,265	33,023	32,140	32,847
12/31/2015	130,180,780	3,786	34,385	34,163	33,873	34,268
12/31/2016	140,771,027	3,764	37,399	35,343	35,699	35,752
12/31/2017	136,155,412	3,595	37,874	36,563	37,624	37,299
12/31/2018	135,142,338	3,604	37,498	37,825	39,652	38,914
Goodness of Fit Statistic, R-Squared:				0.684	0.938	0.886
Average Annual Severity Trend (10 yr)				+ 3.5%		
Average Annual Severity Trend (8 yr)				+ 5.4%		
Average Annual Severity Trend (6 yr)				+ 4.3%		
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>
12/31/2005	\$ 263,801,627	7,217	27.36
12/31/2006	281,792,381	7,723	27.41
12/31/2007	281,008,214	7,678	27.32
12/31/2008	272,513,895	8,121	29.80
12/31/2009	260,718,485	8,145	31.24
12/31/2010	250,758,243	8,695	34.67
12/31/2011	252,148,652	8,334	33.05
12/31/2012	253,424,520	7,887	31.12
12/31/2013	255,938,198	7,534	29.44
12/31/2014	261,472,662	6,893	26.36
12/31/2015	270,738,295	6,705	24.77
12/31/2016	285,133,839	6,714	23.55
12/31/2017	297,471,141	6,484	21.80
12/31/2018	297,800,338	6,284	21.10

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 Mono / Multi 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 $\tilde{X}_{\text{monoline}}$ which is the column (5) total using column (1) as weights.

Note: \tilde{X} (X - tilde) is the 5 year Mono / Multi ALCCL weighted class group experience ratio, where

$\tilde{X}_{\text{monoline}}$ (X - tilde monoline) is weighted based on monoline / multiline ALCCL 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 1.005 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 * .961 * 1.134

CLASS	AYE 2018 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	122481	778337	1.16995	.2309	1.016	1.024	1.116	11.4	.044	.049
10145	46246	500346	.47646	.1847	.879	.886	.966	0.0	.009	.009
10146	14527	220214	.66245	.1321	.930	.938	1.022	0.0	.014	.014
10352	24316	188072	.56361	.1256	.919	.926	1.009	0.0	.054	.054
11039	309214	1895071	1.01065	.3736	.985	.993	1.082	8.1	.062	.067
11258	17742	76825	.28525	.1024	.900	.907	.988	-1.4	.215	.212
11259	68	1948	.00000	.0861	.887	.894	.974	-2.5	.121	.118
11288	62971	400280	1.02099	.1666	.979	.987	1.076	6.9	.072	.077
12374	264480	1275302	.96029	.3017	.967	.975	1.063	6.3	.063	.067
12375	107729	730975	.94732	.2234	.965	.973	1.060	5.9	.034	.036
13673	241468	1872355	1.31428	.3713	1.098	1.107	1.206	23.1	.013	.016
13720	19747	155637	.69308	.1190	.937	.945	1.030	3.9	.051	.053
14401	26822	203843	1.05317	.1288	.981	.989	1.078	7.5	.067	.072
15224	74989	542986	.76765	.1921	.931	.939	1.023	1.7	.058	.059
16900	402511	2400720	1.14807	.4222	1.045	1.053	1.148	14.5	.076	.087
16901	1575777	9558325	.99758	.7245	.990	.998	1.088	9.2	.109	.119
16902	134641	658861	.70561	.2117	.914	.921	1.004	0.0	.078	.078
16905								14.5	.076	.087
16906								9.2	.109	.119
16910	2601019	13505756	.97740	.7862	.976	.984	1.072	7.7	.065	.070
16911	149963	926182	1.06307	.2534	.994	1.002	1.092	10.0	.050	.055
16915	77388	438194	.92683	.1736	.963	.971	1.058	5.5	.055	.058
16916	751090	4551318	.97359	.5655	.972	.980	1.068	6.1	.049	.052
16920	12765	57625	1.50341	.0983	1.023	1.031	1.124	12.4	.129	.145
16921	1870	5691	.00000	.0870	.886	.893	.973	-3.3	.060	.058
16930	84788	266500	2.20282	.1412	1.144	1.153	1.257	25.8	.186	.234
16931	30756	117928	2.60070	.1111	1.151	1.160	1.264	26.4	.072	.091
16940	1276	3729	.00000	.0865	.886	.893	.973	-3.3	.060	.058
16941	24789	79022	.50612	.1029	.923	.930	1.013	0.9	.106	.107
18435	193677	1320539	1.30363	.3075	1.073	1.082	1.179	18.8	.048	.057
18436	16081	86674	.00000	.1045	.869	.876	.955	-4.3	.139	.133
18501	282556	2023582	.81842	.3867	.912	.919	1.002	0.0	.012	.012
45900	60040	443032	.00137	.1744	.801	.807	.879	-11.5	.052	.046
49617	505764	1953941	1.28667	.3797	1.090	1.099	1.198	19.8	.192	.230
57001	13632	122672	3.02360	.1121	1.200	1.210	1.319	31.3	.016	.021

X-TILDE: 1.009 X-TILDE (MONOLINE): .992 PI-TILDE: .0049215
 TAU SQUARED: .03000 SIGMA SQUARED: 123671.51862

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 * 1.034 * 1.134

CLASS	AYE 2018 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	7488	38425	.00000	.0655	.966	.870	1.020	4.0	.025	.026
10042	1247300	6251219	1.18312	.6002	1.123	1.012	1.187	18.2	.330	.390
10060	4103	15398	.00000	.0608	.971	.875	1.026	3.0	.099	.102
10065	17250	122607	1.53780	.0821	1.075	.968	1.135	12.5	.032	.036
10066	4261	15251	.00000	.0608	.971	.875	1.026	2.6	.076	.078
10071	712909	2935587	1.11447	.4245	1.068	.962	1.128	13.1	.130	.147
10073	11071794	44288461	1.14398	.9112	1.134	1.022	1.198	20.4	.540	.650
10075	1191	7423	.73515	.0592	1.016	.915	1.073	7.1	.211	.226
10107	52782	290896	2.33059	.1137	1.181	1.064	1.248	25.9	.270	.340
10115	64240	338952	.69302	.1223	.992	.894	1.048	4.7	.086	.090
10309	16361	172799	.15275	.0918	.953	.859	1.007	0.0	.020	.020
11020	6280	42692	.75579	.0663	1.015	.914	1.072	7.0	.157	.168
11127	94330	462700	.96176	.1437	1.023	.922	1.081	11.1	.009	.010
11128	46115	190949	1.11939	.0952	1.042	.939	1.101	10.1	.089	.098
11204	12744	58044	.04037	.0694	.965	.869	1.019	1.6	1.820	1.850
11234	31978	150836	.26117	.0876	.966	.870	1.020	1.4	.070	.071
12014	23430	166956	.12113	.0907	.951	.857	1.005	0.0	.040	.040
12356	7970	48728	1.06216	.0676	1.036	.933	1.094	9.7	.031	.034
12510	8089	37727	.00000	.0653	.966	.870	1.020	3.3	.030	.031
12805	754867	4832791	1.05672	.5402	1.046	.942	1.105	10.5	.105	.116
13351	633544	4180382	1.38008	.5060	1.209	1.089	1.277	28.2	.039	.050
13352	6191	19657	.00000	.0617	.970	.874	1.025	2.0	.050	.051
13506	98715	468289	.62822	.1447	.975	.878	1.030	2.7	.074	.076
13507	53283	269701	.00792	.1098	.921	.830	.973	-2.8	.181	.176
13716	743035	3552476	.88781	.4680	.965	.869	1.019	2.2	.137	.140
13759	18238	143685	.01387	.0862	.946	.852	.999	0.0	.125	.125
14101	11317	80358	1.65125	.0739	1.079	.972	1.140	14.0	.043	.049
14279	98318	566363	1.01257	.1609	1.030	.928	1.088	8.8	.057	.062
14913	64223	328298	1.53801	.1204	1.094	.986	1.156	15.8	.139	.161
15538	13032	118019	.05772	.0812	.955	.860	1.008	0.0	.019	.019
15600	6298	40538	.44958	.0659	.995	.896	1.051	4.7	.107	.112
15608	939	4815	.00000	.0587	.973	.877	1.028	0.0	.011	.011
15839	27904	182552	.82123	.0936	1.014	.914	1.072	7.7	.026	.028
15991	41076	218293	.63096	.1003	.993	.895	1.049	4.7	.086	.090
15993	5847	34360	.44290	.0647	.996	.897	1.052	5.3	.057	.060
16403	70810	390324	2.71871	.1313	1.255	1.131	1.326	32.9	.140	.186
16676	1344	6240	.00000	.0590	.973	.877	1.028	0.0	.016	.016

X-TILDE: 1.124 X-TILDE (MONOLINE): 1.110 PI-TILDE: .0025715
 TAU SQUARED: .03415 SIGMA SQUARED: 157296.23342

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 * 1.034 * 1.134

CLASS	AYE 2018 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	95536	667877	.05932	.1770	.861	.776	.910	-9.0	.178	.162	
18109	465	2288	.00000	.0582	.974	.877	1.028	3.0	.033	.034	
18110	48361	294297	1.40566	.1143	1.076	.969	1.136	12.5	.040	.045	
18206	425070	2502468	1.30811	.3894	1.141	1.028	1.205	20.3	.118	.142	
18335	9923	53268	.11868	.0685	.971	.875	1.026	4.5	.022	.023	
18506	28	288	.00000	.0578	.974	.877	1.028	0.0	.007	.007	
18507	1183	8667	.00000	.0595	.972	.876	1.027	0.0	.008	.008	
18708	10132	47282	11.57011	.0673	1.743	1.570	1.841	37.5	.016	.022	U
18834	7563	35778	.00000	.0650	.967	.871	1.021	2.1	.142	.145	
18911	5235	33285	.39583	.0645	.993	.895	1.049	4.5	.022	.023	
18912	1364	6229	1.13293	.0590	1.040	.937	1.099	8.6	.035	.038	
18920	416	6337	.34780	.0590	.993	.895	1.049	4.8	.021	.022	
45819	643034	3173633	1.00352	.4421	1.020	.919	1.078	8.3	.072	.078	
49618	516	1954	3.33163	.0581	1.167	1.051	1.232	23.3	.060	.074	
49619	225693	1050425	1.13938	.2327	1.058	.953	1.117	11.7	.120	.134	

X-TILDE: 1.124 X-TILDE (MONOLINE): 1.110 PI-TILDE: .0025715
 TAU SQUARED: .03415 SIGMA SQUARED: 157296.23342

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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 * 1.021 * 1.134

CLASS	AYE 2018 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	.961	1.000	1.158	16.7	.480	.560	
92054	0	15	.00000	.1250	.841	.842	.975	-2.5	.241	.235	
92055	224	2730	.00000	.1254	.840	.841	.974	-2.6	.232	.226	
95124	562697	3837022	1.31489	.4453	1.118	1.119	1.296	29.7	.640	.830	
98303	94187	378776	.26075	.1722	.840	.841	.974	-2.5	7.490	7.300	
98304	2750334	11827672	.93529	.6853	.943	.944	1.093	9.2	3.690	4.030	
98305	2812626	12416059	1.15103	.6950	1.093	1.094	1.267	26.9	1.600	2.030	
98306	10293	64236	.74545	.1334	.932	.933	1.080	8.5	.820	.890	
98307	1972	9782	.20272	.1263	.865	.866	1.003	0.0	.430	.430	
98308	397478	2155913	1.73092	.3394	1.222	1.223	1.416	37.0	.810	1.110	U
98309	32596	125760	.05991	.1413	.833	.834	.966	-3.6	2.220	2.140	
98344	52467	262216	1.64239	.1582	1.069	1.070	1.239	24.6	.650	.810	
98449	2145009	10783308	1.04448	.6664	1.017	1.018	1.179	17.7	20.900	24.600	
98805	209113	999074	1.25945	.2394	1.032	1.033	1.196	19.8	1.160	1.390	
98813	417326	2235196	.41231	.3453	.771	.772	.894	-10.4	1.930	1.730	
98967	1286837	5807294	1.50294	.5331	1.250	1.251	1.448	37.0	7.740	10.600	U
99003	56683	204705	1.00829	.1512	.968	.969	1.122	11.9	1.680	1.880	
99826	23937	142725	1.73949	.1434	1.072	1.073	1.242	23.9	.460	.570	
99827	82228	462822	.44038	.1820	.866	.867	1.004	0.0	.570	.570	
99948	2636267	12481879	.88167	.6960	.906	.907	1.050	5.1	23.400	24.600	
99952	592699	1869528	.84155	.3171	.923	.924	1.070	7.1	21.100	22.600	
99953	202202	965928	1.32011	.2361	1.046	1.047	1.212	20.8	10.100	12.200	
99954	222881	923839	.57992	.2318	.872	.873	1.011	0.9	11.400	11.500	
99955	874053	4094728	.55872	.4586	.776	.777	.900	-10.0	8.560	7.700	

X-TILDE: 1.026 X-TILDE (MONOLINE): .999 PI-TILDE: .0073548
 TAU SQUARED: .03000 SIGMA SQUARED: 199329.19538

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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 * 1.002 * 1.134

CLASS	AYE 2018 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	2202928	10797684	.86652	.5064	.922	.946	1.075	7.5	6.800	7.310
91150	930810	4763191	1.05085	.3260	1.003	1.029	1.169	16.9	4.920	5.750
91155	4229370	19798315	1.11665	.6473	1.068	1.095	1.244	24.6	28.900	36.000
91340	22401699	104076239	.90174	.9039	.909	.932	1.059	5.9	8.460	8.960
91341	9265265	42335204	1.06574	.7943	1.048	1.075	1.221	22.2	4.150	5.070
91342	11350013	50840297	.87796	.8222	.896	.919	1.044	4.5	3.560	3.720
91343	378671	1849031	1.25326	.1815	1.029	1.055	1.199	19.7	1.470	1.760
91436	270995	1250635	.96526	.1438	.977	1.002	1.139	13.9	2.510	2.860
91507	32234	205081	.02892	.0689	.914	.937	1.065	6.4	2.830	3.010
91551	677461	3772549	1.22101	.2830	1.048	1.075	1.221	21.4	.560	.680
91555	121947	708543	.52306	.1065	.931	.955	1.085	9.0	1.000	1.090
91560	11813830	61345677	.85713	.8478	.876	.898	1.020	2.1	3.830	3.910
91577	1739537	7477817	1.18865	.4212	1.067	1.094	1.243	24.4	2.790	3.470
91746	3093099	13383932	1.07418	.5572	1.032	1.058	1.202	20.2	5.240	6.300
92101	591258	2904688	1.22461	.2405	1.038	1.065	1.210	20.9	2.630	3.180
92102	397915	2456630	1.64648	.2165	1.124	1.153	1.310	31.0	2.550	3.340
92215	9129946	42781139	.90245	.7959	.918	.942	1.070	7.0	3.140	3.360
92338	4163327	18447686	1.21185	.6315	1.126	1.155	1.312	31.4	1.720	2.260
92446	390390	1413073	.38916	.1544	.888	.911	1.035	3.4	1.480	1.530
92447	45969	237068	.94077	.0714	.976	1.001	1.137	13.5	1.480	1.680
92451	2416508	12629490	1.00788	.5435	.995	1.021	1.160	15.9	2.070	2.400
92478	16612920	79965152	.88722	.8787	.898	.921	1.047	4.9	1.820	1.910
94007	9430266	41159561	.94971	.7897	.956	.981	1.115	11.6	4.840	5.400
94276	1456312	8018380	.89214	.4370	.941	.965	1.096	9.6	4.180	4.580
94569	2144093	12374307	1.10419	.5387	1.047	1.074	1.220	21.9	3.060	3.730
95410	6130171	32029820	.87527	.7458	.902	.925	1.051	5.2	2.690	2.830
95455	257147	2390488	.18138	.2129	.809	.830	.943	-5.9	1.360	1.280
95505	73439	437365	1.62394	.0866	1.035	1.062	1.207	20.6	1.990	2.400
95625	1232190	5722488	1.20868	.3630	1.062	1.089	1.237	23.8	3.020	3.740
95647	27796579	124924344	1.05818	.9186	1.052	1.079	1.226	22.5	5.950	7.290
96053	416865	2200468	1.04293	.2021	.992	1.017	1.156	15.7	3.560	4.120
96410	1585889	7300347	.95555	.4158	.969	.994	1.129	12.8	8.640	9.750
96611	297662	1300384	.45315	.1471	.902	.925	1.051	5.0	1.600	1.680
97447	6403637	31836485	1.14969	.7447	1.106	1.134	1.289	28.9	3.980	5.130
97650	397209	1809657	.94485	.1791	.973	.998	1.134	13.5	3.630	4.120
97651	290509	1427407	.74983	.1553	.944	.968	1.100	10.0	3.310	3.640
97652	39102	225743	.86747	.0705	.971	.996	1.132	13.3	3.770	4.270

X-TILDE: .971 X-TILDE (MONOLINE): .975 PI-TILDE: .0033055
 TAU SQUARED: .03000 SIGMA SQUARED: 352319.79715

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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 * 1.002 * 1.134

