LOSS COSTS – IMPLEMENTATION   JULY 10, 2018

                                          GENERAL LIABILITY   LI-GL-2018-063

TENNESSEE GENERAL LIABILITY ADVISORY PROSPECTIVE LOSS COST REVISION TO BE IMPLEMENTED

KEY MESSAGE

Revised overall prospective loss costs for -1.0% to be implemented.

BACKGROUND

In circular LI-GL-2018-050, we provided you with information about the General Liability loss cost level experience review.

ISO ACTION

We are implementing GL-2018-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, 2019.

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, 2019, 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 1, 2019. 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-2018-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-2017-074 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 6-19 (or the earliest possible subsequent date), along with any new and/or revised manual pages.

REFERENCE(S)

- LI-GL-2018-050 (06/13/2018) General Liability Basic Limit Experience For 2018 Group 3 Jurisdictions Reviewed By Staff
- LI-CL-2017-074 (11/20/2017) Revised Lead Time Requirements Listing

ATTACHMENT(S)

- GL-2018-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.

COPYRIGHT EXPLANATION

The material distributed by Insurance Services Office, Inc. is copyrighted. All rights reserved. Possession of these pages does not confer the right to print, reprint, publish, copy, sell, file, or use same in any manner without the written permission of the copyright owner. Permission is hereby granted to members, subscribers, and service purchasers to reprint, copy, or otherwise use the enclosed material for purposes of their own business use relating to that territory or line or kind of insurance, or subdivision thereof, for which they participate, provided that:

(A)   Where ISO copyrighted material is reprinted, copied, or otherwise used **as a whole,** it must reflect the copyright notice actually shown on such material.

(B)   Where ISO copyrighted material is reprinted, copied, or otherwise used **in part,** the following credit legend must appear at the bottom of each page so used:

Includes copyrighted material of Insurance Services Office, Inc., with its permission.

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, David Terné, am a Managing Director of Actuarial Operations 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.

CONTACT INFORMATION

If you have any questions concerning:

- The actuarial content of this circular, please contact:

  Xuan Chen
  Actuarial Operations, Casualty
  201-469-2691
  Xuan.Chen@verisk.com
  casualtyactuarial@verisk.com

- The non-actuarial content of this circular, please contact:

  Jeannette Schuff
  Production Operations, Compliance and Product Services
  201-469-2857
  Jeannette.Schuff@verisk.com
  casualtyactuarial@verisk.com

- Other issues for this circular, please contact Customer Support:

  E-mail: info@verisk.com
  Phone: 800-888-4476

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-2018-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 - 1.0% 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 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.

LOSS COST LEVEL CHANGES

The statewide advisory loss cost level changes are:

SUBLINE	INDICATED	SELECTED
M&C	+ 1.0%	+ 1.0%
OL&T	+ 3.4%	+ 3.4%
Premises/Operations	+ 2.3%	+ 2.3%
Products	- 7.4%	- 7.4%
Local Products/Completed Operations	- 14.0%	- 14.0%
Products/Completed Operations	- 11.9%	- 11.9%
GL Overall	- 1.0%	- 1.0%

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

INDICATED VS. SELECTED

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

CAPPING

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

PRIOR ISO REVISIONS

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

CHANGES TO METHODOLOGY

When calculating the statewide loss cost level change indication, the expected experience ratio no longer includes the selected change from the last review divided by the implemented change. See Section B and C for further information regarding the expected experience ratio.

HISTORICAL
SOURCE DATA

The data used in this document is:

- ISO reporting companies' voluntary experience.
- Fiscal - accident year data through year ended 6/30/2017 for Premises/Operations.
- Calendar - accident year data through year ended 12/31/2016 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 6/1/2019. The Products/ Completed Operations portion of this review uses a trend date of 7/1/2018 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 6/30/2017 were used in selecting annual trend factors. For Products/Completed Operations, occurrence cost data and occurrence frequency data through 12/31/2016 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)	PRODUCTS LIABILITY (ASLOB 18.0)
	1 Travelers Indemnity Co.	1 Chubb Group of Insurance Cos.
	2 Zurich American Insurance Co.	2 Zurich American Insurance Co.
	3 Cincinnati Insurance Co.	3 Travelers Indemnity Co.
	4 Chubb Group of Insurance Cos.	4 Liberty Mutual Insurance Co.
	5 Continental Casualty Co.	5 Fireman's Fund Insurance Co.
	6 XL Specialty Insurance Co.	6 Selective Insurance Group
	7 Liberty Mutual Insurance Co.	7 Cincinnati Insurance Co.
	8 Hartford Accident & Indemnity Co.	8 Hartford Accident & Indemnity Co.
	9 Tokio Marine Cos.	9 Nationwide Mutual Insurance Co.
	10 Nationwide Mutual Insurance Co.	10 Continental Casualty Co.

Insurers are listed in descending order based on the percent of written premium volume from Statutory Page 14 Data for the year ending 12/31/2016 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 12/31/2016 is:

Statewide - Other Liability (ASLOB 17.0)	36.5%
Multistate - Products Liability (ASLOB 18.0)	47.7%

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.

This material has been developed exclusively by the staff of Insurance Services Office, Inc.

TENNESSEE
PRIOR REVISIONS

The latest implemented revisions in this state are:

Document: GL-2017-BGL1

Coverage	Effective Date	Loss Cost Level Changes		
		Indicated	Selected	Implemented
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%

Document: GL-2016-BGL1

Coverage	Effective Date	Loss Cost Level Changes		
		Indicated	Selected	Implemented
M&C		- 2.8%	- 2.8%	- 2.8%
OL&T		- 6.2%	- 6.2%	- 6.2%
Prem/Ops Combined		- 4.8%	- 4.8%	- 4.8%
Products		- 5.0%	- 5.0%	- 5.0%
Local Products/Completed Ops		- 4.9%	- 4.9%	- 4.9%
Products/Completed Ops Combined		- 4.9%	- 4.9%	- 4.9%
General Liability Overall	6/1/2017	- 4.8%	- 4.8%	- 4.8%

Document: GL-2015-BGL1

Coverage	Effective Date	Loss Cost Level Changes		
		Indicated	Selected	Implemented
M&C		- 4.4%	- 4.4%	- 4.4%
OL&T		- 3.8%	- 3.8%	- 3.8%
Prem/Ops Combined		- 4.0%	- 4.0%	- 4.0%
Products		- 8.4%	- 8.4%	- 8.4%
Local Products/Completed Ops		- 18.0%	- 18.0%	- 18.0%
Products/Completed Ops Combined		- 15.4%	- 15.4%	- 15.4%
General Liability Overall	4/1/2016	- 7.3%	- 7.3%	- 7.3%

GENERAL LIABILITY OTHER THAN PROFESSIONAL
PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS
TABLE OF CONTENTS

GENERAL LIABILITY OTHER THAN PROFESSIONAL
PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS
TABLE OF CONTENTS (Cont'd)

GENERAL LIABILITY OTHER THAN PROFESSIONAL
PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS
TABLE OF CONTENTS (Cont'd)

SECTION E - SUPPORTING MATERIAL -- PREMISES/OPERATIONS

SECTION F - SUPPORTING MATERIAL -- PRODUCTS

GENERAL LIABILITY OTHER THAN PROFESSIONAL
PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS
TABLE OF CONTENTS (Cont'd)

SECTION G - SUPPORTING MATERIAL -- LOCAL PRODUCTS/COMPLETED OPERATIONS

SECTION A

SCOPE OF REVISION

TABLE OF CONTENTS

TENNESSEE

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

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

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

Summary of Indications and Selected Loss Cost Level Changes	Manufacturers And Contractors	Owners, Landlords and Tenants	Overall Premises/ Operations	Products	Local Products/ Completed Operations	Products/ Completed Operations	Overall General Liability Other Than Professional
Statewide Indicated Monoline-Multiline Loss Cost Level Change (See Section C)	- 0.6%	+ 1.7%	+ 0.7%				
Statewide Indicated Monoline Loss Cost Level Change (See Section C)	+ 1.0%	+ 3.4%	+ 2.3%	- 7.4%*	- 14.0%**	- 11.9%	- 1.0%
Statewide Selected Monoline Loss Cost Level Change (See Section C)	+ 1.0%	+ 3.4%	+ 2.3%	- 7.4%*	- 14.0%	- 11.9%	- 1.0%

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

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

TENNESSEE

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

CODE	TERRITORY DESCRIPTION	LATEST YEAR MONO/MULTI AGGREGATE LOSS COSTS AT CURRENT LEVEL (ALCCL)	INDICATED LOSS COST LEVEL CHANGE BEFORE CAPPING	LOSS COST LEVEL CHANGE AFTER CAPPING
501	Memphis	$ 2,557,104	+ 6.8%	+ 6.8%
503	Chattanooga, Knoxville and Nashville	6,337,521	+ 3.2%	+ 3.2%
504	Carter, Sullivan, Unicoi and Washington Counties	740,487	+ 1.8%	+ 1.8%
505	Remainder of State	8,526,566	+ 2.6%	+ 2.7%
	STATEWIDE TOTAL	$ 18,161,678	+ 3.4%	+ 3.4%