CLASS	AYE 2018 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	718407	3366738	1.09313	.2637	1.009	1.035	1.176	17.4	2.470	2.900
97654	77885	375525	.64035	.0820	.951	.975	1.108	10.7	2.900	3.210
97655	1245784	6479959	1.02993	.3895	.999	1.025	1.165	16.6	3.800	4.430
98002	12255	96701	.00000	.0604	.920	.944	1.073	7.0	1.000	1.070
98482	19972512	101923682	.97286	.9021	.973	.998	1.134	13.4	6.060	6.870
98483	26813547	124355014	1.01068	.9183	1.008	1.034	1.175	17.6	17.600	20.700
98502	362615	1594169	.96036	.1659	.976	1.001	1.137	13.7	3.710	4.220
98636	2071142	9268415	.73065	.4705	.862	.884	1.004	0.5	3.900	3.920
98677	3805076	20623918	.92242	.6563	.942	.966	1.098	9.8	8.510	9.340
98678	3022709	12463154	1.06490	.5404	1.026	1.052	1.195	19.9	13.600	16.300
98806	551431	3101854	1.04928	.2506	.997	1.023	1.162	16.2	3.020	3.510
98820	3114686	15672931	.89735	.5942	.931	.955	1.085	8.5	3.180	3.450
98884	1520151	9632439	1.26532	.4795	1.116	1.145	1.301	30.2	1.290	1.680
99004	34866	157342	.08413	.0652	.921	.945	1.074	7.3	1.650	1.770
99080	1161312	5395782	.56172	.3509	.833	.854	.970	-3.0	7.940	7.700
99315	874041	4952031	1.56135	.3336	1.173	1.203	1.367	36.6	1.420	1.940
99321	2161189	10822988	.82078	.5070	.899	.922	1.048	4.7	2.350	2.460
99613	1154563	5926111	.85025	.3704	.931	.955	1.085	8.7	2.070	2.250
99650	435186	2545885	1.11164	.2214	1.009	1.035	1.176	17.0	.880	1.030
99746	3137408	15150902	1.00259	.5863	.993	1.018	1.157	15.6	2.950	3.410

X-TILDE: .971 X-TILDE (MONOLINE): .975 PI-TILDE: .0033055
 TAU SQUARED: .03000 SIGMA SQUARED: 352319.79715

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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 * .950 * 1.134

CLASS	AYE 2018 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	48652	139737	.07266	.1489	.728	.857	.923	-7.5	2.000	1.850
91127	910905	4773007	.73729	.6226	.777	.915	.986	-1.5	1.370	1.350
91235	448834	3041552	.95348	.5234	.901	1.061	1.143	14.2	2.400	2.740
91265	18395	110476	.00758	.1421	.724	.853	.919	-8.1	2.110	1.940
91266	172907	821298	1.53450	.2815	1.038	1.223	1.318	32.1	.810	1.070
91280	7153	54840	2.57788	.1288	1.067	1.257	1.354	35.4	2.260	3.060
94381	1467640	7622279	.87397	.7188	.865	1.019	1.098	9.6	9.760	10.700
94404	91273	371631	.59514	.1992	.794	.935	1.007	0.7	4.170	4.200
95310	390622	2090369	.38011	.4431	.638	.751	.809	-18.9	1.270	1.030
96408	1282250	5288069	1.11838	.6446	1.021	1.203	1.296	29.6	11.500	14.900
96409	1980930	10621976	.78569	.7783	.798	.940	1.013	1.0	10.400	10.500
97221	692904	3863495	1.03719	.5763	.955	1.125	1.212	20.9	1.150	1.390
97222	4255154	19953952	.73614	.8663	.750	.883	.951	-5.0	2.220	2.110
97223	3229910	15723791	1.06701	.8370	1.031	1.214	1.308	30.7	3.420	4.470
98152	323648	2652442	1.40336	.4936	1.120	1.319	1.421	37.5	.400	.550
98157	58202	376387	1.24115	.2001	.923	1.087	1.171	15.8	.380	.440
98163	2389	5068	.00000	.1166	.745	.878	.946	-5.4	.224	.212
98164	5971	99458	.00000	.1395	.726	.855	.921	-7.4	.068	.063
98659	198	1621	.00000	.1158	.746	.879	.947	-5.1	.390	.370
98914	620	3472	.00000	.1162	.745	.878	.946	-5.0	.600	.570
98949	4056	17554	.00000	.1197	.742	.874	.942	-6.5	.310	.290
98993	1607001	7739452	.65662	.7217	.709	.835	.900	-10.1	5.560	5.000
99163	7161	9273	.00000	.1177	.744	.876	.944	-6.7	.450	.420
99803	4977	54745	1.64638	.1288	.947	1.115	1.201	20.1	8.040	9.660
99946	2842689	14962218	.76881	.8303	.781	.920	.991	-0.7	2.750	2.730
99969	660706	3713724	.95875	.5675	.909	1.071	1.154	15.4	2.140	2.470

U

X-TILDE: .863 X-TILDE (MONOLINE): .849 PI-TILDE: .0068929
TAU SQUARED: .03000 SIGMA SQUARED: 106560.52228

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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. The historical statistical data included in this filing is from a period where COVID-19 was not known to be present in the United States.

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 have been applied to the loss costs of several classes.

LOSS COST ADJUSTMENTS GENERAL LIABILITY

For General Liability, all manually rated classes were reviewed to determine how future economic conditions and changes in behavior could potentially impact the loss experience. The bulk of General Liability classes have economically sensitive exposure bases, including exposure bases gross sales and payroll. These economically sensitive exposure bases will generally adjust to new economic conditions and classes with these bases are not expected to have significant changes in loss potential per exposure. However, there are classes that use exposure bases that are not economically sensitive and would not necessarily be responsive to sudden changes. Classes with exposure bases that are not economically sensitive were reviewed for a potential loss cost adjustment.

The individual classes that use square feet as an exposure base were further examined to determine which may be impacted by long-term behavioral, social and economic changes. The new, large scale work from home policies put in place due to social distancing guidelines has the potential to become a long-lasting change in behavior. Companies may utilize their physical spaces differently than in the past. There will likely be more work from home options and more emphasis on digital solutions to replace physical, in-person meetings. Additionally, it will take time for companies to decrease their physical office footprint to reflect this new environment. With fewer workers, vendors, clients, and other outside visitors present in commercial buildings, there is an expected decrease in occurrences relative to the fixed exposure base of thousands of square feet for certain classes.

LOSS COST
ADJUSTMENTS
GENERAL LIABILITY
(Cont'd)

Nine classifications are being adjusted for this expected decrease in occurrence frequency. The classifications are OL&T classifications within Premises/Operations Class Group 12 – Building and Offices. These classes are for risks that are primarily an office environment and are expected to be impacted by changes in the office work environment. The varying adjustments, -5% or -10%, reflects the expected decrease in foot traffic for the individual classes listed. The adjustment is a decrease to the revised Premises/Operations loss costs after application of all loss cost changes including any relativity changes and reflecting any capping and build back factors.

In Section A, the impact of adjusting these classes will be reflected in the filed loss costs and in the class group, subtitle, and overall loss cost level changes.

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%

TENNESSEE GL-2020-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>	<u>ADJUSTED</u>
M&C	+ 1.8%	+ 1.8%	+ 1.8%
OL&T	+ 9.6%	+ 9.6%	+ 8.7%
Premises/Operations	+ 5.8%	+ 5.8%	+ 5.4%
Products	- 1.5%	- 1.5%	- 1.5%
Local Products/Completed Operations	+ 12.8%	+ 12.8%	+ 12.8%
Products/Completed Operations	+ 8.7%	+ 8.7%	+ 8.7%
GL Overall	+ 6.4%	+ 6.4%	+ 6.0%

INDICATED Indicated changes are based on standard ISO methodology. The selected changes are
VS. SELECTED equal to the indicated changes for all sublines. The adjusted loss cost level changes reflect
VS. ADJUSTED the COVID-19 related adjustments for OL&T.

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 6/30/2019 for Premises/Operations.
Calendar - accident year data through year ended 12/31/2018 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 2.0%, when the four years common to both this year's and last year's reviews are compared. This is primarily accounted for by the following changes since the prior review:

- A change in company mix which caused a 6.1% increase in ALCCL;
- Implemented loss cost level change (+10.5%);
- A change in exposure trend plus an additional year of trending (-1.5%);
- The effect on ALCCL due to a change in average IPMFs (-0.2%).

The BLERs changed due to the various effects listed above.

Owners, Landlords and Tenants

The Aggregate Loss Costs at Current Level (ALCCL) decreased by an average of 6.0%, when the four years common to both this year's and last year's reviews are compared. This is primarily accounted for by the following changes since the prior review:

- A change in company mix which caused an 4.6% decrease in ALCCL;
- Implemented loss cost level change (-1.3%);
- A change in exposure trend plus an additional year of trending (+0.2%);
- The effect on ALCCL due to a change in average IPMFs (-0.1%).

The BLER increased in 2016 (+15.4%). This is mainly due to unfavorable experience across several class groups.

Products

Multistate ALCCL decreased by an average of 21.7% 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 12.3% decrease in ALCCL;
- Implemented an average loss cost level change of approximately -10.8% in most states;
- A change in exposure trend plus an additional year of trending of -0.8%;
- The effect on ALCCL due to a change in average IPMFs (-0.5%).

The BLERs changed due to the various effects listed above.

CALL TO CALL
COMPARISON
(Cont'd)

Local Products/
Completed Ops

Multistate ALCCL decreased by an average of 1.3% 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 3.4% decrease in ALCCL;
- Implemented an average loss cost level change of approximately -0.6% in most states;
- A change in exposure trend plus an additional year of trending of +1.6%;
- The effect on ALCCL due to a change in average IPMFs (+0.9%).

The BLERs changed due to the various effects listed above.

LATEST CALL
YEAR TO YEAR
COMPARISON

Manufacturers and
Contractors

The ALCCL increased from 2015 to 2018 and then decreased thereafter.

The low BLER for 2016 (0.774) is attributable to favorable experience in several class groups.

Owners, Landlords
and Tenants

The ALCCL increased from 2015 to 2017 and then decreased thereafter.

The high BLERs for 2015 (1.156), 2016 (1.140) and 2019 (1.168) are attributable to unfavorable experience in several class groups.

Products

The ALCCL increased steadily from 2014 to 2018.

The BLER decreased from 2014 to 2015, increased in 2016 and then decreased thereafter.

Local Products/
Completed Ops

The ALCCL increased steadily from 2014 to 2018.

The BLER increased from 2014 to 2015, decreased until 2017 and then increased thereafter.

LOSS
DEVELOPMENT
FACTOR
COMPARISON

Manufacturers and
Contractors

The BI and PD indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review.

The multistate full coverage BI Indemnity factors have increased compared to those in the 2019 review. The multistate full coverage PD Indemnity factors remained stable compared to those in the 2019 review.

The multistate deductible coverage BI indemnity factors remained stable compared to the 2019 review. The multistate deductible coverage PD indemnity factors have decreased compared to the 2019 review.

The multistate Fringe indemnity factors have increased compared to the 2019 review.

Owners, Landlords
and Tenants

The BI and PD indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review.

The multistate full coverage BI Indemnity factors have increased compared to those in the 2019 review. The multistate full coverage PD Indemnity factors remained stable compared to those in the 2019 review.

The multistate deductible coverage BI and PD Indemnity factors remained stable compared to the 2019 review.

The multistate Fringe indemnity factors have decreased compared to the 2019 review.

Products

The multistate full coverage BI and PD indemnity development factors for the 2020 review have increased compared to those in the 2019 review.

The multistate deductible coverage BI indemnity development factors have increased compared to the 2019 review. The multistate deductible coverage PD indemnity development factors remained stable compared to the 2019 review.

LOSS
DEVELOPMENT
FACTOR
COMPARISON
(Cont'd)

Local Products/
Completed Ops

For Local Products, the multistate full coverage BI indemnity development factors in this review remained stable compared to those in the 2019 review. The multistate full coverage PD indemnity development factors in this review have decreased compared to those in the 2019 review. The multistate deductible coverage BI indemnity development factors have decreased compared to the 2019 review. The multistate deductible coverage PD indemnity development factors have increased compared to the 2019 review.

For Completed Operations, compared to those in the 2019 review, the full coverage BI indemnity loss development factors for the 27, 39 and 51 months-to-ultimate factors increased by 23.9%, 28.5% and 13.7% respectively for the 2020 review remained. This can largely be attributed to a higher 27-to-39, 39-to-51 and 51-to-63 months state link ratios. The full coverage PD indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review.

The Completed Operations multistate full coverage BI indemnity factors have decreased compared to those in the 2019 review. The multistate full coverage PD indemnity factors have increased compared to those in the 2019 review. The multistate deductible coverage BI indemnity factors have increased compared to those in the 2019 review. The multistate deductible coverage PD indemnity factors have decreased compared to those in the 2019 review.

One might expect PD 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%, down from +0.5% in the previous Fiscal review.

Owners, Landlords
and Tenants

The BI severity trend selection is +4.0%, up from +3.5% in the previous Fiscal review.

The PD severity trend selection is +5.0%, up from +4.5% in the previous Fiscal review.

The Fringe severity selection is +1.0%, down from +1.5% in the previous Fiscal review.

Products

The BI severity trend selection is +3.0%, up from +2.5% in the previous review.

The PD severity trend selection is +6.0%, down from +6.5% in the previous review.

Local Products/
Completed Ops

The BI severity trend selection is +4.0%, up from +2.5% in the previous review.

The PD selected severity trend is +4.5%, unchanged from +4.5% in the previous review.

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.
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Owners, Landlords and Tenants	The latest frequency point is lower than the prior point.
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Products	The latest frequency point is lower than the prior point.
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Local Products/ Completed Ops	The latest frequency point is lower than the prior point.
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EXPOSURE
TREND
COMPARISON

Manufacturers and Contractors	The exposure trend factors for Manufacturers are lower than that used in the previous review for all three years. The exposure trend factors for Contractors are lower than that used in the previous review for all three years
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Owners, Landlords and Tenants	The exposure trend factors for Class Groups 1-13 are lower than those used in the previous review for all three years. The exposure trend factors for Class Group 16 are lower than that used in the previous review for all three years
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Products	The exposure trend factors are lower than that used in the previous review for all three years.
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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.
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WEIGHTED AVERAGE IMPLICIT PACKAGE MODIFICATION FACTOR (IPMF) COMPARISON	Manufacturers and Contractors	The current weighted average IPMF is 0.897. In the 2019 review the weighted average IPMF was 0.900.
	Owners, Landlords and Tenants	The current weighted average IPMF is 0.950. In the 2019 review the weighted average IPMF was 0.951.
	Products	The current multistate weighted average IPMF is 0.859. In the 2019 review the multistate weighted average IPMF was 0.856.
	Local Products/ Completed Ops	The current multistate weighted average IPMF is 0.991. In the Group 3, 2019 review the multistate weighted average IPMF was 0.977.

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 (1.033) ranks 11th highest overall. In last year's review, Tennessee 's state balanced relative change (1.018) ranks 19th highest overall.

CHANGE IN COMPANY MIX SINCE LAST CALL	For Manufacturers and Contractors the change in company mix results in an average decrease of 6.1% in the total statewide ALCCL.
	For Owners, Landlords and Tenants, the change in company mix results in an average decrease of 4.6% in the total statewide ALCCL.
	For Products, the change in company mix results in a 12.3% decrease in the total multistate ALCCL.
	For Local Products/Completed Operations, the change in company mix results in a 3.4% decrease 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	.08	.195	10205	.172	—	11210	3.08	—	13207	(a)	(a)
10015	5.65	—	10220	3.23	—	11211	16.00	—	13208	(a)	(a)
10020	(a)	(a)	10255	.25	.147	11212	2.42	—	13314	.082	.016
10026	.44	.026	10256	.93	.152	11213	1.98	—	13351	.20	.05
10036	.68	(a)	10257	.175	.169	11214	4.87	—	13352	.204	.051
10040	.061	.30	10309	.111	.02	11222	.082	—	13410	1.45	2.99
10042	.25	.39	10315	.26	(a)	11234	.193	.071	13411	(a)	(a)
10052	3.90	—	10331	7.66	—	11248	.048	.018	13412	.49	1.14
10054	3.46	—	10332	13.20	—	11258	1.25	.212	13453	.57	(a)
10060	.122	.102	10352	.61	.054	11259	1.34	.118	13454	.66	(a)
10065	.182	.036	10367	4.13	—	11273	9.58	—	13455	.67	(a)
10066	.186	.078	10368	6.03	—	11274	9.19	—	13461	(a)	(a)
10070	.046	.154	10375	(a)	—	11288	1.53	.077	13506	.63	.076
10071	.218	.147	10378	7.75	—	12014	.104	.04	13507	.76	.176
10072	4.67	—	10379	3.60	—	12356	.81	.034	13590	.50	.74
10073	1.06	.65	10380	6.14	—	12361	.06	.077	13621	.127	.32
10075	7.89	.226	10381	5.32	—	12362	.05	(a)	13670	.034	.015
10100	1.04	.049	11007	1.75	—	12373	.019	.024	13673	.95	.016
10101	.165	.181	11020	.208	.168	12374	.42	.067	13715	.05	.165
10105	1.78	—	11039	.92	.067	12375	.208	.036	13716	.31	.14
10107	3.25	.34	11052	4.43	—	12391	.038	.082	13720	.53	.053
10110	19.20	—	11101	(a)	(a)	12393	.28	(a)	13759	.122	.125
10111	.10	.078	11120	(a)	—	12467	.115	(a)	13930	.107	.201
10113	.247	—	11126	.043	.022	12509	.063	.036	14068	.027	.014
10115	.49	.09	11127	.25	.01	12510	.80	.031	14101	.31	.049
10117	5.61	—	11128	.34	.098	12583	.36	(a)	14279	.48	.062
10119	(a)	—	11138	1.91	—	12651	1.04	.53	14401	1.26	.072
10120	12.60	—	11155	.147	—	12683	.48	(a)	14405	1.03	—
10130	2.43	—	11160	(a)	(a)	12707	.33	.64	14527	.204	.189
10132	2.09	—	11167	1.02	—	12797	.069	.196	14655	.061	—
10133	4.26	—	11168	5.29	—	12805	.222	.116	14731	4.39	—
10135	(a)	—	11201	15.40	—	12841	.37	—	14732	.33	—
10140	.028	.021	11202	4.54	—	12927	.064	—	14733	.43	—
10141	.055	.023	11203	.59	.52	13049	.031	.057	14734	.182	—
10145	.27	.009	11204	.215	1.85	13111	1.16	.093	14855	.223	.154
10146	.46	.014	11205	(a)	—	13112	.051	.063	14913	.229	.161
10150	.34	(a)	11206	.71	—	13201	.92	.16	15060	(a)	(a)
10151	8.56	—	11207	9.00	—	13204	1.04	1.45	15061	(a)	(a)
10160	1.52	—	11208	1.54	—	13205	.40	.46	15062	.20	(a)
10204	.154	—	11209	7.24	—	13206	(a)	(a)	15063	.233	(a)