TENNESSEE

PREMISES/OPERATIONS
CLASS GROUP LOSS COST LEVEL CHANGES

MANUFACTURERS AND CONTRACTORS LIABILITY INSURANCE

CLASS GROUP	DESCRIPTION	LATEST YEAR MONO/MULTI ALCCL	INDICATED LOSS COST LEVEL CHANGE BEFORE CAPPING	LOSS COST LEVEL CHANGE AFTER CAPPING
30	SERVICE	$ 1,293,467	+ 0.1%	- 0.6%
31	LIGHT CONTRACTING	1,629,416	+ 9.9%	+ 9.1%
32	MEDIUM CONTRACTING	5,270,610	- 0.5%	- 1.3%
33	HEAVY CONTRACTING	1,592,123	+ 5.5%	+ 4.8%
34	DEALERS OR DISTRIBUTORS	1,168,500	+ 5.3%	+ 7.2%
35	LIGHT MANUFACTURERS	206,301	+ 0.3%	+ 1.6%
36	MEDIUM MANUFACTURERS	1,409,645	- 8.0%	- 7.1%
37	HEAVY MANUFACTURERS	703,008	- 4.6%	- 3.1%
38	MISCELLANEOUS OPERATIONS	1,103,910	+ 1.4%	+ 3.1%
	TOTAL	$ 14,376,980	+ 1.0%	+ 1.0%

OWNERS, LANDLORDS AND TENANTS LIABILITY INSURANCE

CLASS GROUP	DESCRIPTION	LATEST YEAR MONO/MULTI ALCCL	INDICATED LOSS COST LEVEL CHANGE BEFORE CAPPING	LOSS COST LEVEL CHANGE AFTER CAPPING
01	FOOD AND BEVERAGE (RETAIL)	$ 1,443,601	+ 5.0%	+ 4.7%
02	RESTAURANTS	2,866,133	+ 4.4%	+ 4.3%
03	STORES	1,149,069	+ 5.1%	+ 4.8%
04	VENDING AND RENTAL	167,907	+ 2.8%	+ 2.8%
05	FOOD AND BEVERAGE DISTRIBUTORS	225,904	+ 3.9%	+ 4.0%
06	NON-(FOOD AND BEVERAGE) DISTRIB.	519,563	+ 0.1%	- 0.1%
07	CLUBS, AMUSEMENTS AND SPORTS	888,074	+ 12.2%	+ 11.7%
08	HEALTH CARE FACILITIES	197,514	- 0.8%	- 1.1%
09	HOTELS AND MOTELS	1,422,666	+ 1.3%	+ 1.5%
10	SCHOOLS AND CHURCHES	1,549,064	+ 4.2%	+ 4.3%
11	APARTMENTS	1,291,761	+ 7.8%	+ 8.6%
12	BUILDINGS AND OFFICES	5,678,818	+ 0.4%	+ 0.6%
13	MISCELLANEOUS PREMISES	569,972	+ 4.5%	+ 4.5%
16	GOVERNMENTAL SUBDIVISIONS	191,632	+ 0.5%	- 0.4%
	TOTAL	$ 18,161,678	+ 3.4%	+ 3.4%

TENNESSEE

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

CLASS GROUP	DESCRIPTION	LATEST YEAR MULTISTATE MONO/MULTI ALCCL AT MULTISTATE LEVEL	INDICATED MULTISTATE LOSS COST LEVEL CHANGE	LATEST YEAR STATEWIDE MONO/MULTI ALCCL AT CURRENT LEVEL	INDICATED STATEWIDE LOSS COST LEVEL CHANGE	SELECTED STATEWIDE LOSS COST LEVEL CHANGE
03	MANUFACTURERS, DEALERS OR DISTRIBUTORS-FOOD OR DRUG	$ 46,246,181	- 10.7%	$ 817,604	- 8.4%	- 8.4%
04	DEALERS OR DISTRIBUTORS-NOT FOOD OR DRUG	45,592,501	- 5.3%	825,535	- 5.6%	- 5.6%
05	MANUFACTURERS-NOT FOOD OR DRUG-LOW	5,691,642	- 5.9%	118,574	- 14.5%	- 14.5%
06	MANUFACTURERS-NOT FOOD OR DRUG-MEDIUM	40,472,764	- 8.2%	1,020,258	- 6.9%	- 6.9%
07	MANUFACTURERS-NOT FOOD OR DRUG-HIGH	10,893,110	- 8.4%	354,074	- 8.0%	- 8.0%
	PRODUCTS SUBTOTAL	$ 148,896,198	- 8.0%	$ 3,136,045	- 7.4%	- 7.4%
01	RETAIL STORES-FOOD OR DRUG			$ 308,408	- 20.5%	- 20.0%
02	RETAIL STORES-NOT FOOD OR DRUG			355,718	- 15.6%	- 15.0%
11	COMPLETED OPERATIONS-LOW			333,188	- 11.9%	- 11.6%
12	COMPLETED OPERATIONS-MEDIUM			5,206,347	- 12.9%	- 13.0%
13	COMPLETED OPERATIONS-HIGH			574,128	- 21.0%	- 20.7%
	LOCAL PRODUCTS/COMPLETED OPERATIONS SUBTOTAL			$ 6,777,789	- 14.0%	- 14.0%
	TOTAL			$ 9,913,834	- 11.9%	- 11.9%

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.

$$\text{CBLC} = \frac{\sum_{class} \text{LCCL}}{\sum_{class} (\text{Exposure}) \, X \, (\text{Differen tial})}$$

- 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.

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

- 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 +26% and a lower cap of -20% relative to current loss costs;

- OL&T classes reflect an upper cap of +28% and a lower cap of -20% relative to current loss costs;

- Products classes reflect an upper cap of +25% and a lower cap of -28% relative to current multistate loss costs;

- Local Products/Completed Operations classes reflect an upper cap of +25% and a lower cap of -34% relative to current loss costs.

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

M&C: 0.993   OL&T: 1.000   LP/CO: 1.002

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

```
STATE: 41 - TENNESSEE
SUBLINE: PREM/OPS
                                    LOSS COST % CHANGE BY CLASS


            PROPOSED  PRESENT    %                 PROPOSED  PRESENT    %                 PROPOSED  PRESENT    %
CLASS TERR  OCCURR    OCCURR    CHG   CLASS TERR    OCCURR    OCCURR    CHG   CLASS TERR    OCCURR    OCCURR    CHG
-----------------------------------------------------------------------------------------------------------------------
10010 501    .074      .072     2.8   10060 505      .216      .208     3.8   10101 504      .260      .250     4.0
10010 503    .116      .116     0.0   10065 501      .168      .155     8.4   10101 505      .290      .280     3.6
10010 504    .081      .082    -1.2   10065 503      .245      .233     5.2   10105 501     1.640     1.510     8.6
10010 505    .123      .124    -0.8   10065 504      .290      .280     3.6   10105 503     2.390     2.280     4.8
10015 501   4.480     3.860    16.1   10065 505      .320      .310     3.2   10105 504     2.840     2.760     2.9

10015 503   4.410     3.930    12.2   10066 501      .171      .158     8.2   10105 505     3.170     3.050     3.9
10015 504   4.340     3.940    10.2   10066 503      .250      .238     5.0   10107 501     2.750     2.610     5.4
10015 505   4.750     4.270    11.2   10066 504      .300      .290     3.4   10107 503     3.180     2.980     6.7
10026 501    .410      .380     7.9   10066 505      .330      .320     3.1   10107 504     2.910     2.730     6.6
10026 503    .600      .570     5.3   10070 501      .042      .041     2.4   10107 505     2.260     2.080     8.7

10026 504    .710      .690     2.9   10070 503      .066      .067    -1.5   10110 501    15.200    13.100    16.0
10026 505    .790      .760     3.9   10070 504      .047      .047     0.0   10110 503    15.000    13.400    11.9
10036 501    .580      .550     5.5   10070 505      .070      .071    -1.4   10110 504    14.800    13.400    10.4
10036 503    .670      .630     6.3   10071 501      .201      .185     8.6   10110 505    16.200    14.500    11.7
10036 504    .610      .570     7.0   10071 503      .290      .280     3.6   10111 501      .093      .090     3.3

10036 505    .470      .440     6.8   10071 504      .350      .340     2.9   10111 503      .145      .146    -0.7
10040 501    .056      .055     1.8   10071 505      .390      .370     5.4   10111 504      .102      .103    -1.0
10040 503    .088      .089    -1.1   10072 501     4.090     4.030     1.5   10111 505      .154      .155    -0.6
10040 504    .062      .062     0.0   10072 503     4.390     4.280     2.6   10113 501      .227      .210     8.1
10040 505    .094      .094     0.0   10072 504     3.010     2.940     2.4   10113 503      .330      .320     3.1

10042 501    .234      .216     8.3   10072 505     4.630     4.460     3.8   10113 504      .390      .380     2.6
10042 503    .340      .320     6.3   10073 501      .900      .850     5.9   10113 505      .440      .420     4.8
10042 504    .400      .390     2.6   10073 503     1.040      .980     6.1   10115 501      .450      .420     7.1
10042 505    .450      .430     4.7   10073 504      .950      .890     6.7   10115 503      .660      .630     4.8
10052 501   3.090     2.670    15.7   10073 505      .740      .680     8.8   10115 504      .780      .760     2.6

10052 503   3.050     2.720    12.1   10075 501     6.670     6.340     5.2   10115 505      .870      .840     3.6
10052 504   3.000     2.730     9.9   10075 503     7.710     7.240     6.5   10117 501     4.440     3.830    15.9
10052 505   3.290     2.950    11.5   10075 504     7.060     6.630     6.5   10117 503     4.380     3.910    12.0
10054 501   2.750     2.370    16.0   10075 505     5.480     5.060     8.3   10117 504     4.320     3.920    10.2
10054 503   2.710     2.410    12.4   10100 501      .920      .840     9.5   10117 505     4.720     4.240    11.3

10054 504   2.670     2.420    10.3   10100 503     1.080     1.030     4.9   10120 501     9.970     8.600    15.9
10054 505   2.910     2.620    11.1   10100 504      .690      .670     3.0   10120 503     9.820     8.760    12.1
10060 501    .112      .103     8.7   10100 505     1.000      .950     5.3   10120 504     9.680     8.780    10.3
10060 503    .163      .155     5.2   10101 501      .151      .140     7.9   10120 505    10.600     9.520    11.3
10060 504    .194      .188     3.2   10101 503      .221      .210     5.2   10130 501     2.230     2.060     8.3
```