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
15070	.138	—	16750	.072	.032	18707	.008	.004	40117	(a)	—
15119	(a)	—	16751	.072	—	18708	.079	.022	40140	(a)	—
15120	(a)	—	16819	1.21	(a)	18833	.09	(a)	41001	.211	—
15123	4.25	—	16820	.94	(a)	18834	.204	.145	41210	(a)	—
15124	1.49	—	16881	1.12	(a)	18911	.64	.023	41421	.44	—
15188	.35	(a)	16890	.142	(a)	18912	1.21	.038	41422	.233	—
15223	.04	.041	16891	.154	(a)	18920	.31	.022	41510	32.40	—
15224	.57	.059	16892	.28	(a)	18991	(a)	—	41603	20.70	—
15300	(a)	—	16900	2.30	.087	19007	1.66	—	41604	11.30	—
15314	.147	(a)	16901	1.48	.119	19051	3.68	—	41620	1.29	—
15404	.091	(a)	16902	1.25	.078	19061	(a)	—	41650	29.10	—
15405	.134	(a)	16905	2.42	.087	19795	.211	(a)	41664	26.60	—
15406	.34	.048	16906	1.55	.119	19796	.247	—	41665	3.12	—
15488	.85	(a)	16910	1.38	.07	40005	(a)	—	41666	(a)	—
15538	.26	.019	16911	1.25	.055	40006	(a)	—	41667	72.80	—
15600	.66	.112	16915	1.42	.058	40010	(a)	—	41668	68.30	—
15607	.181	—	16916	1.18	.052	40015	(a)	—	41669	.48	—
15608	.147	.011	16920	3.14	.145	40020	(a)	—	41670	.80	—
15656	4.33	—	16921	2.87	.058	40026	(a)	—	41672	(a)	—
15699	.45	—	16930	1.81	.234	40031	(a)	—	41673	(a)	—
15733	.223	.037	16931	1.95	.091	40032	(a)	—	41675	(a)	—
15839	.197	.028	16940	3.92	.058	40040	(a)	—	41677	.27	—
15991	.161	.09	16941	1.57	.107	40041	(a)	—	41678	50.20	—
15993	.136	.06	18078	.091	.162	40042	(a)	—	41679	(a)	(a)
16005	.027	.034	18109	.27	.034	40045	176.00	—	41680	15.10	—
16009	.27	.094	18110	.215	.045	40046	34.80	—	41696	.84	—
16402	.97	—	18200	(a)	—	40047	12.40	—	41697	.58	—
16403	.62	.186	18205	.14	.35	40059	4.44	—	41700	(a)	—
16404	.78	—	18206	.35	.142	40061	2.35	—	41715	9.60	—
16471	.26	—	18335	.25	.023	40063	78.80	—	41716	6.11	—
16501	.056	(a)	18435	1.10	.057	40064	23.20	—	43007	(a)	—
16527	.086	.35	18436	.89	.133	40066	(a)	—	43117	(a)	—
16588	.127	(a)	18437	.36	(a)	40067	(a)	—	43151	30.30	—
16604	.213	.146	18438	.69	(a)	40069	(a)	—	43152	15.00	—
16670	3.18	—	18501	1.01	.012	40072	(a)	—	43200	116.00	—
16676	.204	.016	18506	.45	.007	40075	61.00	—	43215	(a)	—
16694	.42	(a)	18507	.129	.008	40101	14.30	—	43421	31.60	—
16705	.16	.148	18570	1.35	—	40102	12.60	—	43422	166.00	—
16722	(a)	—	18575	(a)	(a)	40111	6.24	—	43424	(a)	—
16723	(a)	—	18616	.34	.59	40115	(a)	—	43470	4.89	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops
43517	(a)	—	44277	100.00	—	46004	27.60	—	47471	3.78	—
43518	11.40	—	44280	.27	—	46005	22.10	—	47473	4.95	—
43550	113.00	—	44311	5.90	—	46112	.056	—	47474	5.53	—
43551	62.60	—	44315	3.96	—	46202	5.31	—	47475	4.36	—
43626	9.13	—	44427	51.70	—	46362	175.00	—	47476	4.36	—
43628	119.00	—	44428	52.00	—	46426	25.60	—	47477	5.82	—
43629	101.00	—	44429	.78	—	46427	34.20	—	47478	6.11	—
43754	(a)	—	44430	.54	—	46510	(a)	—	47600	(a)	—
43760	3.35	—	44431	1.73	—	46590	(a)	—	47610	(a)	—
43822	3.89	—	44432	.55	—	46603	2.15	—	48039	81.90	—
43840	.048	—	44433	17.50	—	46604	2.48	—	48177	(a)	—
43860	3.06	—	44434	33.40	—	46606	6.60	—	48178	(a)	—
43889	1.10	—	44435	34.60	—	46607	9.08	—	48206	24.20	—
43945	(a)	—	44436	40.40	—	46622	11.40	—	48252	(a)	—
43946	(a)	—	44437	33.50	—	46671	(a)	—	48441	.101	—
43990	(a)	(a)	44438	26.50	—	46700	232.00	—	48557	10.10	—
43991	(a)	—	44439	51.50	—	46773	(a)	—	48558	8.82	—
44009	5.18	—	44440	42.60	—	46822	(a)	—	48600	51.20	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	9.76	—	44501	(a)	—	46882	(a)	—	48636	.89	(a)
44070	2.89	—	45190	4.18	—	46911	18.10	—	48637	7.75	—
44071	3.22	—	45191	2.97	—	46912	33.10	—	48638	3.85	—
44072	2.22	—	45192	3.47	—	46913	(a)	—	48727	(a)	—
44100	7.04	—	45193	2.05	—	46914	(a)	—	48808	1.11	—
44101	7.33	—	45210	2.59	—	46915	(a)	—	48924	(a)	—
44102	5.72	—	45224	(a)	—	46916	(a)	—	48925	186.00	—
44103	5.06	—	45225	(a)	—	47050	1.06	—	49005	.181	—
44104	2.13	—	45334	66.60	—	47051	(a)	—	49111	1.70	—
44105	(a)	—	45380	.26	(a)	47052	(a)	—	49181	26.80	—
44106	(a)	—	45450	19.60	—	47103	(a)	—	49183	32.60	—
44108	2.49	—	45523	(a)	—	47146	(a)	—	49184	68.80	—
44109	6.30	—	45524	(a)	—	47147	(a)	—	49185	62.60	—
44110	6.45	—	45539	(a)	—	47221	255.00	—	49239	.195	.60
44111	3.96	—	45678	.29	—	47253	(a)	—	49292	1.96	—
44112	2.35	—	45771	.40	.164	47254	(a)	—	49305	(a)	—
44113	(a)	—	45819	.129	.078	47318	7.43	—	49333	14.40	—
44193	(a)	—	45900	.075	.046	47367	.27	—	49451	(a)	—
44194	(a)	—	45901	.064	.049	47420	1.63	—	49452	(a)	—
44222	(a)	—	45937	.26	—	47468	(a)	—	49617	.35	.23
44276	155.00	—	45993	(a)	(a)	47469	4.36	—	49618	.29	.074

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
49619	.55	.134	51315	.127	.106	51809	.135	.153	52341	.025	(a)
49763	3.59	—	51330	.054	.53	51833	.117	.06	52342	.074	(a)
49800	(a)	—	51333	.018	.34	51850	.131	(a)	52343	.045	(a)
49801	224.00	—	51340	.013	(a)	51851	.089	(a)	52401	.139	(a)
49802	19.90	—	51350	.18	.135	51852	.208	(a)	52402	.007	(a)
49803	35.20	—	51351	.161	.042	51853	.084	(a)	52432	.036	(a)
49840	1.10	—	51352	.221	.108	51854	.188	(a)	52433	.033	1.02
49870	77.50	—	51355	.151	.094	51855	.197	(a)	52435	.042	(a)
49890	(a)	—	51356	.163	.62	51856	.108	(a)	52438	.03	(a)
49891	(a)	—	51357	.18	.66	51857	.186	(a)	52440	.047	(a)
49902	(a)	—	51358	.43	.141	51869	.036	.136	52467	.044	(a)
49903	(a)	—	51359	.38	.78	51877	.203	.212	52469	.015	.104
50010	.079	.49	51370	.158	4.57	51889	.033	.012	52505	.076	.216
50015	.051	(a)	51380	.016	.044	51896	.016	.018	52547	.12	.078
50017	.039	(a)	51400	.127	(a)	51900	.087	.095	52581	.37	2.95
50045	.089	(a)	51401	.187	(a)	51909	.119	.056	52619	.026	(a)
50047	.01	(a)	51500	.03	.119	51919	.034	(a)	52660	.095	—
51001	.03	.45	51516	.08	—	51926	.034	.038	52744	.45	.081
51005	.006	(a)	51517	.09	—	51927	.019	.131	52767	.11	(a)
51116	.077	.69	51550	.037	.39	51934	.038	.125	52876	(a)	(a)
51201	.013	(a)	51551	.013	.91	51941	.034	.041	52911	.021	.45
51205	.041	.071	51552	.022	.159	51942	.055	—	52967	.008	.062
51206	.006	.39	51553	.04	(a)	51956	.148	.221	53001	.076	.33
51210	.053	(a)	51554	.004	(a)	51957	.13	.42	53077	.037	.207
51211	(a)	(a)	51575	.048	.02	51958	.116	.41	53095	.025	(a)
51220	.183	2.28	51576	.071	.093	51959	.118	(a)	53096	.035	(a)
51221	.102	1.78	51600	.048	.191	51960	.016	.35	53121	.10	.44
51222	.124	3.67	51613	.032	.139	51970	.068	.238	53147	.019	(a)
51224	.13	1.45	51625	.028	(a)	51982	.02	.083	53229	.104	(a)
51230	.022	.79	51666	.077	.101	51985	.074	—	53271	.019	(a)
51240	.162	.185	51702	.084	(a)	51986	.079	.103	53333	.102	.239
51241	.48	.26	51703	.035	(a)	51999	.033	.44	53374	.118	.31
51250	.141	(a)	51734	.065	.31	52002	.029	.129	53375	.062	.223
51251	.014	(a)	51741	.084	.26	52075	.103	.243	53376	.10	.194
51252	.049	.10	51752	.071	.165	52076	.125	(a)	53377	.102	.195
51253	.042	(a)	51767	.022	.008	52109	.007	(a)	53403	.065	(a)
51254	.013	.039	51777	.078	.078	52134	.097	.63	53425	.097	(a)
51255	.36	(a)	51790	.13	(a)	52137	.041	(a)	53565	.075	.108
51300	.107	.16	51796	.031	(a)	52150	.179	(a)	53631	.012	.022
51305	.107	.96	51808	.109	.73	52315	.101	.26	53632	.013	.034

\$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
53731	.012	(a)	56170	.095	(a)	57401	.024	.096	58503	.029	.076
53732	.083	.45	56171	.047	(a)	57403	.159	.035	58532	.038	(a)
53733	.054	.27	56202	.028	.089	57410	.012	.162	58559	.008	(a)
53734	.48	—	56390	.049	.64	57411	.024	(a)	58560	.018	(a)
53803	.23	(a)	56391	.042	.32	57572	.007	.108	58561	(a)	(a)
53901	(a)	(a)	56427	.067	.125	57600	.02	.034	58575	.024	.12
53902	(a)	(a)	56488	.13	.034	57611	.051	.062	58627	.076	.013
53903	(a)	(a)	56567	.098	(a)	57625	.18	(a)	58663	.218	1.28
53904	(a)	(a)	56650	.30	(a)	57651	.022	.041	58682	.068	(a)
53905	(a)	(a)	56651	.163	(a)	57690	.066	.49	58713	.049	(a)
53907	.037	.103	56652	.117	(a)	57716	.031	.082	58737	.049	.63
53951	(a)	(a)	56653	.113	(a)	57725	.069	.088	58756	.041	(a)
53952	(a)	(a)	56654	.058	(a)	57726	.053	.021	58757	.166	(a)
53953	(a)	(a)	56690	.067	.35	57798	.011	(a)	58759	.02	(a)
54012	.048	—	56699	.031	.057	57800	.041	(a)	58802	.023	.48
54077	.05	.40	56758	.026	.148	57808	.026	(a)	58813	.10	(a)
54444	(a)	(a)	56759	.027	.08	57809	.027	(a)	58822	.064	(a)
55010	.151	1.08	56760	.039	.098	57810	.026	.107	58837	.201	.162
55011	.041	1.57	56805	.051	(a)	57871	.031	.118	58840	.06	.127
55012	.049	1.18	56806	.036	(a)	57913	.054	.29	58873	.096	.03
55013	.087	1.14	56807	.036	(a)	57997	.106	—	58903	.015	(a)
55014	(a)	(a)	56808	.047	(a)	57998	.024	.058	58904	.011	.128
55214	.039	.088	56900	.045	(a)	57999	.043	.071	58922	.159	.168
55371	.30	.119	56910	.022	(a)	58009	.043	(a)	59005	.028	.096
55410	(a)	(a)	56911	.085	(a)	58010	.055	(a)	59057	.206	(a)
55426	.106	(a)	56912	.069	.09	58020	.171	(a)	59058	.133	(a)
55597	.01	1.79	56913	.056	(a)	58056	.066	(a)	59188	.34	.055
55647	.02	.062	56915	.33	(a)	58057	.041	(a)	59189	.47	.30
55648	.009	(a)	56916	.30	.205	58058	.037	(a)	59223	.099	.088
55649	.011	(a)	56917	.086	(a)	58095	.052	1.99	59257	.008	.013
55715	.078	.224	56918	.042	(a)	58096	.07	1.23	59306	.047	(a)
55716	.113	.52	56919	.106	(a)	58301	.033	.088	59378	.064	.15
55717	.14	(a)	56920	.097	(a)	58302	.019	.055	59481	.126	.099
55718	.136	(a)	56980	.039	(a)	58397	.109	.74	59482	.35	(a)
55802	.078	.009	57001	.013	.021	58408	.063	—	59537	.069	.21
55918	.045	2.74	57002	.009	.106	58409	.08	—	59601	.048	2.37
55919	.006	3.65	57090	.155	.66	58456	.043	—	59647	.158	.17
56040	.004	.033	57146	.098	.72	58457	.062	—	59660	.088	1.18
56041	.028	(a)	57202	.034	(a)	58458	.08	—	59661	.043	(a)
56042	.035	(a)	57257	.043	.035	58459	.096	—	59693	.007	—

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
59695	(a)	(a)	59964	.218	.069	63220	(a)	—	91190	2.49	(a)
59701	.004	.29	59970	.059	.183	64074	29.50	—	91200	.82	—
59713	.078	.31	59973	.06	(a)	64075	20.80	—	91210	(a)	—
59722	.041	.031	59975	.083	.227	64500	(a)	—	91235	3.41	2.74
59723	.015	.037	59977	.047	(a)	65007	27.20	—	91250	5.14	(a)
59724	.023	.019	59984	.016	.053	66122	11.70	—	91265	17.60	1.94
59725	.029	.116	59985	.064	(a)	66123	6.44	—	91266	9.30	1.07
59726	.021	.024	59986	.049	(a)	66309	18.80	—	91280	(a)	3.06
59738	.068	.064	59988	.021	.059	66561	43.60	—	91302	18.30	(a)
59750	.052	.222	59989	.009	.044	67017	40.40	—	91315	5.57	—
59751	.019	(a)	60010	17.90	—	67508	34.90	—	91324	12.40	(a)
59773	.02	.028	60011	20.60	—	67509	25.60	—	91325	(a)	(a)
59774	.016	.15	60012	33.90	—	67510	14.30	—	91340	8.09	8.96
59775	.021	.188	60013	29.10	—	67511	15.40	—	91341	5.30	5.07
59781	.045	.068	60015	21.70	—	67512	66.00	—	91342	7.42	3.72
59782	.067	.46	60016	24.40	—	67513	41.90	—	91343	1.17	1.76
59783	.065	(a)	60035	30.70	—	67634	35.00	—	91405	9.42	—
59784	.05	(a)	61000	17.80	—	67635	24.80	—	91436	5.99	2.86
59790	.052	(a)	61212	15.70	—	68001	75.60	—	91481	21.90	—
59798	.17	.50	61216	17.40	—	68439	97.20	—	91507	3.22	3.01
59806	.122	(a)	61217	15.90	—	68500	3.95	—	91523	49.70	—
59867	.059	(a)	61218	10.80	—	68604	1.82	—	91547	.28	—
59886	.008	.108	61223	76.90	—	68606	7.10	—	91551	1.75	.68
59889	.066	.165	61224	24.50	—	68607	5.61	—	91555	2.05	1.09
59892	.065	(a)	61225	34.00	—	68702	4.62	—	91560	5.14	3.91
59904	.044	.061	61226	57.20	—	68703	3.47	—	91562	3.90	—
59905	.037	.132	61227	52.30	—	68706	14.90	—	91577	14.00	3.47
59914	.217	.68	62000	11.90	—	68707	14.70	—	91580	6.78	—
59915	.147	.75	62001	9.41	—	90089	5.07	—	91581	(a)	(a)
59917	.027	.205	62002	4.29	—	91111	4.40	7.31	91582	(a)	(a)
59923	.005	.004	62003	13.50	—	91125	3.05	1.85	91583	(a)	(a)
59925	.39	1.19	63010	32.30	—	91127	2.96	1.35	91584	(a)	(a)
59926	.33	.45	63011	40.40	—	91130	1.44	—	91585	(a)	(a)
59927	.223	1.42	63012	57.40	—	91135	.40	(a)	91586	(a)	(a)
59931	.097	.55	63013	54.40	—	91150	2.79	5.75	91587	(a)	(a)
59932	.105	.88	63215	44.70	—	91155	6.20	36.00	91588	(a)	(a)
59941	.033	(a)	63216	31.00	—	91160	1.23	—	91589	(a)	(a)
59947	.044	.32	63217	35.40	—	91175	1.06	—	91590	4.05	—
59955	.013	.143	63218	11.90	—	91177	4.62	—	91591	(a)	(a)
59963	.093	.41	63219	(a)	—	91179	4.64	—	91606	14.10	—

\$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
91618	(a)	(a)	95357	1.44	—	97653	3.68	2.90	98426	2.98	(a)
91629	2.88	(a)	95358	(a)	—	97654	6.41	3.21	98427	2.90	—
91636	4.93	—	95410	5.20	2.83	97655	5.40	4.43	98428	(a)	—
91641	1.34	(a)	95455	5.96	1.28	98002	.98	1.07	98429	1.28	—
91666	1.09	(a)	95487	2.79	(a)	98003	1.15	(a)	98430	(a)	—
91722	4.32	(a)	95505	2.78	2.40	98090	.155	—	98449	4.17	24.60
91746	3.90	6.30	95620	2.26	(a)	98091	.168	—	98482	4.47	6.87
91805	.245	—	95625	8.76	3.74	98092	.51	—	98483	6.60	20.70
92053	.60	.56	95630	(a)	(a)	98111	.86	—	98502	6.32	4.22
92054	.207	.235	95647	4.11	7.29	98150	(a)	—	98555	2.94	—
92055	5.79	.226	95648	(a)	(a)	98151	(a)	—	98597	.66	—
92101	9.05	3.18	96053	3.12	4.12	98152	3.29	.55	98598	.226	—
92102	5.45	3.34	96317	1.49	—	98153	3.70	(a)	98601	7.56	(a)
92215	4.89	3.36	96408	4.51	14.90	98154	4.37	(a)	98622	(a)	—
92338	2.09	2.26	96409	4.17	10.50	98155	6.12	(a)	98623	(a)	—
92445	2.83	—	96410	3.66	9.75	98156	(a)	(a)	98624	1.19	—
92446	6.88	1.53	96611	1.86	1.68	98157	3.91	.44	98636	4.19	3.92
92447	6.01	1.68	96702	5.18	(a)	98158	(a)	(a)	98640	130.00	—
92451	3.41	2.40	96703	(a)	—	98159	2.62	(a)	98658	6.32	—
92453	3.81	—	96816	4.86	—	98160	5.55	(a)	98659	1.13	.37
92478	1.89	1.91	96872	5.29	(a)	98161	6.22	(a)	98677	20.50	9.34
92593	44.80	—	96930	(a)	—	98162	(a)	(a)	98678	18.20	16.30
92663	.67	—	97002	(a)	(a)	98163	6.53	.212	98698	(a)	(a)
94007	12.90	5.40	97003	(a)	(a)	98164	2.88	.063	98699	5.94	(a)
94099	2.94	—	97047	5.64	—	98257	1.73	—	98705	8.94	—
94225	10.30	—	97050	4.38	—	98303	12.30	7.30	98710	4.13	—
94276	5.39	4.58	97111	6.22	—	98304	6.43	4.03	98751	4.78	—
94304	4.36	(a)	97220	.39	(a)	98305	4.53	2.03	98805	5.39	1.39
94381	8.18	10.70	97221	(a)	1.39	98306	11.70	.89	98806	3.90	3.51
94404	5.11	4.20	97222	2.26	2.11	98307	2.04	.43	98810	6.38	—
94444	(a)	(a)	97223	3.41	4.47	98308	1.34	1.11	98813	6.16	1.73
94569	3.45	3.73	97308	.72	—	98309	6.17	2.14	98820	10.30	3.45
94590	14.90	—	97447	2.36	5.13	98344	1.26	.81	98871	(a)	(a)
94617	4.69	—	97501	(a)	—	98405	2.08	—	98884	2.68	1.68
94638	(a)	—	97502	(a)	—	98413	16.90	(a)	98914	.77	.57
95124	1.73	.83	97503	(a)	—	98414	15.50	(a)	98949	1.08	.29
95233	3.71	—	97504	(a)	—	98415	2.04	(a)	98967	4.20	10.60
95305	4.03	—	97650	4.30	4.12	98423	4.84	(a)	98993	8.01	5.00
95306	5.65	—	97651	6.99	3.64	98424	8.22	(a)	99003	2.00	1.88
95310	9.63	1.03	97652	6.06	4.27	98425	3.37	(a)	99004	5.12	1.77

\$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
99080	1.41	7.70	99826	1.26	.57						
99081	(a)	—	99827	.51	.57						
99082	(a)	—	99851	2.07	—						
99083	(a)	—	99917	3.36	—						
99084	(a)	(a)	99938	3.77	—						
99085	(a)	(a)	99943	10.90	—						
99111	2.05	—	99946	8.14	2.73						
99160	(a)	—	99948	9.66	24.60						
99163	4.90	.42	99952	9.35	22.60						
99165	1.07	(a)	99953	10.10	12.20						
99220	1.70	(a)	99954	7.35	11.50						
99221	(a)	(a)	99955	9.20	7.70						
99222	3.19	(a)	99963	.81	—						
99223	.30	(a)	99969	3.08	2.47						
99303	16.40	—	99975	8.16	—						
99310	4.11	(a)	99986	(a)	—						
99315	12.10	1.94	99987	(a)	—						
99321	11.70	2.46	99988	2.72	—						
99445	(a)	(a)									
99471	.77	—									
99505	6.78	—									
99506	8.34	—									
99507	7.27	—									
99570	3.90	(a)									
99571	.95	(a)									
99572	1.85	(a)									
99573	1.77	(a)									
99600	2.23	—									
99613	10.40	2.25									
99614	4.97	—									
99620	.57	—									
99650	1.85	1.03									
99709	4.56	(a)									
99718	1.66	—									
99746	2.81	3.41									
99760	.32	—									
99777	11.10	—									
99793	3.56	—									
99798	(a)	(a)									
99803	(a)	9.66									

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
10010	.112	.195	10205	.225	—	11210	3.36	—	13207	(a)	(a)
10015	4.98	—	10220	4.24	—	11211	17.50	—	13208	(a)	(a)
10020	(a)	(a)	10255	.30	.147	11212	2.64	—	13314	.108	.016
10026	.58	.026	10256	1.09	.152	11213	2.16	—	13351	.26	.05
10036	.80	(a)	10257	.205	.169	11214	5.31	—	13352	.27	.051
10040	.085	.30	10309	.145	.02	11222	.089	—	13410	1.71	2.99
10042	.33	.39	10315	.34	(a)	11234	.25	.071	13411	(a)	(a)
10052	3.44	—	10331	6.75	—	11248	.057	.018	13412	.58	1.14
10054	3.06	—	10332	11.60	—	11258	1.32	.212	13453	.67	(a)
10060	.159	.102	10352	.64	.054	11259	1.42	.118	13454	.78	(a)
10065	.239	.036	10367	4.50	—	11273	12.60	—	13455	.79	(a)
10066	.244	.078	10368	6.57	—	11274	12.10	—	13461	(a)	(a)
10070	.064	.154	10375	(a)	—	11288	1.62	.077	13506	.83	.076
10071	.29	.147	10378	6.84	—	12014	.122	.04	13507	.99	.176
10072	5.09	—	10379	3.17	—	12356	1.06	.034	13590	.59	.74
10073	1.25	.65	10380	5.42	—	12361	.067	.077	13621	.149	.32
10075	9.27	.226	10381	4.69	—	12362	.07	(a)	13670	.038	.015
10100	1.10	.049	11007	1.91	—	12373	.027	.024	13673	1.00	.016
10101	.216	.181	11020	.27	.168	12374	.55	.067	13715	.07	.165
10105	2.34	—	11039	1.09	.067	12375	.27	.036	13716	.41	.14
10107	3.82	.34	11052	4.46	—	12391	.053	.082	13720	.57	.053
10110	16.90	—	11101	(a)	(a)	12393	.36	(a)	13759	.159	.125
10111	.14	.078	11120	(a)	—	12467	.15	(a)	13930	.149	.201
10113	.32	—	11126	.056	.022	12509	.074	.036	14068	.035	.014
10115	.64	.09	11127	.36	.01	12510	.94	.031	14101	.41	.049
10117	4.95	—	11128	.48	.098	12583	.42	(a)	14279	.57	.062
10119	(a)	—	11138	1.69	—	12651	1.22	.53	14401	1.33	.072
10120	11.10	—	11155	.192	—	12683	.56	(a)	14405	1.12	—
10130	3.19	—	11160	(a)	(a)	12707	.46	.64	14527	.29	.189
10132	2.74	—	11167	1.03	—	12797	.097	.196	14655	.08	—
10133	4.29	—	11168	5.33	—	12805	.29	.116	14731	4.42	—
10135	(a)	—	11201	16.70	—	12841	.48	—	14732	.33	—
10140	.031	.021	11202	4.95	—	12927	.084	—	14733	.56	—
10141	.062	.023	11203	.83	.52	13049	.035	.057	14734	.239	—
10145	.30	.009	11204	.28	1.85	13111	1.23	.093	14855	.26	.154
10146	.49	.014	11205	(a)	—	13112	.057	.063	14913	.30	.161
10150	.45	(a)	11206	.78	—	13201	1.08	.16	15060	(a)	(a)
10151	11.20	—	11207	9.81	—	13204	1.22	1.45	15061	(a)	(a)
10160	2.00	—	11208	1.68	—	13205	.47	.46	15062	.235	(a)
10204	.202	—	11209	7.90	—	13206	(a)	(a)	15063	.27	(a)

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
15070	.151	—	16750	.094	.032	18707	.011	.004	40117	(a)	—
15119	(a)	—	16751	.094	—	18708	.103	.022	40140	(a)	—
15120	(a)	—	16819	1.42	(a)	18833	.126	(a)	41001	.186	—
15123	4.28	—	16820	1.10	(a)	18834	.27	.145	41210	(a)	—
15124	1.50	—	16881	1.47	(a)	18911	.84	.023	41421	.51	—
15188	.41	(a)	16890	.167	(a)	18912	1.59	.038	41422	.27	—
15223	.044	.041	16891	.181	(a)	18920	.41	.022	41510	42.50	—
15224	.60	.059	16892	.33	(a)	18991	(a)	—	41603	24.00	—
15300	(a)	—	16900	2.37	.087	19007	1.67	—	41604	13.20	—
15314	.192	(a)	16901	1.52	.119	19051	3.71	—	41620	1.40	—
15404	.107	(a)	16902	1.29	.078	19061	(a)	—	41650	33.80	—
15405	.158	(a)	16905	2.49	.087	19795	.28	(a)	41664	23.50	—
15406	.40	.048	16906	1.59	.119	19796	.32	—	41665	2.75	—
15488	1.00	(a)	16910	1.42	.07	40005	(a)	—	41666	(a)	—
15538	.34	.019	16911	1.29	.055	40006	(a)	—	41667	64.20	—
15600	.86	.112	16915	1.46	.058	40010	(a)	—	41668	60.20	—
15607	.197	—	16916	1.21	.052	40015	(a)	—	41669	.42	—
15608	.192	.011	16920	3.23	.145	40020	(a)	—	41670	.71	—
15656	5.68	—	16921	2.95	.058	40026	(a)	—	41672	(a)	—
15699	.49	—	16930	1.86	.234	40031	(a)	—	41673	(a)	—
15733	.26	.037	16931	2.00	.091	40032	(a)	—	41675	(a)	—
15839	.26	.028	16940	4.03	.058	40040	(a)	—	41677	.29	—
15991	.211	.09	16941	1.61	.107	40041	(a)	—	41678	41.00	—
15993	.178	.06	18078	.127	.162	40042	(a)	—	41679	(a)	(a)
16005	.037	.034	18109	.35	.034	40045	155.00	—	41680	17.60	—
16009	.32	.094	18110	.28	.045	40046	30.70	—	41696	.92	—
16402	1.28	—	18200	(a)	—	40047	10.90	—	41697	.64	—
16403	.81	.186	18205	.196	.35	40059	3.92	—	41700	(a)	—
16404	1.02	—	18206	.46	.142	40061	2.08	—	41715	11.10	—
16471	.28	—	18335	.33	.023	40063	69.50	—	41716	7.09	—
16501	.079	(a)	18435	1.16	.057	40064	20.40	—	43007	(a)	—
16527	.121	.35	18436	.94	.133	40066	(a)	—	43117	(a)	—
16588	.149	(a)	18437	.47	(a)	40067	(a)	—	43151	16.10	—
16604	.25	.146	18438	.90	(a)	40069	(a)	—	43152	12.30	—
16670	2.80	—	18501	1.07	.012	40072	(a)	—	43200	61.40	—
16676	.27	.016	18506	.52	.007	40075	32.40	—	43215	(a)	—
16694	.49	(a)	18507	.169	.008	40101	13.10	—	43421	16.80	—
16705	.224	.148	18570	1.76	—	40102	11.60	—	43422	88.30	—
16722	(a)	—	18575	(a)	(a)	40111	5.50	—	43424	(a)	—
16723	(a)	—	18616	.40	.59	40115	(a)	—	43470	5.33	—

\$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
43517	(a)	—	44277	53.40	—	46004	32.10	—	47471	4.39	—
43518	10.10	—	44280	.29	—	46005	25.70	—	47473	5.74	—
43550	60.00	—	44311	5.20	—	46112	.051	—	47474	6.41	—
43551	33.30	—	44315	3.49	—	46202	2.58	—	47475	5.06	—
43626	8.05	—	44427	47.30	—	46362	143.00	—	47476	5.06	—
43628	105.00	—	44428	47.60	—	46426	20.90	—	47477	6.75	—
43629	88.70	—	44429	.71	—	46427	27.90	—	47478	7.09	—
43754	(a)	—	44430	.50	—	46510	(a)	—	47600	(a)	—
43760	2.95	—	44431	1.58	—	46590	(a)	—	47610	(a)	—
43822	4.24	—	44432	.50	—	46603	1.75	—	48039	43.50	—
43840	.052	—	44433	16.00	—	46604	2.02	—	48177	(a)	—
43860	3.34	—	44434	30.60	—	46606	5.39	—	48178	(a)	—
43889	1.19	—	44435	31.70	—	46607	7.41	—	48206	21.30	—
43945	(a)	—	44436	37.00	—	46622	12.40	—	48252	(a)	—
43946	(a)	—	44437	30.70	—	46671	(a)	—	48441	.089	—
43990	(a)	(a)	44438	24.20	—	46700	124.00	—	48557	8.95	—
43991	(a)	—	44439	47.20	—	46773	(a)	—	48558	7.78	—
44009	5.21	—	44440	39.00	—	46822	(a)	—	48600	41.80	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	8.61	—	44501	(a)	—	46882	(a)	—	48636	.80	(a)
44070	2.55	—	45190	2.03	—	46911	15.90	—	48637	6.84	—
44071	2.84	—	45191	1.44	—	46912	29.20	—	48638	3.39	—
44072	1.96	—	45192	1.68	—	46913	(a)	—	48727	(a)	—
44100	9.00	—	45193	.99	—	46914	(a)	—	48808	1.45	—
44101	9.37	—	45210	1.26	—	46915	(a)	—	48924	(a)	—
44102	7.31	—	45224	(a)	—	46916	(a)	—	48925	164.00	—
44103	6.47	—	45225	(a)	—	47050	1.16	—	49005	.197	—
44104	2.72	—	45334	35.40	—	47051	(a)	—	49111	2.22	—
44105	(a)	—	45380	.31	(a)	47052	(a)	—	49181	14.20	—
44106	(a)	—	45450	10.40	—	47103	(a)	—	49183	17.30	—
44108	3.19	—	45523	(a)	—	47146	(a)	—	49184	36.60	—
44109	8.06	—	45524	(a)	—	47147	(a)	—	49185	33.30	—
44110	8.25	—	45539	(a)	—	47221	135.00	—	49239	.229	.60
44111	5.06	—	45678	.31	—	47253	(a)	—	49292	1.04	—
44112	3.00	—	45771	.47	.164	47254	(a)	—	49305	(a)	—
44113	(a)	—	45819	.152	.078	47318	6.55	—	49333	7.63	—
44193	(a)	—	45900	.099	.046	47367	.29	—	49451	(a)	—
44194	(a)	—	45901	.084	.049	47420	1.43	—	49452	(a)	—
44222	(a)	—	45937	.139	—	47468	(a)	—	49617	.35	.23
44276	82.40	—	45993	(a)	(a)	47469	5.06	—	49618	.30	.074