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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	3.260	3.100	5.2	10160	501	1.400	1.300	7.7	10315	505	.460	.450	2.2
10130	504	3.870	3.760	2.9	10160	503	2.050	1.950	5.1	10331	501	6.070	5.230	16.1
10130	505	4.320	4.150	4.1	10160	504	2.430	2.360	3.0	10331	503	5.980	5.330	12.2
10132	501	1.930	1.780	8.4	10160	505	2.710	2.610	3.8	10331	504	5.890	5.350	10.1
10132	503	2.810	2.670	5.2	10204	501	.142	.131	8.4	10331	505	6.440	5.790	11.2
10132	504	3.330	3.240	2.8	10204	503	.207	.196	5.6	10332	501	10.500	9.030	16.3
10132	505	3.720	3.580	3.9	10204	504	.245	.238	2.9	10332	503	10.300	9.200	12.0
10133	501	3.920	3.710	5.7	10204	505	.270	.260	3.8	10332	504	10.200	9.220	10.6
10133	503	4.380	4.270	2.6	10205	501	.158	.146	8.2	10332	505	11.100	9.990	11.1
10133	504	3.800	3.750	1.3	10205	503	.231	.219	5.5	10352	501	.530	.490	8.2
10133	505	3.040	2.980	2.0	10205	504	.270	.270	0.0	10352	503	.630	.600	5.0
10140	501	.024	.022	9.1	10205	505	.310	.290	6.9	10352	504	.400	.390	2.6
10140	503	.030	.029	3.4	10220	501	2.980	2.750	8.4	10352	505	.580	.560	3.6
10140	504	.033	.033	0.0	10220	503	4.340	4.130	5.1	10367	501	3.610	3.560	1.4
10140	505	.031	.030	3.3	10220	504	5.150	5.010	2.8	10367	503	3.880	3.780	2.6
10141	501	.048	.045	6.7	10220	505	5.750	5.530	4.0	10367	504	2.660	2.600	2.3
10141	503	.060	.058	3.4	10255	501	.214	.203	5.4	10367	505	4.090	3.940	3.8
10141	504	.067	.065	3.1	10255	503	.247	.232	6.5	10368	501	5.280	5.200	1.5
10141	505	.062	.059	5.1	10255	504	.226	.213	6.1	10368	503	5.670	5.530	2.5
10145	501	.233	.214	8.9	10255	505	.176	.162	8.6	10368	504	3.880	3.800	2.1
10145	503	.290	.280	3.6	10256	501	.780	.740	5.4	10368	505	5.970	5.760	3.6
10145	504	.320	.310	3.2	10256	503	.910	.850	7.1	10378	501	6.140	5.300	15.8
10145	505	.300	.290	3.4	10256	504	.830	.780	6.4	10378	503	6.050	5.400	12.0
10146	501	.410	.380	7.9	10256	505	.640	.590	8.5	10378	504	5.960	5.410	10.2
10146	503	.480	.460	4.3	10257	501	.148	.140	5.7	10378	505	6.520	5.870	11.1
10146	504	.310	.300	3.3	10257	503	.171	.160	6.9	10379	501	2.850	2.460	15.9
10146	505	.440	.430	2.3	10257	504	.156	.147	6.1	10379	503	2.810	2.510	12.0
10150	501	.310	.290	6.9	10257	505	.121	.112	8.0	10379	504	2.770	2.510	10.4
10150	503	.460	.430	7.0	10309	501	.102	.094	8.5	10379	505	3.030	2.720	11.4
10150	504	.540	.530	1.9	10309	503	.149	.142	4.9	10380	501	4.870	4.200	16.0
10150	505	.600	.580	3.4	10309	504	.177	.172	2.9	10380	503	4.800	4.280	12.1
10151	501	7.870	7.270	8.3	10309	505	.197	.190	3.7	10380	504	4.730	4.290	10.3
10151	503	11.500	10.900	5.5	10315	501	.240	.222	8.1	10380	505	5.170	4.650	11.2
10151	504	13.600	13.300	2.3	10315	503	.350	.330	6.1	10381	501	4.220	3.640	15.9
10151	505	15.200	14.600	4.1	10315	504	.420	.400	5.0	10381	503	4.150	3.710	11.9

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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
10381	504	4.090	3.720	9.9	11155	503	.197	.187	5.3	11208	501	1.350	1.330	1.5
10381	505	4.480	4.030	11.2	11155	504	.234	.227	3.1	11208	503	1.450	1.410	2.8
11007	501	1.540	1.510	2.0	11155	505	.260	.250	4.0	11208	504	.990	.970	2.1
11007	503	1.650	1.610	2.5	11167	501	.940	.890	5.6	11208	505	1.530	1.470	4.1
11007	504	1.130	1.100	2.7	11167	503	1.050	1.020	2.9	11209	501	6.340	6.250	1.4
11007	505	1.740	1.670	4.2	11167	504	.910	.900	1.1	11209	503	6.820	6.640	2.7
11020	501	.191	.176	8.5	11167	505	.730	.720	1.4	11209	504	4.660	4.560	2.2
11020	503	.280	.270	3.7	11168	501	4.870	4.610	5.6	11209	505	7.180	6.910	3.9
11020	504	.330	.320	3.1	11168	503	5.450	5.300	2.8	11210	501	2.700	2.660	1.5
11020	505	.370	.350	5.7	11168	504	4.720	4.670	1.1	11210	503	2.900	2.830	2.5
11039	501	.780	.740	5.4	11168	505	3.780	3.710	1.9	11210	504	1.990	1.940	2.6
11039	503	.900	.850	5.9	11201	501	13.400	13.200	1.5	11210	505	3.060	2.940	4.1
11039	504	.830	.780	6.4	11201	503	14.500	14.100	2.8	11211	501	14.000	13.800	1.4
11039	505	.640	.590	8.5	11201	504	9.890	9.670	2.3	11211	503	15.100	14.700	2.7
11052	501	4.080	3.860	5.7	11201	505	15.200	14.700	3.4	11211	504	10.300	10.100	2.0
11052	503	4.560	4.440	2.7	11202	501	3.970	3.920	1.3	11211	505	15.900	15.300	3.9
11052	504	3.950	3.910	1.0	11202	503	4.270	4.160	2.6	11212	501	2.120	2.090	1.4
11052	505	3.160	3.100	1.9	11202	504	2.920	2.860	2.1	11212	503	2.280	2.220	2.7
11126	501	.039	.036	8.3	11202	505	4.500	4.330	3.9	11212	504	1.560	1.530	2.0
11126	503	.058	.055	5.5	11203	501	.550	.540	1.9	11212	505	2.400	2.310	3.9
11126	504	.068	.066	3.0	11203	503	.860	.860	0.0	11213	501	1.730	1.710	1.2
11126	505	.076	.073	4.1	11203	504	.600	.610	-1.6	11213	503	1.860	1.810	2.8
11127	501	.236	.230	2.6	11203	505	.910	.920	-1.1	11213	504	1.270	1.250	1.6
11127	503	.370	.370	0.0	11204	501	.197	.182	8.2	11213	505	1.960	1.890	3.7
11127	504	.260	.260	0.0	11204	503	.290	.270	7.4	11214	501	4.260	4.200	1.4
11127	505	.390	.390	0.0	11204	504	.340	.330	3.0	11214	503	4.580	4.470	2.5
11128	501	.320	.310	3.2	11204	505	.380	.370	2.7	11214	504	3.140	3.070	2.3
11128	503	.500	.500	0.0	11206	501	.620	.610	1.6	11214	505	4.830	4.650	3.9
11128	504	.350	.350	0.0	11206	503	.670	.650	3.1	11222	501	.072	.071	1.4
11128	505	.530	.530	0.0	11206	504	.460	.450	2.2	11222	503	.077	.075	2.7
11138	501	1.520	1.310	16.0	11206	505	.710	.680	4.4	11222	504	.053	.052	1.9
11138	503	1.490	1.330	12.0	11207	501	7.880	7.760	1.5	11222	505	.081	.078	3.8
11138	504	1.470	1.340	9.7	11207	503	8.470	8.250	2.7	11234	501	.178	.164	8.5
11138	505	1.610	1.450	11.0	11207	504	5.790	5.660	2.3	11234	503	.260	.247	5.3
11155	501	.135	.125	8.0	11207	505	8.910	8.590	3.7	11234	504	.310	.300	3.3