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
49619	.56	.134	51315	.149	.106	51809	.247	.153	52341	.023	(a)
49763	3.61	—	51330	.049	.53	51833	.114	.06	52342	.066	(a)
49800	(a)	—	51333	.016	.34	51850	.118	(a)	52343	.04	(a)
49801	119.00	—	51340	.024	(a)	51851	.08	(a)	52401	.125	(a)
49802	10.60	—	51350	.177	.135	51852	.188	(a)	52402	.013	(a)
49803	18.70	—	51351	.158	.042	51853	.076	(a)	52432	.066	(a)
49840	1.19	—	51352	.217	.108	51854	.169	(a)	52433	.061	1.02
49870	68.40	—	51355	.148	.094	51855	.178	(a)	52435	.076	(a)
49890	(a)	—	51356	.159	.62	51856	.098	(a)	52438	.055	(a)
49891	(a)	—	51357	.211	.66	51857	.167	(a)	52440	.086	(a)
49902	(a)	—	51358	.51	.141	51869	.066	.136	52467	.08	(a)
49903	(a)	—	51359	.45	.78	51877	.37	.212	52469	.028	.104
50010	.144	.49	51370	.29	4.57	51889	.061	.012	52505	.139	.216
50015	.093	(a)	51380	.029	.044	51896	.029	.018	52547	.108	.078
50017	.071	(a)	51400	.114	(a)	51900	.085	.095	52581	.68	2.95
50045	.162	(a)	51401	.169	(a)	51909	.107	.056	52619	.048	(a)
50047	.018	(a)	51500	.055	.119	51919	.062	(a)	52660	.103	—
51001	.027	.45	51516	.087	—	51926	.063	.038	52744	.44	.081
51005	.006	(a)	51517	.099	—	51927	.034	.131	52767	.099	(a)
51116	.069	.69	51550	.067	.39	51934	.069	.125	52876	(a)	(a)
51201	.025	(a)	51551	.023	.91	51941	.062	.041	52911	.038	.45
51205	.075	.071	51552	.041	.159	51942	.10	—	52967	.014	.062
51206	.012	.39	51553	.072	(a)	51956	.27	.221	53001	.14	.33
51210	.048	(a)	51554	.007	(a)	51957	.238	.42	53077	.067	.207
51211	(a)	(a)	51575	.047	.02	51958	.211	.41	53095	.046	(a)
51220	.165	2.28	51576	.13	.093	51959	.216	(a)	53096	.064	(a)
51221	.092	1.78	51600	.088	.191	51960	.029	.35	53121	.182	.44
51222	.111	3.67	51613	.058	.139	51970	.124	.238	53147	.017	(a)
51224	.117	1.45	51625	.025	(a)	51982	.037	.083	53229	.094	(a)
51230	.02	.79	51666	.075	.101	51985	.081	—	53271	.034	(a)
51240	.30	.185	51702	.076	(a)	51986	.144	.103	53333	.092	.239
51241	.88	.26	51703	.031	(a)	51999	.06	.44	53374	.116	.31
51250	.127	(a)	51734	.059	.31	52002	.053	.129	53375	.061	.223
51251	.025	(a)	51741	.154	.26	52075	.093	.243	53376	.098	.194
51252	.089	.10	51752	.13	.165	52076	.112	(a)	53377	.101	.195
51253	.076	(a)	51767	.022	.008	52109	.013	(a)	53403	.064	(a)
51254	.024	.039	51777	.076	.078	52134	.178	.63	53425	.087	(a)
51255	.32	(a)	51790	.127	(a)	52137	.037	(a)	53565	.074	.108
51300	.105	.16	51796	.056	(a)	52150	.33	(a)	53631	.021	.022
51305	.105	.96	51808	.199	.73	52315	.099	.26	53632	.024	.034

\$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
53731	.022	(a)	56170	.085	(a)	57401	.044	.096	58503	.053	.076
53732	.152	.45	56171	.042	(a)	57403	.156	.035	58532	.068	(a)
53733	.099	.27	56202	.051	.089	57410	.021	.162	58559	.014	(a)
53734	.52	—	56390	.089	.64	57411	.021	(a)	58560	.034	(a)
53803	.207	(a)	56391	.076	.32	57572	.013	.108	58561	(a)	(a)
53901	(a)	(a)	56427	.123	.125	57600	.037	.034	58575	.043	.12
53902	(a)	(a)	56488	.127	.034	57611	.046	.062	58627	.139	.013
53903	(a)	(a)	56567	.088	(a)	57625	.33	(a)	58663	.196	1.28
53904	(a)	(a)	56650	.27	(a)	57651	.04	.041	58682	.124	(a)
53905	(a)	(a)	56651	.147	(a)	57690	.06	.49	58713	.049	(a)
53907	.067	.103	56652	.105	(a)	57716	.028	.082	58737	.09	.63
53951	(a)	(a)	56653	.101	(a)	57725	.062	.088	58756	.037	(a)
53952	(a)	(a)	56654	.052	(a)	57726	.048	.021	58757	.30	(a)
53953	(a)	(a)	56690	.066	.35	57798	.02	(a)	58759	.037	(a)
54012	.052	—	56699	.057	.057	57800	.076	(a)	58802	.043	.48
54077	.091	.40	56758	.048	.148	57808	.024	(a)	58813	.09	(a)
54444	(a)	(a)	56759	.049	.08	57809	.024	(a)	58822	.117	(a)
55010	.28	1.08	56760	.07	.098	57810	.024	.107	58837	.181	.162
55011	.074	1.57	56805	.093	(a)	57871	.028	.118	58840	.054	.127
55012	.089	1.18	56806	.066	(a)	57913	.098	.29	58873	.086	.03
55013	.079	1.14	56807	.065	(a)	57997	.116	—	58903	.027	(a)
55014	(a)	(a)	56808	.085	(a)	57998	.043	.058	58904	.021	.128
55214	.072	.088	56900	.082	(a)	57999	.039	.071	58922	.143	.168
55371	.29	.119	56910	.041	(a)	58009	.039	(a)	59005	.051	.096
55410	(a)	(a)	56911	.076	(a)	58010	.101	(a)	59057	.38	(a)
55426	.095	(a)	56912	.062	.09	58020	.168	(a)	59058	.243	(a)
55597	.018	1.79	56913	.05	(a)	58056	.12	(a)	59188	.33	.055
55647	.036	.062	56915	.30	(a)	58057	.076	(a)	59189	.46	.30
55648	.016	(a)	56916	.27	.205	58058	.068	(a)	59223	.089	.088
55649	.019	(a)	56917	.078	(a)	58095	.096	1.99	59257	.014	.013
55715	.143	.224	56918	.037	(a)	58096	.127	1.23	59306	.086	(a)
55716	.206	.52	56919	.095	(a)	58301	.03	.088	59378	.058	.15
55717	.126	(a)	56920	.087	(a)	58302	.034	.055	59481	.231	.099
55718	.122	(a)	56980	.071	(a)	58397	.199	.74	59482	.35	(a)
55802	.076	.009	57001	.024	.021	58408	.068	—	59537	.063	.21
55918	.082	2.74	57002	.016	.106	58409	.087	—	59601	.087	2.37
55919	.011	3.65	57090	.14	.66	58456	.046	—	59647	.155	.17
56040	.008	.033	57146	.088	.72	58457	.067	—	59660	.16	1.18
56041	.051	(a)	57202	.063	(a)	58458	.087	—	59661	.078	(a)
56042	.064	(a)	57257	.078	.035	58459	.104	—	59693	.013	—

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
59695	(a)	(a)	59964	.40	.069	63220	(a)	—	91190	2.49	(a)
59701	.006	.29	59970	.053	.183	64074	14.30	—	91200	.82	—
59713	.143	.31	59973	.11	(a)	64075	10.10	—	91210	(a)	—
59722	.074	.031	59975	.075	.227	64500	(a)	—	91235	3.41	2.74
59723	.028	.037	59977	.043	(a)	65007	22.20	—	91250	5.14	(a)
59724	.043	.019	59984	.03	.053	66122	9.57	—	91265	17.60	1.94
59725	.053	.116	59985	.117	(a)	66123	5.26	—	91266	9.30	1.07
59726	.039	.024	59986	.09	(a)	66309	15.40	—	91280	(a)	3.06
59738	.124	.064	59988	.019	.059	66561	35.60	—	91302	18.30	(a)
59750	.047	.222	59989	.016	.044	67017	33.00	—	91315	5.57	—
59751	.017	(a)	60010	11.90	—	67508	40.50	—	91324	12.40	(a)
59773	.02	.028	60011	13.60	—	67509	29.70	—	91325	(a)	(a)
59774	.016	.15	60012	22.40	—	67510	16.50	—	91340	8.09	8.96
59775	.021	.188	60013	19.20	—	67511	17.90	—	91341	5.30	5.07
59781	.04	.068	60015	14.40	—	67512	76.60	—	91342	7.42	3.72
59782	.06	.46	60016	16.10	—	67513	48.60	—	91343	1.17	1.76
59783	.059	(a)	60035	25.10	—	67634	28.60	—	91405	9.42	—
59784	.045	(a)	61000	11.70	—	67635	20.20	—	91436	5.99	2.86
59790	.096	(a)	61212	12.80	—	68001	61.70	—	91481	21.90	—
59798	.153	.50	61216	14.30	—	68439	79.40	—	91507	3.22	3.01
59806	.11	(a)	61217	12.90	—	68500	2.61	—	91523	49.70	—
59867	.108	(a)	61218	8.84	—	68604	1.48	—	91547	.28	—
59886	.015	.108	61223	62.80	—	68606	5.79	—	91551	1.75	.68
59889	.065	.165	61224	20.00	—	68607	4.58	—	91555	2.05	1.09
59892	.059	(a)	61225	27.80	—	68702	3.77	—	91560	5.14	3.91
59904	.04	.061	61226	46.70	—	68703	2.83	—	91562	3.90	—
59905	.067	.132	61227	42.80	—	68706	12.10	—	91577	14.00	3.47
59914	.40	.68	62000	9.69	—	68707	12.00	—	91580	6.78	—
59915	.132	.75	62001	7.68	—	90089	5.07	—	91581	(a)	(a)
59917	.024	.205	62002	3.50	—	91111	4.40	7.31	91582	(a)	(a)
59923	.01	.004	62003	11.10	—	91125	3.05	1.85	91583	(a)	(a)
59925	.46	1.19	63010	21.40	—	91127	2.96	1.35	91584	(a)	(a)
59926	.39	.45	63011	26.70	—	91130	1.44	—	91585	(a)	(a)
59927	.26	1.42	63012	38.00	—	91135	.40	(a)	91586	(a)	(a)
59931	.178	.55	63013	35.90	—	91150	2.79	5.75	91587	(a)	(a)
59932	.191	.88	63215	36.50	—	91155	6.20	36.00	91588	(a)	(a)
59941	.06	(a)	63216	25.30	—	91160	1.23	—	91589	(a)	(a)
59947	.04	.32	63217	31.20	—	91175	1.06	—	91590	4.05	—
59955	.023	.143	63218	10.50	—	91177	4.62	—	91591	(a)	(a)
59963	.17	.41	63219	(a)	—	91179	4.64	—	91606	14.10	—

\$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
91618	(a)	(a)	95357	1.44	—	97653	3.68	2.90	98426	2.98	(a)
91629	2.88	(a)	95358	(a)	—	97654	6.41	3.21	98427	2.90	—
91636	4.93	—	95410	5.20	2.83	97655	5.40	4.43	98428	(a)	—
91641	1.34	(a)	95455	5.96	1.28	98002	.98	1.07	98429	1.28	—
91666	1.09	(a)	95487	2.79	(a)	98003	1.15	(a)	98430	(a)	—
91722	4.32	(a)	95505	2.78	2.40	98090	.155	—	98449	4.17	24.60
91746	3.90	6.30	95620	2.26	(a)	98091	.168	—	98482	4.47	6.87
91805	.245	—	95625	8.76	3.74	98092	.51	—	98483	6.60	20.70
92053	.60	.56	95630	(a)	(a)	98111	.86	—	98502	6.32	4.22
92054	.207	.235	95647	4.11	7.29	98150	(a)	—	98555	2.94	—
92055	5.79	.226	95648	(a)	(a)	98151	(a)	—	98597	.66	—
92101	9.05	3.18	96053	3.12	4.12	98152	3.29	.55	98598	.226	—
92102	5.45	3.34	96317	1.49	—	98153	3.70	(a)	98601	7.56	(a)
92215	4.89	3.36	96408	4.51	14.90	98154	4.37	(a)	98622	(a)	—
92338	2.09	2.26	96409	4.17	10.50	98155	6.12	(a)	98623	(a)	—
92445	2.83	—	96410	3.66	9.75	98156	(a)	(a)	98624	1.19	—
92446	6.88	1.53	96611	1.86	1.68	98157	3.91	.44	98636	4.19	3.92
92447	6.01	1.68	96702	5.18	(a)	98158	(a)	(a)	98640	130.00	—
92451	3.41	2.40	96703	(a)	—	98159	2.62	(a)	98658	6.32	—
92453	3.81	—	96816	4.86	—	98160	5.55	(a)	98659	1.13	.37
92478	1.89	1.91	96872	5.29	(a)	98161	6.22	(a)	98677	20.50	9.34
92593	44.80	—	96930	(a)	—	98162	(a)	(a)	98678	18.20	16.30
92663	.67	—	97002	(a)	(a)	98163	6.53	.212	98698	(a)	(a)
94007	12.90	5.40	97003	(a)	(a)	98164	2.88	.063	98699	5.94	(a)
94099	2.94	—	97047	5.64	—	98257	1.73	—	98705	8.94	—
94225	10.30	—	97050	4.38	—	98303	12.30	7.30	98710	4.13	—
94276	5.39	4.58	97111	6.22	—	98304	6.43	4.03	98751	4.78	—
94304	4.36	(a)	97220	.39	(a)	98305	4.53	2.03	98805	5.39	1.39
94381	8.18	10.70	97221	(a)	1.39	98306	11.70	.89	98806	3.90	3.51
94404	5.11	4.20	97222	2.26	2.11	98307	2.04	.43	98810	6.38	—
94444	(a)	(a)	97223	3.41	4.47	98308	1.34	1.11	98813	6.16	1.73
94569	3.45	3.73	97308	.72	—	98309	6.17	2.14	98820	10.30	3.45
94590	14.90	—	97447	2.36	5.13	98344	1.26	.81	98871	(a)	(a)
94617	4.69	—	97501	(a)	—	98405	2.08	—	98884	2.68	1.68
94638	(a)	—	97502	(a)	—	98413	16.90	(a)	98914	.77	.57
95124	1.73	.83	97503	(a)	—	98414	15.50	(a)	98949	1.08	.29
95233	3.71	—	97504	(a)	—	98415	2.04	(a)	98967	4.20	10.60
95305	4.03	—	97650	4.30	4.12	98423	4.84	(a)	98993	8.01	5.00
95306	5.65	—	97651	6.99	3.64	98424	8.22	(a)	99003	2.00	1.88
95310	9.63	1.03	97652	6.06	4.27	98425	3.37	(a)	99004	5.12	1.77

\$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
99080	1.41	7.70	99826	1.26	.57						
99081	(a)	—	99827	.51	.57						
99082	(a)	—	99851	2.07	—						
99083	(a)	—	99917	3.36	—						
99084	(a)	(a)	99938	3.77	—						
99085	(a)	(a)	99943	10.90	—						
99111	2.05	—	99946	8.14	2.73						
99160	(a)	—	99948	9.66	24.60						
99163	4.90	.42	99952	9.35	22.60						
99165	1.07	(a)	99953	10.10	12.20						
99220	1.70	(a)	99954	7.35	11.50						
99221	(a)	(a)	99955	9.20	7.70						
99222	3.19	(a)	99963	.81	—						
99223	.30	(a)	99969	3.08	2.47						
99303	16.40	—	99975	8.16	—						
99310	4.11	(a)	99986	(a)	—						
99315	12.10	1.94	99987	(a)	—						
99321	11.70	2.46	99988	2.72	—						
99445	(a)	(a)									
99471	.77	—									
99505	6.78	—									
99506	8.34	—									
99507	7.27	—									
99570	3.90	(a)									
99571	.95	(a)									
99572	1.85	(a)									
99573	1.77	(a)									
99600	2.23	—									
99613	10.40	2.25									
99614	4.97	—									
99620	.57	—									
99650	1.85	1.03									
99709	4.56	(a)									
99718	1.66	—									
99746	2.81	3.41									
99760	.32	—									
99777	11.10	—									
99793	3.56	—									
99798	(a)	(a)									
99803	(a)	9.66									

\$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	.082	.195	10205	.28	—	11210	2.29	—	13207	(a)	(a)
10015	5.16	—	10220	5.28	—	11211	11.90	—	13208	(a)	(a)
10020	(a)	(a)	10255	.27	.147	11212	1.80	—	13314	.134	.016
10026	.72	.026	10256	.99	.152	11213	1.47	—	13351	.33	.05
10036	.73	(a)	10257	.186	.169	11214	3.61	—	13352	.33	.051
10040	.063	.30	10309	.181	.02	11222	.061	—	13410	1.55	2.99
10042	.42	.39	10315	.43	(a)	11234	.32	.071	13411	(a)	(a)
10052	3.57	—	10331	7.00	—	11248	.051	.018	13412	.52	1.14
10054	3.17	—	10332	12.10	—	11258	.89	.212	13453	.60	(a)
10060	.199	.102	10352	.43	.054	11259	.95	.118	13454	.71	(a)
10065	.30	.036	10367	3.06	—	11273	15.60	—	13455	.72	(a)
10066	.30	.078	10368	4.47	—	11274	15.00	—	13461	(a)	(a)
10070	.047	.154	10375	(a)	—	11288	1.09	.077	13506	1.03	.076
10071	.36	.147	10378	7.09	—	12014	.111	.04	13507	1.24	.176
10072	3.46	—	10379	3.29	—	12356	1.33	.034	13590	.53	.74
10073	1.13	.65	10380	5.62	—	12361	.079	.077	13621	.135	.32
10075	8.40	.226	10381	4.87	—	12362	.052	(a)	13670	.044	.015
10100	.74	.049	11007	1.30	—	12373	.02	.024	13673	.67	.016
10101	.27	.181	11020	.34	.168	12374	.69	.067	13715	.052	.165
10105	2.91	—	11039	.98	.067	12375	.34	.036	13716	.51	.14
10107	3.46	.34	11052	4.03	—	12391	.039	.082	13720	.38	.053
10110	17.60	—	11101	(a)	(a)	12393	.45	(a)	13759	.199	.125
10111	.103	.078	11120	(a)	—	12467	.187	(a)	13930	.11	.201
10113	.40	—	11126	.07	.022	12509	.067	.036	14068	.044	.014
10115	.80	.09	11127	.26	.01	12510	.85	.031	14101	.51	.049
10117	5.13	—	11128	.35	.098	12583	.38	(a)	14279	.51	.062
10119	(a)	—	11138	1.75	—	12651	1.11	.53	14401	.89	.072
10120	11.50	—	11155	.24	—	12683	.51	(a)	14405	.77	—
10130	3.97	—	11160	(a)	(a)	12707	.34	.64	14527	.211	.189
10132	3.42	—	11167	.93	—	12797	.071	.196	14655	.099	—
10133	3.88	—	11168	4.82	—	12805	.36	.116	14731	4.00	—
10135	(a)	—	11201	11.40	—	12841	.60	—	14732	.30	—
10140	.037	.021	11202	3.37	—	12927	.105	—	14733	.70	—
10141	.073	.023	11203	.61	.52	13049	.041	.057	14734	.30	—
10145	.35	.009	11204	.35	1.85	13111	.82	.093	14855	.237	.154
10146	.33	.014	11205	(a)	—	13112	.067	.063	14913	.37	.161
10150	.56	(a)	11206	.53	—	13201	.98	.16	15060	(a)	(a)
10151	14.00	—	11207	6.68	—	13204	1.11	1.45	15061	(a)	(a)
10160	2.49	—	11208	1.14	—	13205	.43	.46	15062	.213	(a)
10204	.25	—	11209	5.37	—	13206	(a)	(a)	15063	.248	(a)

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
15070	.103	—	16750	.117	.032	18707	.008	.004	40117	(a)	—
15119	(a)	—	16751	.117	—	18708	.129	.022	40140	(a)	—
15120	(a)	—	16819	1.29	(a)	18833	.093	(a)	41001	.193	—
15123	3.87	—	16820	1.00	(a)	18834	.33	.145	41210	(a)	—
15124	1.35	—	16881	1.83	(a)	18911	1.05	.023	41421	.244	—
15188	.37	(a)	16890	.151	(a)	18912	1.98	.038	41422	.13	—
15223	.052	.041	16891	.164	(a)	18920	.51	.022	41510	52.90	—
15224	.40	.059	16892	.30	(a)	18991	(a)	—	41603	11.50	—
15300	(a)	—	16900	2.45	.087	19007	1.51	—	41604	6.34	—
15314	.24	(a)	16901	1.57	.119	19051	3.35	—	41620	.95	—
15404	.097	(a)	16902	1.33	.078	19061	(a)	—	41650	16.30	—
15405	.143	(a)	16905	2.57	.087	19795	.34	(a)	41664	24.40	—
15406	.36	.048	16906	1.64	.119	19796	.40	—	41665	2.85	—
15488	.91	(a)	16910	1.47	.07	40005	(a)	—	41666	(a)	—
15538	.43	.019	16911	1.33	.055	40006	(a)	—	41667	66.60	—
15600	1.08	.112	16915	1.51	.058	40010	(a)	—	41668	62.40	—
15607	.134	—	16916	1.26	.052	40015	(a)	—	41669	.44	—
15608	.24	.011	16920	3.34	.145	40020	(a)	—	41670	.74	—
15656	7.08	—	16921	3.05	.058	40026	(a)	—	41672	(a)	—
15699	.33	—	16930	1.92	.234	40031	(a)	—	41673	(a)	—
15733	.237	.037	16931	2.07	.091	40032	(a)	—	41675	(a)	—
15839	.32	.028	16940	4.17	.058	40040	(a)	—	41677	.197	—
15991	.26	.09	16941	1.67	.107	40041	(a)	—	41678	27.90	—
15993	.222	.06	18078	.094	.162	40042	(a)	—	41679	(a)	(a)
16005	.027	.034	18109	.44	.034	40045	161.00	—	41680	8.45	—
16009	.29	.094	18110	.35	.045	40046	31.80	—	41696	.62	—
16402	1.59	—	18200	(a)	—	40047	11.30	—	41697	.43	—
16403	1.01	.186	18205	.145	.35	40059	4.06	—	41700	(a)	—
16404	1.27	—	18206	.57	.142	40061	2.15	—	41715	5.36	—
16471	.189	—	18335	.41	.023	40063	72.10	—	41716	3.41	—
16501	.058	(a)	18435	.78	.057	40064	21.20	—	43007	(a)	—
16527	.089	.35	18436	.63	.133	40066	(a)	—	43117	(a)	—
16588	.135	(a)	18437	.58	(a)	40067	(a)	—	43151	19.80	—
16604	.226	.146	18438	1.12	(a)	40069	(a)	—	43152	8.35	—
16670	2.91	—	18501	.71	.012	40072	(a)	—	43200	75.50	—
16676	.33	.016	18506	.47	.007	40075	39.90	—	43215	(a)	—
16694	.45	(a)	18507	.21	.008	40101	9.60	—	43421	20.70	—
16705	.165	.148	18570	2.20	—	40102	8.48	—	43422	109.00	—
16722	(a)	—	18575	(a)	(a)	40111	5.71	—	43424	(a)	—
16723	(a)	—	18616	.36	.59	40115	(a)	—	43470	3.63	—

\$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
43517	(a)	—	44277	65.70	—	46004	15.40	—	47471	2.11	—
43518	10.50	—	44280	.197	—	46005	12.40	—	47473	2.76	—
43550	73.80	—	44311	5.39	—	46112	.038	—	47474	3.09	—
43551	41.00	—	44315	3.62	—	46202	2.24	—	47475	2.44	—
43626	8.35	—	44427	34.70	—	46362	97.30	—	47476	2.44	—
43628	109.00	—	44428	34.90	—	46426	14.20	—	47477	3.25	—
43629	92.00	—	44429	.52	—	46427	19.00	—	47478	3.41	—
43754	(a)	—	44430	.36	—	46510	(a)	—	47600	(a)	—
43760	3.06	—	44431	1.16	—	46590	(a)	—	47610	(a)	—
43822	2.89	—	44432	.37	—	46603	1.19	—	48039	53.60	—
43840	.036	—	44433	11.70	—	46604	1.38	—	48177	(a)	—
43860	2.27	—	44434	22.40	—	46606	3.67	—	48178	(a)	—
43889	.81	—	44435	23.20	—	46607	5.04	—	48206	22.10	—
43945	(a)	—	44436	27.10	—	46622	8.44	—	48252	(a)	—
43946	(a)	—	44437	22.50	—	46671	(a)	—	48441	.093	—
43990	(a)	(a)	44438	17.80	—	46700	152.00	—	48557	9.28	—
43991	(a)	—	44439	34.60	—	46773	(a)	—	48558	8.07	—
44009	4.72	—	44440	28.60	—	46822	(a)	—	48600	28.40	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	8.93	—	44501	(a)	—	46882	(a)	—	48636	1.20	(a)
44070	2.64	—	45190	1.76	—	46911	16.50	—	48637	7.09	—
44071	2.94	—	45191	1.25	—	46912	30.30	—	48638	3.52	—
44072	2.03	—	45192	1.46	—	46913	(a)	—	48727	(a)	—
44100	5.57	—	45193	.86	—	46914	(a)	—	48808	1.81	—
44101	5.80	—	45210	1.09	—	46915	(a)	—	48924	(a)	—
44102	4.53	—	45224	(a)	—	46916	(a)	—	48925	170.00	—
44103	4.00	—	45225	(a)	—	47050	.79	—	49005	.134	—
44104	1.68	—	45334	43.50	—	47051	(a)	—	49111	2.77	—
44105	(a)	—	45380	.28	(a)	47052	(a)	—	49181	17.50	—
44106	(a)	—	45450	12.80	—	47103	(a)	—	49183	21.30	—
44108	1.97	—	45523	(a)	—	47146	(a)	—	49184	45.00	—
44109	4.99	—	45524	(a)	—	47147	(a)	—	49185	41.00	—
44110	5.11	—	45539	(a)	—	47221	167.00	—	49239	.208	.60
44111	3.13	—	45678	.213	—	47253	(a)	—	49292	1.28	—
44112	1.86	—	45771	.42	.164	47254	(a)	—	49305	(a)	—
44113	(a)	—	45819	.137	.078	47318	6.79	—	49333	9.39	—
44193	(a)	—	45900	.123	.046	47367	.197	—	49451	(a)	—
44194	(a)	—	45901	.105	.049	47420	1.49	—	49452	(a)	—
44222	(a)	—	45937	.171	—	47468	(a)	—	49617	.32	.23
44276	101.00	—	45993	(a)	(a)	47469	2.44	—	49618	.27	.074

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
49619	.50	.134	51315	.135	.106	51809	.245	.153	52341	.034	(a)
49763	3.27	—	51330	.073	.53	51833	.132	.06	52342	.10	(a)
49800	(a)	—	51333	.024	.34	51850	.178	(a)	52343	.061	(a)
49801	147.00	—	51340	.024	(a)	51851	.12	(a)	52401	.188	(a)
49802	13.00	—	51350	.203	.135	51852	.28	(a)	52402	.013	(a)
49803	23.00	—	51351	.182	.042	51853	.113	(a)	52432	.066	(a)
49840	.81	—	51352	.25	.108	51854	.25	(a)	52433	.06	1.02
49870	70.90	—	51355	.17	.094	51855	.27	(a)	52435	.076	(a)
49890	(a)	—	51356	.184	.62	51856	.147	(a)	52438	.055	(a)
49891	(a)	—	51357	.191	.66	51857	.25	(a)	52440	.086	(a)
49902	(a)	—	51358	.46	.141	51869	.065	.136	52467	.079	(a)
49903	(a)	—	51359	.40	.78	51877	.37	.212	52469	.028	.104
50010	.143	.49	51370	.29	4.57	51889	.061	.012	52505	.138	.216
50015	.093	(a)	51380	.029	.044	51896	.028	.018	52547	.163	.078
50017	.071	(a)	51400	.172	(a)	51900	.098	.095	52581	.67	2.95
50045	.161	(a)	51401	.25	(a)	51909	.16	.056	52619	.047	(a)
50047	.018	(a)	51500	.054	.119	51919	.061	(a)	52660	.07	—
51001	.041	.45	51516	.059	—	51926	.062	.038	52744	.50	.081
51005	.008	(a)	51517	.067	—	51927	.034	.131	52767	.149	(a)
51116	.104	.69	51550	.067	.39	51934	.068	.125	52876	(a)	(a)
51201	.024	(a)	51551	.023	.91	51941	.062	.041	52911	.038	.45
51205	.074	.071	51552	.04	.159	51942	.099	—	52967	.014	.062
51206	.012	.39	51553	.072	(a)	51956	.27	.221	53001	.139	.33
51210	.072	(a)	51554	.007	(a)	51957	.236	.42	53077	.067	.207
51211	(a)	(a)	51575	.055	.02	51958	.21	.41	53095	.046	(a)
51220	.248	2.28	51576	.129	.093	51959	.215	(a)	53096	.063	(a)
51221	.138	1.78	51600	.088	.191	51960	.028	.35	53121	.18	.44
51222	.167	3.67	51613	.058	.139	51970	.123	.238	53147	.025	(a)
51224	.175	1.45	51625	.038	(a)	51982	.036	.083	53229	.141	(a)
51230	.03	.79	51666	.086	.101	51985	.055	—	53271	.034	(a)
51240	.29	.185	51702	.113	(a)	51986	.143	.103	53333	.139	.239
51241	.87	.26	51703	.047	(a)	51999	.06	.44	53374	.133	.31
51250	.19	(a)	51734	.088	.31	52002	.053	.129	53375	.07	.223
51251	.025	(a)	51741	.152	.26	52075	.14	.243	53376	.113	.194
51252	.088	.10	51752	.129	.165	52076	.168	(a)	53377	.116	.195
51253	.075	(a)	51767	.025	.008	52109	.013	(a)	53403	.073	(a)
51254	.024	.039	51777	.088	.078	52134	.177	.63	53425	.131	(a)
51255	.48	(a)	51790	.146	(a)	52137	.055	(a)	53565	.085	.108
51300	.121	.16	51796	.056	(a)	52150	.32	(a)	53631	.021	.022
51305	.121	.96	51808	.197	.73	52315	.114	.26	53632	.024	.034

\$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
53731	.022	(a)	56170	.128	(a)	57401	.044	.096	58503	.053	.076
53732	.151	.45	56171	.063	(a)	57403	.18	.035	58532	.068	(a)
53733	.098	.27	56202	.05	.089	57410	.021	.162	58559	.014	(a)
53734	.36	—	56390	.088	.64	57411	.032	(a)	58560	.033	(a)
53803	.31	(a)	56391	.076	.32	57572	.012	.108	58561	(a)	(a)
53901	(a)	(a)	56427	.122	.125	57600	.037	.034	58575	.043	.12
53902	(a)	(a)	56488	.146	.034	57611	.069	.062	58627	.138	.013
53903	(a)	(a)	56567	.133	(a)	57625	.33	(a)	58663	.29	1.28
53904	(a)	(a)	56650	.41	(a)	57651	.04	.041	58682	.123	(a)
53905	(a)	(a)	56651	.221	(a)	57690	.089	.49	58713	.056	(a)
53907	.066	.103	56652	.158	(a)	57716	.042	.082	58737	.089	.63
53951	(a)	(a)	56653	.152	(a)	57725	.093	.088	58756	.055	(a)
53952	(a)	(a)	56654	.078	(a)	57726	.072	.021	58757	.30	(a)
53953	(a)	(a)	56690	.076	.35	57798	.02	(a)	58759	.037	(a)
54012	.036	—	56699	.056	.057	57800	.075	(a)	58802	.042	.48
54077	.091	.40	56758	.048	.148	57808	.036	(a)	58813	.135	(a)
54444	(a)	(a)	56759	.049	.08	57809	.037	(a)	58822	.116	(a)
55010	.27	1.08	56760	.07	.098	57810	.036	.107	58837	.27	.162
55011	.074	1.57	56805	.092	(a)	57871	.042	.118	58840	.081	.127
55012	.088	1.18	56806	.065	(a)	57913	.097	.29	58873	.13	.03
55013	.118	1.14	56807	.065	(a)	57997	.079	—	58903	.027	(a)
55014	(a)	(a)	56808	.084	(a)	57998	.043	.058	58904	.02	.128
55214	.071	.088	56900	.081	(a)	57999	.058	.071	58922	.215	.168
55371	.34	.119	56910	.041	(a)	58009	.058	(a)	59005	.05	.096
55410	(a)	(a)	56911	.115	(a)	58010	.10	(a)	59057	.37	(a)
55426	.143	(a)	56912	.093	.09	58020	.193	(a)	59058	.242	(a)
55597	.018	1.79	56913	.076	(a)	58056	.119	(a)	59188	.38	.055
55647	.036	.062	56915	.45	(a)	58057	.075	(a)	59189	.53	.30
55648	.016	(a)	56916	.40	.205	58058	.067	(a)	59223	.134	.088
55649	.019	(a)	56917	.117	(a)	58095	.095	1.99	59257	.014	.013
55715	.142	.224	56918	.056	(a)	58096	.126	1.23	59306	.085	(a)
55716	.205	.52	56919	.143	(a)	58301	.045	.088	59378	.087	.15
55717	.189	(a)	56920	.131	(a)	58302	.034	.055	59481	.229	.099
55718	.183	(a)	56980	.07	(a)	58397	.197	.74	59482	.40	(a)
55802	.088	.009	57001	.024	.021	58408	.047	—	59537	.094	.21
55918	.081	2.74	57002	.016	.106	58409	.059	—	59601	.086	2.37
55919	.011	3.65	57090	.21	.66	58456	.032	—	59647	.178	.17
56040	.008	.033	57146	.133	.72	58457	.046	—	59660	.159	1.18
56041	.05	(a)	57202	.062	(a)	58458	.059	—	59661	.078	(a)
56042	.063	(a)	57257	.077	.035	58459	.071	—	59693	.013	—