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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	.340	.330	3.0	12361	504	.072	.071	1.4	12510	503	.780	.740	5.4
11248	501	.041	.039	5.1	12361	505	.067	.064	4.7	12510	504	.720	.670	7.5
11248	503	.047	.044	6.8	12362	501	.047	.045	4.4	12510	505	.560	.510	9.8
11248	504	.043	.040	7.5	12362	503	.073	.073	0.0	12583	501	.300	.290	3.4
11248	505	.033	.031	6.5	12362	504	.051	.052	-1.9	12583	503	.350	.330	6.1
11258	501	1.100	1.020	7.8	12362	505	.077	.078	-1.3	12583	504	.320	.300	6.7
11258	503	1.300	1.240	4.8	12373	501	.018	.017	5.9	12583	505	.248	.229	8.3
11258	504	.830	.800	3.7	12373	503	.028	.028	0.0	12651	501	.880	.840	4.8
11258	505	1.200	1.150	4.3	12373	504	.019	.020	-5.0	12651	503	1.020	.950	7.4
11259	501	1.180	1.090	8.3	12373	505	.029	.030	-3.3	12651	504	.930	.870	6.9
11259	503	1.400	1.330	5.3	12374	501	.390	.360	8.3	12651	505	.720	.670	7.5
11259	504	.890	.860	3.5	12374	503	.570	.540	5.6	12683	501	.400	.380	5.3
11259	505	1.290	1.230	4.9	12374	504	.670	.650	3.1	12683	503	.470	.440	6.8
11273	501	8.810	8.140	8.2	12374	505	.750	.720	4.2	12683	504	.430	.400	7.5
11273	503	12.900	12.200	5.7	12375	501	.191	.176	8.5	12683	505	.330	.310	6.5
11273	504	15.300	14.800	3.4	12375	503	.280	.270	3.7	12707	501	.310	.300	3.3
11273	505	17.000	16.400	3.7	12375	504	.330	.320	3.1	12707	503	.480	.480	0.0
11274	501	8.460	7.810	8.3	12375	505	.370	.350	5.7	12707	504	.340	.340	0.0
11274	503	12.300	11.700	5.1	12391	501	.035	.034	2.9	12707	505	.510	.510	0.0
11274	504	14.600	14.200	2.8	12391	503	.055	.055	0.0	12797	501	.064	.063	1.6
11274	505	16.300	15.700	3.8	12391	504	.038	.039	-2.6	12797	503	.101	.101	0.0
11288	501	1.350	1.250	8.0	12391	505	.058	.058	0.0	12797	504	.071	.071	0.0
11288	503	1.600	1.520	5.3	12393	501	.250	.234	6.8	12797	505	.107	.107	0.0
11288	504	1.020	.990	3.0	12393	503	.370	.350	5.7	12805	501	.204	.188	8.5
11288	505	1.470	1.410	4.3	12393	504	.440	.430	2.3	12805	503	.300	.280	7.1
12014	501	.088	.083	6.0	12393	505	.490	.470	4.3	12805	504	.350	.340	2.9
12014	503	.101	.095	6.3	12467	501	.105	.097	8.2	12805	505	.390	.380	2.6
12014	504	.093	.087	6.9	12467	503	.154	.146	5.5	12841	501	.340	.310	9.7
12014	505	.072	.067	7.5	12467	504	.182	.177	2.8	12841	503	.500	.470	6.4
12356	501	.750	.690	8.7	12467	505	.203	.196	3.6	12841	504	.590	.570	3.5
12356	503	1.090	1.040	4.8	12509	501	.054	.051	5.9	12841	505	.650	.630	3.2
12356	504	1.290	1.260	2.4	12509	503	.062	.058	6.9	12927	501	.059	.055	7.3
12356	505	1.440	1.390	3.6	12509	504	.057	.053	7.5	12927	503	.087	.082	6.1
12361	501	.053	.048	10.4	12509	505	.044	.041	7.3	12927	504	.103	.100	3.0
12361	503	.065	.063	3.2	12510	501	.680	.640	6.2	12927	505	.114	.110	3.6

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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
13049	501	.027	.025	8.0	13352	505	.360	.350	2.9	13621	504	.113	.106	6.6
13049	503	.034	.033	3.0	13410	501	1.230	1.170	5.1	13621	505	.088	.081	8.6
13049	504	.038	.037	2.7	13410	503	1.420	1.340	6.0	13670	501	.029	.027	7.4
13049	505	.035	.033	6.1	13410	504	1.300	1.220	6.6	13670	503	.037	.035	5.7
13111	501	1.020	.940	8.5	13410	505	1.010	.930	8.6	13670	504	.041	.040	2.5
13111	503	1.210	1.150	5.2	13412	501	.420	.390	7.7	13670	505	.037	.036	2.8
13111	504	.770	.750	2.7	13412	503	.480	.450	6.7	13673	501	.840	.770	9.1
13111	505	1.110	1.070	3.7	13412	504	.440	.410	7.3	13673	503	.990	.940	5.3
13112	501	.045	.041	9.8	13412	505	.340	.310	9.7	13673	504	.630	.610	3.3
13112	503	.056	.054	3.7	13453	501	.480	.460	4.3	13673	505	.910	.870	4.6
13112	504	.062	.060	3.3	13453	503	.550	.520	5.8	13715	501	.047	.045	4.4
13112	505	.057	.055	3.6	13453	504	.510	.480	6.2	13715	503	.073	.073	0.0
13201	501	.780	.740	5.4	13453	505	.390	.360	8.3	13715	504	.051	.052	-1.9
13201	503	.900	.840	7.1	13454	501	.560	.530	5.7	13715	505	.077	.078	-1.3
13201	504	.820	.770	6.5	13454	503	.650	.610	6.6	13716	501	.290	.260	11.5
13201	505	.640	.590	8.5	13454	504	.590	.560	5.4	13716	503	.420	.400	5.0
13204	501	.880	.840	4.8	13454	505	.460	.430	7.0	13716	504	.500	.480	4.2
13204	503	1.020	.950	7.4	13455	501	.570	.540	5.6	13716	505	.550	.530	3.8
13204	504	.930	.870	6.9	13455	503	.660	.620	6.5	13720	501	.470	.430	9.3
13204	505	.720	.670	7.5	13455	504	.600	.570	5.3	13720	503	.560	.530	5.7
13205	501	.340	.320	6.3	13455	505	.470	.430	9.3	13720	504	.360	.340	5.9
13205	503	.390	.370	5.4	13506	501	.580	.540	7.4	13720	505	.510	.490	4.1
13205	504	.360	.340	5.9	13506	503	.850	.800	6.3	13759	501	.112	.103	8.7
13205	505	.280	.260	7.7	13506	504	1.000	.980	2.0	13759	503	.163	.155	5.2
13314	501	.076	.070	8.6	13506	505	1.120	1.080	3.7	13759	504	.194	.188	3.2
13314	503	.111	.105	5.7	13507	501	.700	.640	9.4	13759	505	.216	.208	3.8
13314	504	.131	.127	3.1	13507	503	1.020	.970	5.2	13930	501	.099	.097	2.1
13314	505	.146	.141	3.5	13507	504	1.210	1.170	3.4	13930	503	.156	.156	0.0
13351	501	.184	.170	8.2	13507	505	1.350	1.300	3.8	13930	504	.109	.110	-0.9
13351	503	.270	.260	3.8	13590	501	.420	.400	5.0	13930	505	.165	.166	-0.6
13351	504	.320	.310	3.2	13590	503	.490	.460	6.5	14068	501	.025	.023	8.7
13351	505	.360	.340	5.9	13590	504	.450	.420	7.1	14068	503	.036	.034	5.9
13352	501	.188	.173	8.7	13590	505	.350	.320	9.4	14068	504	.043	.042	2.4
13352	503	.270	.260	3.8	13621	501	.107	.102	4.9	14068	505	.048	.046	4.3
13352	504	.320	.320	0.0	13621	503	.124	.116	6.9	14101	501	.290	.270	7.4

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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
14101	503	.420	.400	5.0	14734	501	.168	.155	8.4	15188	505	.244	.226	8.0
14101	504	.500	.490	2.0	14734	503	.245	.233	5.2	15223	501	.035	.032	9.4
14101	505	.560	.540	3.7	14734	504	.290	.280	3.6	15223	503	.043	.042	2.4
14279	501	.410	.390	5.1	14734	505	.320	.310	3.2	15223	504	.048	.047	2.1
14279	503	.470	.440	6.8	14855	501	.188	.179	5.0	15223	505	.044	.042	4.8
14279	504	.430	.410	4.9	14855	503	.218	.204	6.9	15224	501	.500	.460	8.7
14279	505	.340	.310	9.7	14855	504	.199	.187	6.4	15224	503	.590	.560	5.4
14401	501	1.110	1.020	8.8	14855	505	.155	.143	8.4	15224	504	.380	.360	5.6
14401	503	1.310	1.250	4.8	14913	501	.211	.195	8.2	15224	505	.540	.520	3.8
14401	504	.840	.810	3.7	14913	503	.310	.290	6.9	15314	501	.135	.125	8.0
14401	505	1.210	1.160	4.3	14913	504	.360	.350	2.9	15314	503	.197	.187	5.3
14405	501	.900	.890	1.1	14913	505	.410	.390	5.1	15314	504	.234	.227	3.1
14405	503	.970	.950	2.1	15062	501	.169	.161	5.0	15314	505	.260	.250	4.0
14405	504	.660	.650	1.5	15062	503	.195	.184	6.0	15404	501	.077	.073	5.5
14405	505	1.020	.980	4.1	15062	504	.179	.168	6.5	15404	503	.089	.084	6.0
14527	501	.189	.185	2.2	15062	505	.139	.128	8.6	15404	504	.082	.077	6.5
14527	503	.300	.300	0.0	15063	501	.197	.187	5.3	15404	505	.063	.058	8.6
14527	504	.208	.210	-1.0	15063	503	.228	.214	6.5	15405	501	.113	.108	4.6
14527	505	.310	.320	-3.1	15063	504	.208	.196	6.1	15405	503	.131	.123	6.5
14655	501	.056	.052	7.7	15063	505	.162	.149	8.7	15405	504	.120	.113	6.2
14655	503	.082	.078	5.1	15070	501	.121	.119	1.7	15405	505	.093	.086	8.1
14655	504	.097	.094	3.2	15070	503	.130	.127	2.4	15406	501	.290	.270	7.4
14655	505	.108	.104	3.8	15070	504	.089	.087	2.3	15406	503	.330	.310	6.5
14731	501	4.040	3.820	5.8	15070	505	.137	.132	3.8	15406	504	.310	.290	6.9
14731	503	4.520	4.400	2.7	15123	501	3.910	3.700	5.7	15406	505	.237	.219	8.2
14731	504	3.920	3.880	1.0	15123	503	4.370	4.260	2.6	15488	501	.720	.690	4.3
14731	505	3.140	3.080	1.9	15123	504	3.790	3.750	1.1	15488	503	.830	.780	6.4
14732	501	.300	.280	7.1	15123	505	3.030	2.980	1.7	15488	504	.760	.720	5.6
14732	503	.330	.330	0.0	15124	501	1.370	1.290	6.2	15488	505	.590	.550	7.3
14732	504	.290	.290	0.0	15124	503	1.530	1.490	2.7	15538	501	.240	.222	8.1
14732	505	.232	.228	1.8	15124	504	1.330	1.310	1.5	15538	503	.350	.330	6.1
14733	501	.390	.360	8.3	15124	505	1.060	1.040	1.9	15538	504	.420	.400	5.0
14733	503	.570	.540	5.6	15188	501	.300	.280	7.1	15538	505	.460	.450	2.2
14733	504	.680	.660	3.0	15188	503	.340	.320	6.3	15600	501	.610	.560	8.9
14733	505	.760	.730	4.1	15188	504	.310	.300	3.3	15600	503	.880	.840	4.8