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
59695	(a)	(a)	59964	.39	.069	63220	(a)	—	91190	2.49	(a)
59701	.006	.29	59970	.08	.183	64074	12.50	—	91200	.82	—
59713	.142	.31	59973	.109	(a)	64075	8.77	—	91210	(a)	—
59722	.074	.031	59975	.112	.227	64500	(a)	—	91235	3.41	2.74
59723	.028	.037	59977	.064	(a)	65007	15.10	—	91250	5.14	(a)
59724	.042	.019	59984	.03	.053	66122	6.51	—	91265	17.60	1.94
59725	.053	.116	59985	.116	(a)	66123	3.58	—	91266	9.30	1.07
59726	.039	.024	59986	.089	(a)	66309	10.50	—	91280	(a)	3.06
59738	.123	.064	59988	.029	.059	66561	24.20	—	91302	18.30	(a)
59750	.07	.222	59989	.016	.044	67017	22.50	—	91315	5.57	—
59751	.025	(a)	60010	9.85	—	67508	19.50	—	91324	12.40	(a)
59773	.023	.028	60011	11.30	—	67509	14.30	—	91325	(a)	(a)
59774	.019	.15	60012	18.60	—	67510	7.97	—	91340	8.09	8.96
59775	.024	.188	60013	16.00	—	67511	8.62	—	91341	5.30	5.07
59781	.061	.068	60015	11.90	—	67512	36.90	—	91342	7.42	3.72
59782	.091	.46	60016	13.40	—	67513	23.40	—	91343	1.17	1.76
59783	.088	(a)	60035	17.10	—	67634	19.40	—	91405	9.42	—
59784	.068	(a)	61000	9.76	—	67635	13.80	—	91436	5.99	2.86
59790	.095	(a)	61212	8.71	—	68001	42.00	—	91481	21.90	—
59798	.23	.50	61216	9.69	—	68439	54.00	—	91507	3.22	3.01
59806	.165	(a)	61217	8.80	—	68500	2.17	—	91523	49.70	—
59867	.107	(a)	61218	6.01	—	68604	1.01	—	91547	.28	—
59886	.014	.108	61223	42.70	—	68606	3.94	—	91551	1.75	.68
59889	.074	.165	61224	13.60	—	68607	3.12	—	91555	2.05	1.09
59892	.088	(a)	61225	18.90	—	68702	2.57	—	91560	5.14	3.91
59904	.06	.061	61226	31.80	—	68703	1.93	—	91562	3.90	—
59905	.067	.132	61227	29.10	—	68706	8.26	—	91577	14.00	3.47
59914	.39	.68	62000	6.62	—	68707	8.16	—	91580	6.78	—
59915	.198	.75	62001	5.23	—	90089	5.07	—	91581	(a)	(a)
59917	.037	.205	62002	2.38	—	91111	4.40	7.31	91582	(a)	(a)
59923	.01	.004	62003	7.52	—	91125	3.05	1.85	91583	(a)	(a)
59925	.42	1.19	63010	17.70	—	91127	2.96	1.35	91584	(a)	(a)
59926	.35	.45	63011	22.20	—	91130	1.44	—	91585	(a)	(a)
59927	.237	1.42	63012	31.50	—	91135	.40	(a)	91586	(a)	(a)
59931	.177	.55	63013	29.90	—	91150	2.79	5.75	91587	(a)	(a)
59932	.19	.88	63215	24.90	—	91155	6.20	36.00	91588	(a)	(a)
59941	.059	(a)	63216	17.20	—	91160	1.23	—	91589	(a)	(a)
59947	.06	.32	63217	32.30	—	91175	1.06	—	91590	4.05	—
59955	.023	.143	63218	10.90	—	91177	4.62	—	91591	(a)	(a)
59963	.169	.41	63219	(a)	—	91179	4.64	—	91606	14.10	—

\$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
91618	(a)	(a)	95357	1.44	—	97653	3.68	2.90	98426	2.98	(a)
91629	2.88	(a)	95358	(a)	—	97654	6.41	3.21	98427	2.90	—
91636	4.93	—	95410	5.20	2.83	97655	5.40	4.43	98428	(a)	—
91641	1.34	(a)	95455	5.96	1.28	98002	.98	1.07	98429	1.28	—
91666	1.09	(a)	95487	2.79	(a)	98003	1.15	(a)	98430	(a)	—
91722	4.32	(a)	95505	2.78	2.40	98090	.155	—	98449	4.17	24.60
91746	3.90	6.30	95620	2.26	(a)	98091	.168	—	98482	4.47	6.87
91805	.245	—	95625	8.76	3.74	98092	.51	—	98483	6.60	20.70
92053	.60	.56	95630	(a)	(a)	98111	.86	—	98502	6.32	4.22
92054	.207	.235	95647	4.11	7.29	98150	(a)	—	98555	2.94	—
92055	5.79	.226	95648	(a)	(a)	98151	(a)	—	98597	.66	—
92101	9.05	3.18	96053	3.12	4.12	98152	3.29	.55	98598	.226	—
92102	5.45	3.34	96317	1.49	—	98153	3.70	(a)	98601	7.56	(a)
92215	4.89	3.36	96408	4.51	14.90	98154	4.37	(a)	98622	(a)	—
92338	2.09	2.26	96409	4.17	10.50	98155	6.12	(a)	98623	(a)	—
92445	2.83	—	96410	3.66	9.75	98156	(a)	(a)	98624	1.19	—
92446	6.88	1.53	96611	1.86	1.68	98157	3.91	.44	98636	4.19	3.92
92447	6.01	1.68	96702	5.18	(a)	98158	(a)	(a)	98640	130.00	—
92451	3.41	2.40	96703	(a)	—	98159	2.62	(a)	98658	6.32	—
92453	3.81	—	96816	4.86	—	98160	5.55	(a)	98659	1.13	.37
92478	1.89	1.91	96872	5.29	(a)	98161	6.22	(a)	98677	20.50	9.34
92593	44.80	—	96930	(a)	—	98162	(a)	(a)	98678	18.20	16.30
92663	.67	—	97002	(a)	(a)	98163	6.53	.212	98698	(a)	(a)
94007	12.90	5.40	97003	(a)	(a)	98164	2.88	.063	98699	5.94	(a)
94099	2.94	—	97047	5.64	—	98257	1.73	—	98705	8.94	—
94225	10.30	—	97050	4.38	—	98303	12.30	7.30	98710	4.13	—
94276	5.39	4.58	97111	6.22	—	98304	6.43	4.03	98751	4.78	—
94304	4.36	(a)	97220	.39	(a)	98305	4.53	2.03	98805	5.39	1.39
94381	8.18	10.70	97221	(a)	1.39	98306	11.70	.89	98806	3.90	3.51
94404	5.11	4.20	97222	2.26	2.11	98307	2.04	.43	98810	6.38	—
94444	(a)	(a)	97223	3.41	4.47	98308	1.34	1.11	98813	6.16	1.73
94569	3.45	3.73	97308	.72	—	98309	6.17	2.14	98820	10.30	3.45
94590	14.90	—	97447	2.36	5.13	98344	1.26	.81	98871	(a)	(a)
94617	4.69	—	97501	(a)	—	98405	2.08	—	98884	2.68	1.68
94638	(a)	—	97502	(a)	—	98413	16.90	(a)	98914	.77	.57
95124	1.73	.83	97503	(a)	—	98414	15.50	(a)	98949	1.08	.29
95233	3.71	—	97504	(a)	—	98415	2.04	(a)	98967	4.20	10.60
95305	4.03	—	97650	4.30	4.12	98423	4.84	(a)	98993	8.01	5.00
95306	5.65	—	97651	6.99	3.64	98424	8.22	(a)	99003	2.00	1.88
95310	9.63	1.03	97652	6.06	4.27	98425	3.37	(a)	99004	5.12	1.77

\$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
99080	1.41	7.70	99826	1.26	.57						
99081	(a)	—	99827	.51	.57						
99082	(a)	—	99851	2.07	—						
99083	(a)	—	99917	3.36	—						
99084	(a)	(a)	99938	3.77	—						
99085	(a)	(a)	99943	10.90	—						
99111	2.05	—	99946	8.14	2.73						
99160	(a)	—	99948	9.66	24.60						
99163	4.90	.42	99952	9.35	22.60						
99165	1.07	(a)	99953	10.10	12.20						
99220	1.70	(a)	99954	7.35	11.50						
99221	(a)	(a)	99955	9.20	7.70						
99222	3.19	(a)	99963	.81	—						
99223	.30	(a)	99969	3.08	2.47						
99303	16.40	—	99975	8.16	—						
99310	4.11	(a)	99986	(a)	—						
99315	12.10	1.94	99987	(a)	—						
99321	11.70	2.46	99988	2.72	—						
99445	(a)	(a)									
99471	.77	—									
99505	6.78	—									
99506	8.34	—									
99507	7.27	—									
99570	3.90	(a)									
99571	.95	(a)									
99572	1.85	(a)									
99573	1.77	(a)									
99600	2.23	—									
99613	10.40	2.25									
99614	4.97	—									
99620	.57	—									
99650	1.85	1.03									
99709	4.56	(a)									
99718	1.66	—									
99746	2.81	3.41									
99760	.32	—									
99777	11.10	—									
99793	3.56	—									
99798	(a)	(a)									
99803	(a)	9.66									

\$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	.127	.195	10205	.32	—	11210	3.55	—	13207	(a)	(a)
10015	5.79	—	10220	6.04	—	11211	18.50	—	13208	(a)	(a)
10020	(a)	(a)	10255	.213	.147	11212	2.79	—	13314	.154	.016
10026	.83	.026	10256	.78	.152	11213	2.28	—	13351	.37	.05
10036	.58	(a)	10257	.147	.169	11214	5.61	—	13352	.38	.051
10040	.096	.30	10309	.207	.02	11222	.094	—	13410	1.23	2.99
10042	.47	.39	10315	.49	(a)	11234	.36	.071	13411	(a)	(a)
10052	4.01	—	10331	7.85	—	11248	.041	.018	13412	.41	1.14
10054	3.55	—	10332	13.50	—	11258	1.32	.212	13453	.48	(a)
10060	.227	.102	10352	.64	.054	11259	1.41	.118	13454	.56	(a)
10065	.34	.036	10367	4.75	—	11273	17.90	—	13455	.57	(a)
10066	.35	.078	10368	6.94	—	11274	17.20	—	13461	(a)	(a)
10070	.072	.154	10375	(a)	—	11288	1.61	.077	13506	1.18	.076
10071	.41	.147	10378	7.95	—	12014	.087	.04	13507	1.42	.176
10072	5.37	—	10379	3.69	—	12356	1.52	.034	13590	.42	.74
10073	.90	.65	10380	6.30	—	12361	.075	.077	13621	.107	.32
10075	6.65	.226	10381	5.46	—	12362	.08	(a)	13670	.042	.015
10100	1.09	.049	11007	2.02	—	12373	.03	.024	13673	1.00	.016
10101	.31	.181	11020	.39	.168	12374	.79	.067	13715	.08	.165
10105	3.33	—	11039	.78	.067	12375	.39	.036	13716	.58	.14
10107	2.74	.34	11052	3.32	—	12391	.06	.082	13720	.56	.053
10110	19.70	—	11101	(a)	(a)	12393	.51	(a)	13759	.227	.125
10111	.158	.078	11120	(a)	—	12467	.214	(a)	13930	.17	.201
10113	.46	—	11126	.08	.022	12509	.053	.036	14068	.05	.014
10115	.92	.09	11127	.40	.01	12510	.68	.031	14101	.59	.049
10117	5.75	—	11128	.54	.098	12583	.30	(a)	14279	.41	.062
10119	(a)	—	11138	1.96	—	12651	.88	.53	14401	1.33	.072
10120	12.90	—	11155	.27	—	12683	.40	(a)	14405	1.19	—
10130	4.54	—	11160	(a)	(a)	12707	.52	.64	14527	.32	.189
10132	3.91	—	11167	.77	—	12797	.11	.196	14655	.114	—
10133	3.19	—	11168	3.97	—	12805	.41	.116	14731	3.30	—
10135	(a)	—	11201	17.70	—	12841	.69	—	14732	.244	—
10140	.034	.021	11202	5.23	—	12927	.12	—	14733	.79	—
10141	.069	.023	11203	.94	.52	13049	.039	.057	14734	.34	—
10145	.33	.009	11204	.40	1.85	13111	1.22	.093	14855	.188	.154
10146	.49	.014	11205	(a)	—	13112	.064	.063	14913	.43	.161
10150	.63	(a)	11206	.82	—	13201	.77	.16	15060	(a)	(a)
10151	16.00	—	11207	10.40	—	13204	.88	1.45	15061	(a)	(a)
10160	2.85	—	11208	1.78	—	13205	.34	.46	15062	.168	(a)
10204	.29	—	11209	8.34	—	13206	(a)	(a)	15063	.196	(a)

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
15070	.159	—	16750	.134	.032	18707	.012	.004	40117	(a)	—
15119	(a)	—	16751	.134	—	18708	.147	.022	40140	(a)	—
15120	(a)	—	16819	1.02	(a)	18833	.142	(a)	41001	.216	—
15123	3.19	—	16820	.79	(a)	18834	.38	.145	41210	(a)	—
15124	1.11	—	16881	2.09	(a)	18911	1.20	.023	41421	.221	—
15188	.30	(a)	16890	.119	(a)	18912	2.26	.038	41422	.118	—
15223	.049	.041	16891	.13	(a)	18920	.59	.022	41510	60.50	—
15224	.59	.059	16892	.237	(a)	18991	(a)	—	41603	10.50	—
15300	(a)	—	16900	2.71	.087	19007	1.25	—	41604	5.74	—
15314	.27	(a)	16901	1.74	.119	19051	2.76	—	41620	1.48	—
15404	.077	(a)	16902	1.47	.078	19061	(a)	—	41650	14.70	—
15405	.113	(a)	16905	2.85	.087	19795	.39	(a)	41664	27.30	—
15406	.29	.048	16906	1.82	.119	19796	.46	—	41665	3.20	—
15488	.72	(a)	16910	1.63	.07	40005	(a)	—	41666	(a)	—
15538	.49	.019	16911	1.47	.055	40006	(a)	—	41667	74.70	—
15600	1.23	.112	16915	1.67	.058	40010	(a)	—	41668	70.00	—
15607	.208	—	16916	1.39	.052	40015	(a)	—	41669	.49	—
15608	.27	.011	16920	3.70	.145	40020	(a)	—	41670	.82	—
15656	8.09	—	16921	3.38	.058	40026	(a)	—	41672	(a)	—
15699	.51	—	16930	2.13	.234	40031	(a)	—	41673	(a)	—
15733	.188	.037	16931	2.29	.091	40032	(a)	—	41675	(a)	—
15839	.37	.028	16940	4.62	.058	40040	(a)	—	41677	.31	—
15991	.30	.09	16941	1.85	.107	40041	(a)	—	41678	33.60	—
15993	.25	.06	18078	.144	.162	40042	(a)	—	41679	(a)	(a)
16005	.042	.034	18109	.50	.034	40045	181.00	—	41680	7.66	—
16009	.23	.094	18110	.40	.045	40046	35.70	—	41696	.97	—
16402	1.82	—	18200	(a)	—	40047	12.70	—	41697	.67	—
16403	1.15	.186	18205	.222	.35	40059	4.56	—	41700	(a)	—
16404	1.45	—	18206	.65	.142	40061	2.42	—	41715	4.86	—
16471	.29	—	18335	.47	.023	40063	80.80	—	41716	3.09	—
16501	.089	(a)	18435	1.16	.057	40064	23.80	—	43007	(a)	—
16527	.137	.35	18436	.93	.133	40066	(a)	—	43117	(a)	—
16588	.107	(a)	18437	.67	(a)	40067	(a)	—	43151	14.60	—
16604	.179	.146	18438	1.28	(a)	40069	(a)	—	43152	10.10	—
16670	3.26	—	18501	1.06	.012	40072	(a)	—	43200	55.70	—
16676	.38	.016	18506	.38	.007	40075	29.40	—	43215	(a)	—
16694	.35	(a)	18507	.24	.008	40101	16.00	—	43421	15.30	—
16705	.25	.148	18570	2.51	—	40102	14.10	—	43422	80.10	—
16722	(a)	—	18575	(a)	(a)	40111	6.40	—	43424	(a)	—
16723	(a)	—	18616	.29	.59	40115	(a)	—	43470	5.63	—

\$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
43517	(a)	—	44277	48.50	—	46004	14.00	—	47471	1.91	—
43518	11.70	—	44280	.31	—	46005	11.20	—	47473	2.50	—
43550	54.50	—	44311	6.05	—	46112	.063	—	47474	2.80	—
43551	30.20	—	44315	4.06	—	46202	1.97	—	47475	2.21	—
43626	9.37	—	44427	57.70	—	46362	117.00	—	47476	2.21	—
43628	122.00	—	44428	58.00	—	46426	17.10	—	47477	2.94	—
43629	103.00	—	44429	.87	—	46427	22.90	—	47478	3.09	—
43754	(a)	—	44430	.60	—	46510	(a)	—	47600	(a)	—
43760	3.44	—	44431	1.93	—	46590	(a)	—	47610	(a)	—
43822	4.48	—	44432	.61	—	46603	1.44	—	48039	39.50	—
43840	.055	—	44433	19.50	—	46604	1.66	—	48177	(a)	—
43860	3.53	—	44434	37.30	—	46606	4.42	—	48178	(a)	—
43889	1.26	—	44435	38.60	—	46607	6.07	—	48206	24.80	—
43945	(a)	—	44436	45.10	—	46622	13.10	—	48252	(a)	—
43946	(a)	—	44437	37.40	—	46671	(a)	—	48441	.104	—
43990	(a)	(a)	44438	29.60	—	46700	112.00	—	48557	10.40	—
43991	(a)	—	44439	57.50	—	46773	(a)	—	48558	9.05	—
44009	3.88	—	44440	47.60	—	46822	(a)	—	48600	34.20	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	10.00	—	44501	(a)	—	46882	(a)	—	48636	.99	(a)
44070	2.97	—	45190	1.55	—	46911	18.50	—	48637	7.95	—
44071	3.30	—	45191	1.10	—	46912	34.00	—	48638	3.95	—
44072	2.28	—	45192	1.29	—	46913	(a)	—	48727	(a)	—
44100	7.44	—	45193	.76	—	46914	(a)	—	48808	2.07	—
44101	7.75	—	45210	.96	—	46915	(a)	—	48924	(a)	—
44102	6.04	—	45224	(a)	—	46916	(a)	—	48925	190.00	—
44103	5.35	—	45225	(a)	—	47050	1.22	—	49005	.208	—
44104	2.25	—	45334	32.10	—	47051	(a)	—	49111	3.17	—
44105	(a)	—	45380	.22	(a)	47052	(a)	—	49181	12.90	—
44106	(a)	—	45450	9.45	—	47103	(a)	—	49183	15.70	—
44108	2.63	—	45523	(a)	—	47146	(a)	—	49184	33.20	—
44109	6.66	—	45524	(a)	—	47147	(a)	—	49185	30.20	—
44110	6.82	—	45539	(a)	—	47221	123.00	—	49239	.164	.60
44111	4.18	—	45678	.33	—	47253	(a)	—	49292	.94	—
44112	2.48	—	45771	.33	.164	47254	(a)	—	49305	(a)	—
44113	(a)	—	45819	.109	.078	47318	7.62	—	49333	6.93	—
44193	(a)	—	45900	.14	.046	47367	.31	—	49451	(a)	—
44194	(a)	—	45901	.12	.049	47420	1.67	—	49452	(a)	—
44222	(a)	—	45937	.126	—	47468	(a)	—	49617	.26	.23
44276	74.80	—	45993	(a)	(a)	47469	2.21	—	49618	.22	.074