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

```
STATE: 41 - TENNESSEE
SUBLINE: PREM/OPS
                                            LOSS COST % CHANGE BY CLASS


            PROPOSED  PRESENT    %                   PROPOSED  PRESENT    %                   PROPOSED  PRESENT    %
CLASS TERR  OCCURR    OCCURR    CHG    CLASS TERR     OCCURR    OCCURR    CHG    CLASS TERR    OCCURR    OCCURR    CHG
-------------------------------------------------------------------------------------------------------------------------
15600 504    1.050     1.020    2.9   16005 503        .039      .039    0.0    16604 501       .180      .171    5.3
15600 505    1.170     1.130    3.5   16005 504        .027      .027    0.0    16604 503       .208      .195    6.7
15607 501     .158      .156    1.3   16005 505        .041      .041    0.0    16604 504       .190      .179    6.1
15607 503     .170      .166    2.4   16009 501        .231      .220    5.0    16604 505       .148      .136    8.8
15607 504     .116      .114    1.8   16009 503        .270      .250    8.0    16670 501      2.520     2.170   16.1

15607 505     .179      .173    3.5   16009 504        .245      .230    6.5    16670 503      2.480     2.210   12.2
15608 501     .135      .125    8.0   16009 505        .190      .175    8.6    16670 504      2.440     2.220    9.9
15608 503     .197      .187    5.3   16402 501        .900      .830    8.4    16670 505      2.670     2.400   11.2
15608 504     .234      .227    3.1   16402 503       1.310     1.240    5.6    16676 501       .188      .173    8.7
15608 505     .260      .250    4.0   16402 504       1.550     1.510    2.6    16676 503       .270      .260    3.8

15656 501    3.990     3.680    8.4   16402 505       1.730     1.660    4.2    16676 504       .320      .320    0.0
15656 503    5.820     5.530    5.2   16403 501        .570      .520    9.6    16676 505       .360      .350    2.9
15656 504    6.900     6.710    2.8   16403 503        .830      .790    5.1    16694 501       .360      .340    5.9
15656 505    7.700     7.410    3.9   16403 504        .980      .950    3.2    16694 503       .410      .390    5.1
15699 501     .390      .390    0.0   16403 505       1.090     1.050    3.8    16694 504       .380      .350    8.6

15699 503     .420      .410    2.4   16404 501        .710      .660    7.6    16694 505       .290      .270    7.4
15699 504     .290      .280    3.6   16404 503       1.040      .990    5.1    16705 501       .148      .145    2.1
15699 505     .440      .430    2.3   16404 504       1.240     1.200    3.3    16705 503       .233      .234   -0.4
15733 501     .188      .179    5.0   16404 505       1.380     1.330    3.8    16705 504       .163      .165   -1.2
15733 503     .218      .204    6.9   16471 501        .223      .220    1.4    16705 505       .247      .248   -0.4

15733 504     .199      .187    6.4   16471 503        .240      .234    2.6    16750 501       .066      .061    8.2
15733 505     .155      .143    8.4   16471 504        .164      .161    1.9    16750 503       .096      .091    5.5
15839 501     .181      .167    8.4   16471 505        .250      .244    2.5    16750 504       .114      .111    2.7
15839 503     .260      .250    4.0   16501 501        .052      .051    2.0    16750 505       .127      .122    4.1
15839 504     .310      .300    3.3   16501 503        .082      .082    0.0    16751 501       .066      .061    8.2

15839 505     .350      .340    2.9   16501 504        .057      .058   -1.7    16751 503       .096      .091    5.5
15991 501     .148      .137    8.0   16501 505        .087      .087    0.0    16751 504       .114      .111    2.7
15991 503     .216      .206    4.9   16527 501        .080      .078    2.6    16751 505       .127      .122    4.1
15991 504     .260      .249    4.4   16527 503        .126      .126    0.0    16819 501      1.020      .970    5.2
15991 505     .290      .280    3.6   16527 504        .088      .089   -1.1    16819 503      1.180     1.110    6.3

15993 501     .125      .116    7.8   16527 505        .133      .134   -0.7    16819 504      1.080     1.020    5.9
15993 503     .183      .174    5.2   16588 501        .107      .102    4.9    16819 505       .840      .780    7.7
15993 504     .217      .211    2.8   16588 503        .124      .116    6.9    16820 501       .790      .750    5.3
15993 505     .242      .232    4.3   16588 504        .113      .106    6.6    16820 503       .920      .860    7.0
16005 501     .025      .024    4.2   16588 505        .088      .081    8.6    16820 504       .840      .790    6.3




L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION
```

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
16820	505	.650	.600	8.3	16906	504	1.570	1.530	2.6	16940	503	4.040	3.860	4.7
16881	501	1.030	.950	8.4	16906	505	1.690	1.630	3.7	16940	504	3.970	3.870	2.6
16881	503	1.500	1.430	4.9	16910	501	1.240	1.150	7.8	16940	505	4.290	4.130	3.9
16881	504	1.780	1.730	2.9	16910	503	1.420	1.360	4.4	16941	501	1.410	1.310	7.6
16881	505	1.990	1.910	4.2	16910	504	1.400	1.360	2.9	16941	503	1.620	1.550	4.5
16890	501	.120	.114	5.3	16910	505	1.510	1.460	3.4	16941	504	1.590	1.550	2.6
16890	503	.139	.130	6.9	16911	501	1.130	1.050	7.6	16941	505	1.720	1.660	3.6
16890	504	.127	.119	6.7	16911	503	1.290	1.230	4.9	18078	501	.084	.082	2.4
16890	505	.098	.091	7.7	16911	504	1.270	1.240	2.4	18078	503	.132	.133	-0.8
16891	501	.131	.124	5.6	16911	505	1.370	1.320	3.8	18078	504	.092	.093	-1.1
16891	503	.151	.142	6.3	16915	501	1.270	1.180	7.6	18078	505	.140	.141	-0.7
16891	504	.138	.130	6.2	16915	503	1.460	1.400	4.3	18109	501	.247	.228	8.3
16891	505	.107	.099	8.1	16915	504	1.430	1.400	2.1	18109	503	.360	.340	5.9
16892	501	.238	.226	5.3	16915	505	1.550	1.490	4.0	18109	504	.430	.420	2.4
16892	503	.270	.260	3.8	16916	501	1.060	.990	7.1	18109	505	.480	.460	4.3
16892	504	.250	.236	5.9	16916	503	1.220	1.160	5.2	18110	501	.197	.182	8.2
16892	505	.195	.180	8.3	16916	504	1.200	1.170	2.6	18110	503	.290	.270	7.4
16900	501	2.070	1.920	7.8	16916	505	1.290	1.250	3.2	18110	504	.340	.330	3.0
16900	503	2.370	2.270	4.4	16920	501	2.820	2.620	7.6	18110	505	.380	.370	2.7
16900	504	2.330	2.270	2.6	16920	503	3.230	3.100	4.2	18205	501	.130	.127	2.4
16900	505	2.520	2.430	3.7	16920	504	3.180	3.100	2.6	18205	503	.204	.204	0.0
16901	501	1.330	1.230	8.1	16920	505	3.430	3.310	3.6	18205	504	.143	.144	-0.7
16901	503	1.520	1.460	4.1	16921	501	2.580	2.400	7.5	18205	505	.216	.217	-0.5
16901	504	1.490	1.460	2.1	16921	503	2.950	2.830	4.2	18206	501	.320	.290	10.3
16901	505	1.610	1.560	3.2	16921	504	2.910	2.830	2.8	18206	503	.470	.440	6.8
16902	501	1.130	1.050	7.6	16921	505	3.140	3.030	3.6	18206	504	.550	.540	1.9
16902	503	1.290	1.230	4.9	16930	501	1.620	1.510	7.3	18206	505	.620	.590	5.1
16902	504	1.270	1.240	2.4	16930	503	1.860	1.780	4.5	18335	501	.230	.213	8.0
16902	505	1.370	1.320	3.8	16930	504	1.830	1.780	2.8	18335	503	.340	.320	6.3
16905	501	2.180	2.020	7.9	16930	505	1.980	1.910	3.7	18335	504	.400	.390	2.6
16905	503	2.490	2.390	4.2	16931	501	1.750	1.630	7.4	18335	505	.450	.430	4.7
16905	504	2.450	2.390	2.5	16931	503	2.010	1.920	4.7	18435	501	.970	.890	9.0
16905	505	2.650	2.550	3.9	16931	504	1.970	1.920	2.6	18435	503	1.150	1.090	5.5
16906	501	1.390	1.290	7.8	16931	505	2.130	2.060	3.4	18435	504	.730	.710	2.8
16906	503	1.590	1.520	4.6	16940	501	3.520	3.270	7.6	18435	505	1.050	1.010	4.0

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

```
STATE: 41 - TENNESSEE
SUBLINE: PREM/OPS
                                         LOSS COST % CHANGE BY CLASS


            PROPOSED  PRESENT    %                  PROPOSED  PRESENT    %                  PROPOSED  PRESENT    %
CLASS TERR  OCCURR    OCCURR    CHG    CLASS TERR   OCCURR    OCCURR    CHG    CLASS TERR   OCCURR    OCCURR    CHG
-----------------------------------------------------------------------------------------------------------------------
18436 501     .780      .720    8.3    18707 505      .012      .012    0.0    19795 504      .340      .330     3.0
18436 503     .920      .880    4.5    18708 501      .072      .067    7.5    19795 505      .380      .360     5.6
18436 504     .590      .570    3.5    18708 503      .106      .101    5.0    19796 501      .227      .210     8.1
18436 505     .850      .820    3.7    18708 504      .125      .122    2.5    19796 503      .330      .320     3.1
18437 501     .330      .300   10.0    18708 505      .140      .135    3.7    19796 504      .390      .380     2.6

18437 503     .480      .460    4.3    18833 501      .083      .081    2.5    19796 505      .440      .420     4.8
18437 504     .570      .550    3.6    18833 503      .131      .131    0.0    40045 501   139.000   120.000    15.8
18437 505     .640      .610    4.9    18833 504      .091      .092   -1.1    40045 503   137.000   123.000    11.4
18438 501     .630      .580    8.6    18833 505      .139      .139    0.0    40045 504   135.000   123.000     9.8
18438 503     .920      .880    4.5    18834 501      .188      .173    8.7    40045 505   148.000   133.000    11.3

18438 504    1.090     1.060    2.8    18834 503      .270      .260    3.8    40046 501    27.600    23.800    16.0
18438 505    1.220     1.170    4.3    18834 504      .320      .320    0.0    40046 503    27.200    24.200    12.4
18501 501     .890      .820    8.5    18834 505      .360      .350    2.9    40046 504    26.800    24.300    10.3
18501 503    1.050     1.000    5.0    18911 501      .590      .550    7.3    40046 505    29.300    26.300    11.4
18501 504     .670      .650    3.1    18911 503      .870      .820    6.1    40047 501     9.830     8.480    15.9

18501 505     .970      .930    4.3    18911 504     1.030     1.000    3.0    40047 503     9.680     8.640    12.0
18506 501     .380      .360    5.6    18911 505     1.140     1.100    3.6    40047 504     9.540     8.660    10.2
18506 503     .440      .410    7.3    18912 501     1.120     1.030    8.7    40047 505    10.400     9.390    10.8
18506 504     .400      .370    8.1    18912 503     1.630     1.550    5.2    40059 501     3.520     3.040    15.8
18506 505     .310      .290    6.9    18912 504     1.930     1.880    2.7    40059 503     3.470     3.090    12.3

18507 501     .118      .109    8.3    18912 505     2.160     2.070    4.3    40059 504     3.420     3.100    10.3
18507 503     .173      .164    5.5    18920 501      .290      .270    7.4    40059 505     3.740     3.360    11.3
18507 504     .205      .199    3.0    18920 503      .420      .400    5.0    40061 501     1.870     1.610    16.1
18507 505     .229      .220    4.1    18920 504      .500      .490    2.0    40061 503     1.840     1.640    12.2
18570 501    1.240     1.140    8.8    18920 505      .560      .540    3.7    40061 504     1.810     1.640    10.4

18570 503    1.810     1.720    5.2    19007 501     1.530     1.450    5.5    40061 505     1.980     1.780    11.2
18570 504    2.140     2.080    2.9    19007 503     1.710     1.660    3.0    40063 501    62.400    53.900    15.8
18570 505    2.390     2.300    3.9    19007 504     1.480     1.460    1.4    40063 503    61.500    54.900    12.0
18616 501     .290      .270    7.4    19007 505     1.190     1.160    2.6    40063 504    60.600    55.000    10.2
18616 503     .330      .310    6.5    19051 501     3.390     3.200    5.9    40063 505    66.300    59.600    11.2

18616 504     .300      .290    3.4    19051 503     3.790     3.690    2.7    40064 501    18.400    15.800    16.5
18616 505     .236      .218    8.3    19051 504     3.280     3.250    0.9    40064 503    18.100    16.100    12.4
18707 501     .007      .007    0.0    19051 505     2.630     2.580    1.9    40064 504    17.800    16.200     9.9
18707 503     .011      .011    0.0    19795 501      .194      .179    8.4    40064 505    19.500    17.500    11.4
18707 504     .008      .008    0.0    19795 503      .280      .270    3.7    40075 501    53.700    49.700     8.0
```

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

STATE: 41 - TENNESSEE
SUBLINE: PREM/OPS

                              LOSS COST % CHANGE BY CLASS

	PROPOSED	PRESENT	%		PROPOSED	PRESENT	%		PROPOSED	PRESENT	%
CLASS TERR	OCCURR	OCCURR	CHG	CLASS TERR	OCCURR	OCCURR	CHG	CLASS TERR	OCCURR	OCCURR	CHG
40075 503	31.800	30.400	4.6	41604 501	9.330	8.670	7.6	41670 505	.680	.610	11.5
40075 504	37.200	36.200	2.8	41604 503	12.100	11.600	4.3	41677 501	.233	.229	1.7
40075 505	26.700	25.800	3.5	41604 504	5.540	5.410	2.4	41677 503	.250	.244	2.5
40101 501	13.800	13.600	1.5	41604 505	4.880	4.720	3.4	41677 504	.171	.167	2.4
40101 503	13.900	14.000	-0.7	41620 501	1.130	1.110	1.8	41677 505	.260	.250	4.0
40101 504	9.660	9.900	-2.4	41620 503	1.210	1.180	2.5	41678 501	45.200	43.600	3.7
40101 505	15.800	16.000	-1.3	41620 504	.830	.810	2.5	41678 503	41.200	41.000	0.5
40102 501	12.200	12.000	1.7	41620 505	1.280	1.230	4.1	41678 504	26.600	27.000	-1.5
40102 503	12.300	12.400	-0.8	41650 501	23.900	22.200	7.7	41678 505	31.200	31.300	-0.3
40102 504	8.540	8.740	-2.3	41650 503	30.900	29.700	4.0	41680 501	12.400	11.600	6.9
40102 505	13.900	14.200	-2.1	41650 504	14.200	13.900	2.2	41680 503	16.100	15.400	4.5
40111 501	4.950	4.270	15.9	41650 505	12.500	12.100	3.3	41680 504	7.390	7.220	2.4
40111 503	4.870	4.350	12.0	41664 501	21.100	18.200	15.9	41680 505	6.500	6.290	3.3
40111 504	4.800	4.360	10.1	41664 503	20.800	18.600	11.8	41696 501	.740	.720	2.8
40111 505	5.250	4.720	11.2	41664 504	20.500	18.600	10.2	41696 503	.790	.770	2.6
41001 501	.167	.144	16.0	41664 505	22.400	20.200	10.9	41696 504	.540	.530	1.9
41001 503	.164	.147	11.6	41665 501	2.470	2.130	16.0	41696 505	.830	.800	3.7
41001 504	.162	.147	10.2	41665 503	2.440	2.170	12.4	41697 501	.510	.500	2.0
41001 505	.177	.159	11.3	41665 504	2.400	2.180	10.1	41697 503	.550	.540	1.9
41421 501	.360	.330	9.1	41665 505	2.620	2.360	11.0	41697 504	.380	.370	2.7
41421 503	.460	.440	4.5	41667 501	57.700	49.800	15.9	41697 505	.580	.560	3.6
41421 504	.213	.208	2.4	41667 503	56.900	50.700	12.2	41715 501	7.890	7.340	7.5
41421 505	.188	.182	3.3	41667 504	56.000	50.800	10.2	41715 503	10.200	9.790	4.2
41422 501	.191	.178	7.3	41667 505	61.300	55.100	11.3	41715 504	4.690	4.580	2.4
41422 503	.248	.237	4.6	41668 501	54.100	46.700	15.8	41715 505	4.130	3.990	3.5
41422 504	.114	.111	2.7	41668 503	53.300	47.600	12.0	41716 501	5.020	4.670	7.5
41422 505	.100	.097	3.1	41668 504	52.500	47.700	10.1	41716 503	6.500	6.230	4.3
41510 501	29.800	27.500	8.4	41668 505	57.400	51.700	11.0	41716 504	2.980	2.910	2.4
41510 503	43.500	41.400	5.1	41669 501	.380	.330	15.2	41716 505	2.630	2.540	3.5
41510 504	51.600	50.100	3.0	41669 503	.370	.330	12.1	43151 501	26.700	24.700	8.1
41510 505	57.500	55.300	4.0	41669 504	.370	.330	12.1	43151 503	15.800	15.100	4.6
41603 501	17.000	15.800	7.6	41669 505	.400	.360	11.1	43151 504	18.500	18.000	2.8
41603 503	22.000	21.100	4.3	41670 501	.640	.550	16.4	43151 505	13.300	12.800	3.9
41603 504	10.100	9.850	2.5	41670 503	.630	.560	12.5	43152 501	13.500	13.000	3.8
41603 505	8.880	8.590	3.4	41670 504	.620	.560	10.7	43152 503	12.300	12.300	0.0