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
49619	.41	.134	51315	.107	.106	51809	.213	.153	52341	.028	(a)
49763	2.69	—	51330	.06	.53	51833	.094	.06	52342	.082	(a)
49800	(a)	—	51333	.02	.34	51850	.146	(a)	52343	.05	(a)
49801	108.00	—	51340	.021	(a)	51851	.099	(a)	52401	.155	(a)
49802	9.60	—	51350	.145	.135	51852	.232	(a)	52402	.012	(a)
49803	17.00	—	51351	.13	.042	51853	.093	(a)	52432	.057	(a)
49840	1.26	—	51352	.179	.108	51854	.209	(a)	52433	.052	1.02
49870	79.50	—	51355	.122	.094	51855	.22	(a)	52435	.066	(a)
49890	(a)	—	51356	.131	.62	51856	.121	(a)	52438	.047	(a)
49891	(a)	—	51357	.151	.66	51857	.207	(a)	52440	.075	(a)
49902	(a)	—	51358	.36	.141	51869	.057	.136	52467	.069	(a)
49903	(a)	—	51359	.32	.78	51877	.32	.212	52469	.024	.104
50010	.124	.49	51370	.248	4.57	51889	.053	.012	52505	.12	.216
50015	.08	(a)	51380	.025	.044	51896	.025	.018	52547	.134	.078
50017	.061	(a)	51400	.142	(a)	51900	.07	.095	52581	.59	2.95
50045	.14	(a)	51401	.209	(a)	51909	.132	.056	52619	.041	(a)
50047	.016	(a)	51500	.047	.119	51919	.053	(a)	52660	.109	—
51001	.034	.45	51516	.092	—	51926	.054	.038	52744	.36	.081
51005	.007	(a)	51517	.104	—	51927	.029	.131	52767	.123	(a)
51116	.086	.69	51550	.058	.39	51934	.059	.125	52876	(a)	(a)
51201	.021	(a)	51551	.02	.91	51941	.054	.041	52911	.033	.45
51205	.064	.071	51552	.035	.159	51942	.086	—	52967	.012	.062
51206	.01	.39	51553	.062	(a)	51956	.232	.221	53001	.12	.33
51210	.059	(a)	51554	.006	(a)	51957	.205	.42	53077	.058	.207
51211	(a)	(a)	51575	.039	.02	51958	.182	.41	53095	.04	(a)
51220	.204	2.28	51576	.112	.093	51959	.186	(a)	53096	.055	(a)
51221	.113	1.78	51600	.076	.191	51960	.025	.35	53121	.157	.44
51222	.138	3.67	51613	.05	.139	51970	.107	.238	53147	.021	(a)
51224	.144	1.45	51625	.031	(a)	51982	.031	.083	53229	.116	(a)
51230	.025	.79	51666	.062	.101	51985	.086	—	53271	.03	(a)
51240	.25	.185	51702	.093	(a)	51986	.124	.103	53333	.114	.239
51241	.76	.26	51703	.039	(a)	51999	.052	.44	53374	.095	.31
51250	.157	(a)	51734	.073	.31	52002	.046	.129	53375	.05	.223
51251	.022	(a)	51741	.132	.26	52075	.115	.243	53376	.081	.194
51252	.077	.10	51752	.112	.165	52076	.139	(a)	53377	.083	.195
51253	.065	(a)	51767	.018	.008	52109	.012	(a)	53403	.052	(a)
51254	.02	.039	51777	.063	.078	52134	.153	.63	53425	.108	(a)
51255	.40	(a)	51790	.105	(a)	52137	.045	(a)	53565	.061	.108
51300	.087	.16	51796	.048	(a)	52150	.28	(a)	53631	.018	.022
51305	.087	.96	51808	.171	.73	52315	.082	.26	53632	.021	.034

\$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
53731	.019	(a)	56170	.106	(a)	57401	.038	.096	58503	.046	.076
53732	.131	.45	56171	.052	(a)	57403	.128	.035	58532	.059	(a)
53733	.085	.27	56202	.044	.089	57410	.018	.162	58559	.012	(a)
53734	.55	—	56390	.077	.64	57411	.026	(a)	58560	.029	(a)
53803	.26	(a)	56391	.066	.32	57572	.011	.108	58561	(a)	(a)
53901	(a)	(a)	56427	.106	.125	57600	.032	.034	58575	.037	.12
53902	(a)	(a)	56488	.105	.034	57611	.057	.062	58627	.12	.013
53903	(a)	(a)	56567	.109	(a)	57625	.28	(a)	58663	.242	1.28
53904	(a)	(a)	56650	.33	(a)	57651	.034	.041	58682	.107	(a)
53905	(a)	(a)	56651	.182	(a)	57690	.074	.49	58713	.04	(a)
53907	.058	.103	56652	.13	(a)	57716	.035	.082	58737	.077	.63
53951	(a)	(a)	56653	.125	(a)	57725	.076	.088	58756	.045	(a)
53952	(a)	(a)	56654	.064	(a)	57726	.059	.021	58757	.26	(a)
53953	(a)	(a)	56690	.054	.35	57798	.017	(a)	58759	.032	(a)
54012	.055	—	56699	.049	.057	57800	.065	(a)	58802	.037	.48
54077	.079	.40	56758	.041	.148	57808	.029	(a)	58813	.111	(a)
54444	(a)	(a)	56759	.042	.08	57809	.03	(a)	58822	.101	(a)
55010	.238	1.08	56760	.061	.098	57810	.029	.107	58837	.224	.162
55011	.064	1.57	56805	.08	(a)	57871	.035	.118	58840	.067	.127
55012	.077	1.18	56806	.057	(a)	57913	.084	.29	58873	.107	.03
55013	.097	1.14	56807	.056	(a)	57997	.122	—	58903	.023	(a)
55014	(a)	(a)	56808	.073	(a)	57998	.037	.058	58904	.018	.128
55214	.062	.088	56900	.07	(a)	57999	.048	.071	58922	.177	.168
55371	.242	.119	56910	.035	(a)	58009	.048	(a)	59005	.044	.096
55410	(a)	(a)	56911	.094	(a)	58010	.087	(a)	59057	.32	(a)
55426	.118	(a)	56912	.076	.09	58020	.138	(a)	59058	.21	(a)
55597	.015	1.79	56913	.062	(a)	58056	.104	(a)	59188	.27	.055
55647	.031	.062	56915	.37	(a)	58057	.065	(a)	59189	.38	.30
55648	.014	(a)	56916	.33	.205	58058	.059	(a)	59223	.11	.088
55649	.017	(a)	56917	.096	(a)	58095	.082	1.99	59257	.012	.013
55715	.123	.224	56918	.046	(a)	58096	.109	1.23	59306	.074	(a)
55716	.178	.52	56919	.118	(a)	58301	.037	.088	59378	.072	.15
55717	.156	(a)	56920	.108	(a)	58302	.03	.055	59481	.199	.099
55718	.151	(a)	56980	.061	(a)	58397	.171	.74	59482	.29	(a)
55802	.063	.009	57001	.021	.021	58408	.072	—	59537	.077	.21
55918	.07	2.74	57002	.014	.106	58409	.092	—	59601	.075	2.37
55919	.01	3.65	57090	.173	.66	58456	.049	—	59647	.127	.17
56040	.007	.033	57146	.109	.72	58457	.071	—	59660	.138	1.18
56041	.044	(a)	57202	.054	(a)	58458	.092	—	59661	.068	(a)
56042	.055	(a)	57257	.067	.035	58459	.11	—	59693	.011	—

DIVISION SIX

PREM/OPS TERR. 505

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 505 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
59695	(a)	(a)	59964	.34	.069	63220	(a)	—	91190	2.49	(a)
59701	.005	.29	59970	.066	.183	64074	10.90	—	91200	.82	—
59713	.123	.31	59973	.094	(a)	64075	7.71	—	91210	(a)	—
59722	.064	.031	59975	.092	.227	64500	(a)	—	91235	3.41	2.74
59723	.024	.037	59977	.053	(a)	65007	18.20	—	91250	5.14	(a)
59724	.037	.019	59984	.026	.053	66122	7.84	—	91265	17.60	1.94
59725	.046	.116	59985	.101	(a)	66123	4.31	—	91266	9.30	1.07
59726	.033	.024	59986	.077	(a)	66309	12.60	—	91280	(a)	3.06
59738	.107	.064	59988	.024	.059	66561	29.20	—	91302	18.30	(a)
59750	.058	.222	59989	.014	.044	67017	27.10	—	91315	5.57	—
59751	.021	(a)	60010	10.00	—	67508	17.70	—	91324	12.40	(a)
59773	.016	.028	60011	11.50	—	67509	13.00	—	91325	(a)	(a)
59774	.013	.15	60012	18.90	—	67510	7.22	—	91340	8.09	8.96
59775	.017	.188	60013	16.20	—	67511	7.80	—	91341	5.30	5.07
59781	.05	.068	60015	12.10	—	67512	33.40	—	91342	7.42	3.72
59782	.075	.46	60016	13.60	—	67513	21.20	—	91343	1.17	1.76
59783	.073	(a)	60035	20.50	—	67634	23.40	—	91405	9.42	—
59784	.056	(a)	61000	9.92	—	67635	16.60	—	91436	5.99	2.86
59790	.082	(a)	61212	10.50	—	68001	50.60	—	91481	21.90	—
59798	.19	.50	61216	11.70	—	68439	65.10	—	91507	3.22	3.01
59806	.136	(a)	61217	10.60	—	68500	2.20	—	91523	49.70	—
59867	.093	(a)	61218	7.24	—	68604	1.21	—	91547	.28	—
59886	.013	.108	61223	51.50	—	68606	4.75	—	91551	1.75	.68
59889	.053	.165	61224	16.40	—	68607	3.76	—	91555	2.05	1.09
59892	.073	(a)	61225	22.80	—	68702	3.09	—	91560	5.14	3.91
59904	.049	.061	61226	38.30	—	68703	2.32	—	91562	3.90	—
59905	.058	.132	61227	35.10	—	68706	9.94	—	91577	14.00	3.47
59914	.34	.68	62000	7.97	—	68707	9.83	—	91580	6.78	—
59915	.163	.75	62001	6.30	—	90089	5.07	—	91581	(a)	(a)
59917	.03	.205	62002	2.87	—	91111	4.40	7.31	91582	(a)	(a)
59923	.008	.004	62003	9.06	—	91125	3.05	1.85	91583	(a)	(a)
59925	.33	1.19	63010	18.00	—	91127	2.96	1.35	91584	(a)	(a)
59926	.28	.45	63011	22.50	—	91130	1.44	—	91585	(a)	(a)
59927	.188	1.42	63012	32.10	—	91135	.40	(a)	91586	(a)	(a)
59931	.153	.55	63013	30.30	—	91150	2.79	5.75	91587	(a)	(a)
59932	.165	.88	63215	29.90	—	91155	6.20	36.00	91588	(a)	(a)
59941	.051	(a)	63216	20.80	—	91160	1.23	—	91589	(a)	(a)
59947	.049	.32	63217	36.30	—	91175	1.06	—	91590	4.05	—
59955	.02	.143	63218	12.20	—	91177	4.62	—	91591	(a)	(a)
59963	.146	.41	63219	(a)	—	91179	4.64	—	91606	14.10	—

\$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
91618	(a)	(a)	95357	1.44	—	97653	3.68	2.90	98426	2.98	(a)
91629	2.88	(a)	95358	(a)	—	97654	6.41	3.21	98427	2.90	—
91636	4.93	—	95410	5.20	2.83	97655	5.40	4.43	98428	(a)	—
91641	1.34	(a)	95455	5.96	1.28	98002	.98	1.07	98429	1.28	—
91666	1.09	(a)	95487	2.79	(a)	98003	1.15	(a)	98430	(a)	—
91722	4.32	(a)	95505	2.78	2.40	98090	.155	—	98449	4.17	24.60
91746	3.90	6.30	95620	2.26	(a)	98091	.168	—	98482	4.47	6.87
91805	.245	—	95625	8.76	3.74	98092	.51	—	98483	6.60	20.70
92053	.60	.56	95630	(a)	(a)	98111	.86	—	98502	6.32	4.22
92054	.207	.235	95647	4.11	7.29	98150	(a)	—	98555	2.94	—
92055	5.79	.226	95648	(a)	(a)	98151	(a)	—	98597	.66	—
92101	9.05	3.18	96053	3.12	4.12	98152	3.29	.55	98598	.226	—
92102	5.45	3.34	96317	1.49	—	98153	3.70	(a)	98601	7.56	(a)
92215	4.89	3.36	96408	4.51	14.90	98154	4.37	(a)	98622	(a)	—
92338	2.09	2.26	96409	4.17	10.50	98155	6.12	(a)	98623	(a)	—
92445	2.83	—	96410	3.66	9.75	98156	(a)	(a)	98624	1.19	—
92446	6.88	1.53	96611	1.86	1.68	98157	3.91	.44	98636	4.19	3.92
92447	6.01	1.68	96702	5.18	(a)	98158	(a)	(a)	98640	130.00	—
92451	3.41	2.40	96703	(a)	—	98159	2.62	(a)	98658	6.32	—
92453	3.81	—	96816	4.86	—	98160	5.55	(a)	98659	1.13	.37
92478	1.89	1.91	96872	5.29	(a)	98161	6.22	(a)	98677	20.50	9.34
92593	44.80	—	96930	(a)	—	98162	(a)	(a)	98678	18.20	16.30
92663	.67	—	97002	(a)	(a)	98163	6.53	.212	98698	(a)	(a)
94007	12.90	5.40	97003	(a)	(a)	98164	2.88	.063	98699	5.94	(a)
94099	2.94	—	97047	5.64	—	98257	1.73	—	98705	8.94	—
94225	10.30	—	97050	4.38	—	98303	12.30	7.30	98710	4.13	—
94276	5.39	4.58	97111	6.22	—	98304	6.43	4.03	98751	4.78	—
94304	4.36	(a)	97220	.39	(a)	98305	4.53	2.03	98805	5.39	1.39
94381	8.18	10.70	97221	(a)	1.39	98306	11.70	.89	98806	3.90	3.51
94404	5.11	4.20	97222	2.26	2.11	98307	2.04	.43	98810	6.38	—
94444	(a)	(a)	97223	3.41	4.47	98308	1.34	1.11	98813	6.16	1.73
94569	3.45	3.73	97308	.72	—	98309	6.17	2.14	98820	10.30	3.45
94590	14.90	—	97447	2.36	5.13	98344	1.26	.81	98871	(a)	(a)
94617	4.69	—	97501	(a)	—	98405	2.08	—	98884	2.68	1.68
94638	(a)	—	97502	(a)	—	98413	16.90	(a)	98914	.77	.57
95124	1.73	.83	97503	(a)	—	98414	15.50	(a)	98949	1.08	.29
95233	3.71	—	97504	(a)	—	98415	2.04	(a)	98967	4.20	10.60
95305	4.03	—	97650	4.30	4.12	98423	4.84	(a)	98993	8.01	5.00
95306	5.65	—	97651	6.99	3.64	98424	8.22	(a)	99003	2.00	1.88
95310	9.63	1.03	97652	6.06	4.27	98425	3.37	(a)	99004	5.12	1.77

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Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
99080	1.41	7.70	99826	1.26	.57						
99081	(a)	—	99827	.51	.57						
99082	(a)	—	99851	2.07	—						
99083	(a)	—	99917	3.36	—						
99084	(a)	(a)	99938	3.77	—						
99085	(a)	(a)	99943	10.90	—						
99111	2.05	—	99946	8.14	2.73						
99160	(a)	—	99948	9.66	24.60						
99163	4.90	.42	99952	9.35	22.60						
99165	1.07	(a)	99953	10.10	12.20						
99220	1.70	(a)	99954	7.35	11.50						
99221	(a)	(a)	99955	9.20	7.70						
99222	3.19	(a)	99963	.81	—						
99223	.30	(a)	99969	3.08	2.47						
99303	16.40	—	99975	8.16	—						
99310	4.11	(a)	99986	(a)	—						
99315	12.10	1.94	99987	(a)	—						
99321	11.70	2.46	99988	2.72	—						
99445	(a)	(a)									
99471	.77	—									
99505	6.78	—									
99506	8.34	—									
99507	7.27	—									
99570	3.90	(a)									
99571	.95	(a)									
99572	1.85	(a)									
99573	1.77	(a)									
99600	2.23	—									
99613	10.40	2.25									
99614	4.97	—									
99620	.57	—									
99650	1.85	1.03									
99709	4.56	(a)									
99718	1.66	—									
99746	2.81	3.41									
99760	.32	—									
99777	11.10	—									
99793	3.56	—									
99798	(a)	(a)									
99803	(a)	9.66									