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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
43152	504	7.980	8.080	-1.2	43628	503	92.600	82.600	12.1	44070	501	2.290	1.980	15.7
43152	505	9.330	9.370	-0.4	43628	504	91.300	82.800	10.3	44070	503	2.260	2.010	12.4
43200	501	102.000	94.000	8.5	43628	505	99.800	89.800	11.1	44070	504	2.220	2.020	9.9
43200	503	60.200	57.600	4.5	43629	501	79.700	68.700	16.0	44070	505	2.430	2.190	11.0
43200	504	70.500	68.600	2.8	43629	503	78.500	70.000	12.1	44071	501	2.550	2.200	15.9
43200	505	50.600	48.900	3.5	43629	504	77.400	70.200	10.3	44071	503	2.510	2.240	12.1
43421	501	27.800	25.800	7.8	43629	505	84.600	76.100	11.2	44071	504	2.470	2.250	9.8
43421	503	16.500	15.800	4.4	43760	501	2.650	2.290	15.7	44071	505	2.710	2.430	11.5
43421	504	19.300	18.800	2.7	43760	503	2.620	2.330	12.4	44072	501	1.760	1.520	15.8
43421	505	13.900	13.400	3.7	43760	504	2.580	2.340	10.3	44072	503	1.730	1.550	11.6
43422	501	146.000	135.000	8.1	43760	505	2.820	2.530	11.5	44072	504	1.710	1.550	10.3
43422	503	86.500	82.800	4.5	43822	501	3.410	3.360	1.5	44072	505	1.870	1.680	11.3
43422	504	101.000	98.700	2.3	43822	503	3.660	3.570	2.5	44100	501	6.100	5.870	3.9
43422	505	72.800	70.300	3.6	43822	504	2.510	2.450	2.4	44100	503	8.670	8.630	0.5
43470	501	4.280	4.220	1.4	43822	505	3.860	3.720	3.8	44100	504	5.120	5.180	-1.2
43470	503	4.600	4.490	2.4	43840	501	.042	.041	2.4	44100	505	6.660	6.680	-0.3
43470	504	3.150	3.080	2.3	43840	503	.045	.044	2.3	44101	501	6.350	6.120	3.8
43470	505	4.850	4.670	3.9	43840	504	.031	.030	3.3	44101	503	9.040	8.990	0.6
43518	501	9.060	7.810	16.0	43840	505	.047	.046	2.2	44101	504	5.330	5.400	-1.3
43518	503	8.920	7.960	12.1	43860	501	2.680	2.640	1.5	44101	505	6.940	6.950	-0.1
43518	504	8.790	7.980	10.2	43860	503	2.880	2.810	2.5	44102	501	4.960	4.770	4.0
43518	505	9.610	8.650	11.1	43860	504	1.970	1.930	2.1	44102	503	7.050	7.010	0.6
43550	501	99.300	91.900	8.1	43860	505	3.030	2.920	3.8	44102	504	4.160	4.210	-1.2
43550	503	58.800	56.300	4.4	43889	501	.960	.940	2.1	44102	505	5.410	5.420	-0.2
43550	504	68.900	67.100	2.7	43889	503	1.030	1.000	3.0	44103	501	4.380	4.220	3.8
43550	505	49.500	47.800	3.6	43889	504	.710	.690	2.9	44103	503	6.240	6.200	0.6
43551	501	55.100	51.000	8.0	43889	505	1.090	1.050	3.8	44103	504	3.680	3.730	-1.3
43551	503	32.600	31.200	4.5	44009	501	4.760	4.510	5.5	44103	505	4.790	4.800	-0.2
43551	504	38.200	37.200	2.7	44009	503	5.330	5.190	2.7	44104	501	1.840	1.770	4.0
43551	505	27.500	26.500	3.8	44009	504	4.620	4.570	1.1	44104	503	2.620	2.610	0.4
43626	501	7.240	6.240	16.0	44009	505	3.700	3.630	1.9	44104	504	1.550	1.570	-1.3
43626	503	7.130	6.360	12.1	44069	501	7.740	6.670	16.0	44104	505	2.010	2.020	-0.5
43626	504	7.030	6.370	10.4	44069	503	7.620	6.800	12.1	44108	501	2.160	2.080	3.8
43626	505	7.680	6.910	11.1	44069	504	7.510	6.820	10.1	44108	503	3.070	3.060	0.3
43628	501	94.000	81.100	15.9	44069	505	8.210	7.390	11.1	44108	504	1.810	1.840	-1.6

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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
44108	505	2.360	2.360	0.0	44315	504	3.050	2.770	10.1	44435	503	33.600	34.000	-1.2
44109	501	5.460	5.260	3.8	44315	505	3.330	3.000	11.0	44435	504	23.400	24.000	-2.5
44109	503	7.770	7.730	0.5	44427	501	49.900	49.100	1.6	44435	505	38.100	38.800	-1.8
44109	504	4.580	4.640	-1.3	44427	503	50.200	50.700	-1.0	44436	501	39.100	38.400	1.8
44109	505	5.970	5.980	-0.2	44427	504	34.900	35.800	-2.5	44436	503	39.200	39.700	-1.3
44110	501	5.590	5.380	3.9	44427	505	57.000	57.900	-1.6	44436	504	27.300	28.000	-2.5
44110	503	7.950	7.910	0.5	44428	501	50.200	49.400	1.6	44436	505	44.600	45.300	-1.5
44110	504	4.690	4.750	-1.3	44428	503	50.500	51.000	-1.0	44437	501	32.400	31.800	1.9
44110	505	6.110	6.120	-0.2	44428	504	35.100	36.000	-2.5	44437	503	32.500	32.900	-1.2
44111	501	3.430	3.300	3.9	44428	505	57.300	58.300	-1.7	44437	504	22.600	23.200	-2.6
44111	503	4.880	4.850	0.6	44429	501	.750	.740	1.4	44437	505	36.900	37.600	-1.9
44111	504	2.880	2.920	-1.4	44429	503	.760	.760	0.0	44438	501	25.600	25.100	2.0
44111	505	3.750	3.760	-0.3	44429	504	.530	.540	-1.9	44438	503	25.700	26.000	-1.2
44112	501	2.030	1.960	3.6	44429	505	.860	.870	-1.1	44438	504	17.900	18.300	-2.2
44112	503	2.890	2.880	0.3	44430	501	.520	.510	2.0	44438	505	29.200	29.700	-1.7
44112	504	1.710	1.730	-1.2	44430	503	.530	.530	0.0	44439	501	49.800	48.900	1.8
44112	505	2.220	2.230	-0.4	44430	504	.370	.370	0.0	44439	503	50.000	50.600	-1.2
44276	501	136.000	126.000	7.9	44430	505	.600	.610	-1.6	44439	504	34.800	35.700	-2.5
44276	503	80.800	77.200	4.7	44431	501	1.670	1.640	1.8	44439	505	56.800	57.800	-1.7
44276	504	94.500	92.100	2.6	44431	503	1.680	1.700	-1.2	44440	501	41.200	40.500	1.7
44276	505	67.900	65.600	3.5	44431	504	1.170	1.200	-2.5	44440	503	41.400	41.900	-1.2
44277	501	88.400	81.800	8.1	44431	505	1.910	1.940	-1.5	44440	504	28.800	29.500	-2.4
44277	503	52.400	50.100	4.6	44432	501	.530	.520	1.9	44440	505	47.000	47.800	-1.7
44277	504	61.300	59.700	2.7	44432	503	.530	.540	-1.9	45190	501	3.380	3.230	4.6
44277	505	44.100	42.500	3.8	44432	504	.370	.380	-2.6	45190	503	1.830	1.810	1.1
44280	501	.233	.229	1.7	44432	505	.600	.610	-1.6	45190	504	1.510	1.520	-0.7
44280	503	.250	.244	2.5	44433	501	16.900	16.600	1.8	45190	505	1.290	1.290	0.0
44280	504	.171	.167	2.4	44433	503	17.000	17.200	-1.2	45191	501	2.400	2.290	4.8
44280	505	.260	.250	4.0	44433	504	11.800	12.100	-2.5	45191	503	1.300	1.280	1.6
44311	501	4.670	4.030	15.9	44433	505	19.300	19.600	-1.5	45191	504	1.070	1.080	-0.9
44311	503	4.600	4.110	11.9	44434	501	32.300	31.700	1.9	45191	505	.920	.910	1.1
44311	504	4.540	4.120	10.2	44434	503	32.400	32.800	-1.2	45192	501	2.800	2.680	4.5
44311	505	4.960	4.460	11.2	44434	504	22.600	23.100	-2.2	45192	503	1.520	1.500	1.3
44315	501	3.140	2.710	15.9	44434	505	36.800	37.500	-1.9	45192	504	1.250	1.260	-0.8
44315	503	3.090	2.760	12.0	44435	501	33.400	32.900	1.5	45192	505	1.070	1.070	0.0

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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
45193	501	1.660	1.580	5.1	45900	505	.134	.128	4.7	46427	504	18.100	18.400	-1.6
45193	503	.900	.880	2.3	45901	501	.059	.055	7.3	46427	505	21.200	21.300	-0.5
45193	504	.740	.740	0.0	45901	503	.087	.082	6.1	46603	501	1.930	1.860	3.8
45193	505	.630	.630	0.0	45901	504	.103	.100	3.0	46603	503	1.760	1.750	0.6
45210	501	2.090	2.000	4.5	45901	505	.114	.110	3.6	46603	504	1.140	1.150	-0.9
45210	503	1.130	1.120	0.9	45937	501	.230	.212	8.5	46603	505	1.330	1.340	-0.7
45210	504	.940	.940	0.0	45937	503	.136	.130	4.6	46604	501	2.230	2.150	3.7
45210	505	.800	.800	0.0	45937	504	.159	.155	2.6	46604	503	2.030	2.020	0.5
45334	501	58.500	54.200	7.9	45937	505	.114	.110	3.6	46604	504	1.310	1.330	-1.5
45334	503	34.700	33.200	4.5	46004	501	22.700	21.100	7.6	46604	505	1.540	1.540	0.0
45334	504	40.600	39.500	2.8	46004	503	29.400	28.200	4.3	46606	501	5.950	5.730	3.8
45334	505	29.200	28.200	3.5	46004	504	13.500	13.200	2.3	46606	503	5.420	5.390	0.6
45380	501	.220	.210	4.8	46004	505	11.900	11.500	3.5	46606	504	3.510	3.550	-1.1
45380	503	.250	.239	4.6	46005	501	18.200	16.900	7.7	46606	505	4.100	4.120	-0.5
45380	504	.233	.219	6.4	46005	503	23.500	22.500	4.4	46607	501	8.180	7.890	3.7
45380	505	.181	.167	8.4	46005	504	10.800	10.500	2.9	46607	503	7.450	7.410	0.5
45450	501	17.200	15.900	8.2	46005	505	9.500	9.200	3.3	46607	504	4.820	4.890	-1.4
45450	503	10.200	9.750	4.6	46112	501	.054	.053	1.9	46607	505	5.640	5.660	-0.4
45450	504	11.900	11.600	2.6	46112	503	.055	.055	0.0	46622	501	9.950	9.810	1.4
45450	505	8.580	8.280	3.6	46112	504	.038	.039	-2.6	46622	503	10.700	10.400	2.9
45678	501	.250	.248	0.8	46112	505	.062	.063	-1.6	46622	504	7.320	7.160	2.2
45678	503	.270	.260	3.8	46202	501	4.290	4.100	4.6	46622	505	11.300	10.900	3.7
45678	504	.185	.181	2.2	46202	503	2.320	2.290	1.3	46700	501	204.000	189.000	7.9
45678	505	.280	.270	3.7	46202	504	1.920	1.920	0.0	46700	503	121.000	116.000	4.3
45771	501	.340	.320	6.3	46202	505	1.640	1.640	0.0	46700	504	142.000	138.000	2.9
45771	503	.390	.360	8.3	46362	501	158.000	152.000	3.9	46700	505	102.000	98.300	3.8
45771	504	.360	.330	9.1	46362	503	144.000	143.000	0.7	46911	501	14.300	12.400	15.3
45771	505	.280	.250	12.0	46362	504	93.000	94.200	-1.3	46911	503	14.100	12.600	11.9
45819	501	.109	.104	4.8	46362	505	109.000	109.000	0.0	46911	504	13.900	12.600	10.3
45819	503	.126	.118	6.8	46426	501	23.100	22.200	4.1	46911	505	15.200	13.700	10.9
45819	504	.115	.109	5.5	46426	503	21.000	20.900	0.5	46912	501	26.200	22.600	15.9
45819	505	.090	.083	8.4	46426	504	13.600	13.800	-1.4	46912	503	25.800	23.100	11.7
45900	501	.069	.064	7.8	46426	505	15.900	16.000	-0.6	46912	504	25.500	23.100	10.4
45900	503	.101	.096	5.2	46427	501	30.800	29.700	3.7	46912	505	27.800	25.000	11.2
45900	504	.120	.116	3.4	46427	503	28.000	27.900	0.4	47050	501	.930	.920	1.1

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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
47050	503	1.000	.980	2.0	47475	501	3.590	3.340	7.5	48558	505	7.420	6.680	11.1
47050	504	.680	.670	1.5	47475	503	4.640	4.450	4.3	48600	501	46.100	44.400	3.8
47050	505	1.050	1.020	2.9	47475	504	2.130	2.080	2.4	48600	503	42.000	41.800	0.5
47221	501	224.000	207.000	8.2	47475	505	1.880	1.820	3.3	48600	504	27.200	27.500	-1.1
47221	503	133.000	127.000	4.7	47476	501	3.590	3.340	7.5	48600	505	31.800	31.900	-0.3
47221	504	155.000	151.000	2.6	47476	503	4.640	4.450	4.3	48636	501	.860	.900	-4.4
47221	505	112.000	108.000	3.7	47476	504	2.130	2.080	2.4	48636	503	.770	.800	-3.8
47318	501	5.890	5.080	15.9	47476	505	1.880	1.820	3.3	48636	504	1.160	1.210	-4.1
47318	503	5.800	5.170	12.2	47477	501	4.780	4.450	7.4	48636	505	.930	.950	-2.1
47318	504	5.710	5.190	10.0	47477	503	6.190	5.930	4.4	48637	501	6.140	5.300	15.8
47318	505	6.250	5.620	11.2	47477	504	2.840	2.780	2.2	48637	503	6.050	5.400	12.0
47367	501	.233	.229	1.7	47477	505	2.500	2.420	3.3	48637	504	5.960	5.410	10.2
47367	503	.250	.244	2.5	47478	501	5.020	4.670	7.5	48637	505	6.520	5.870	11.1
47367	504	.171	.167	2.4	47478	503	6.500	6.230	4.3	48638	501	3.050	2.630	16.0
47367	505	.260	.250	4.0	47478	504	2.980	2.910	2.4	48638	503	3.000	2.680	11.9
47420	501	1.290	1.110	16.2	47478	505	2.630	2.540	3.5	48638	504	2.960	2.690	10.0
47420	503	1.270	1.130	12.4	48039	501	72.000	66.700	7.9	48638	505	3.240	2.910	11.3
47420	504	1.250	1.140	9.6	48039	503	42.700	40.800	4.7	48808	501	1.020	.940	8.5
47420	505	1.370	1.230	11.4	48039	504	50.000	48.700	2.7	48808	503	1.490	1.420	4.9
47469	501	3.590	3.340	7.5	48039	505	35.900	34.600	3.8	48808	504	1.770	1.720	2.9
47469	503	4.640	4.450	4.3	48206	501	19.100	16.500	15.8	48808	505	1.970	1.900	3.7
47469	504	2.130	2.080	2.4	48206	503	18.900	16.800	12.5	48925	501	147.000	127.000	15.7
47469	505	1.880	1.820	3.3	48206	504	18.600	16.900	10.1	48925	503	145.000	129.000	12.4
47471	501	3.110	2.890	7.6	48206	505	20.300	18.300	10.9	48925	504	143.000	130.000	10.0
47471	503	4.020	3.860	4.1	48441	501	.080	.069	15.9	48925	505	156.000	140.000	11.4
47471	504	1.850	1.800	2.8	48441	503	.079	.071	11.3	49005	501	.158	.156	1.3
47471	505	1.630	1.570	3.8	48441	504	.078	.071	9.9	49005	503	.170	.166	2.4
47473	501	4.070	3.780	7.7	48441	505	.085	.077	10.4	49005	504	.116	.114	1.8
47473	503	5.260	5.040	4.4	48557	501	8.040	6.940	15.9	49005	505	.179	.173	3.5
47473	504	2.420	2.360	2.5	48557	503	7.920	7.070	12.0	49111	501	1.560	1.440	8.3
47473	505	2.130	2.060	3.4	48557	504	7.810	7.080	10.3	49111	503	2.280	2.170	5.1
47474	501	4.550	4.230	7.6	48557	505	8.530	7.680	11.1	49111	504	2.700	2.630	2.7
47474	503	5.880	5.640	4.3	48558	501	6.990	6.030	15.9	49111	505	3.010	2.900	3.8
47474	504	2.700	2.640	2.3	48558	503	6.890	6.150	12.0	49181	501	23.500	21.800	7.8
47474	505	2.380	2.300	3.5	48558	504	6.790	6.160	10.2	49181	503	13.900	13.300	4.5

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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
49181	504	16.300	15.900	2.5	49619	503	.570	.550	3.6	50017	501	.037	.040	-7.5
49181	505	11.700	11.300	3.5	49619	504	.490	.490	0.0	50017	503	.070	.073	-4.1
49183	501	28.700	26.600	7.9	49619	505	.390	.390	0.0	50017	504	.069	.076	-9.2
49183	503	17.000	16.300	4.3	49763	501	3.300	3.120	5.8	50017	505	.059	.063	-6.3
49183	504	19.900	19.400	2.6	49763	503	3.690	3.590	2.8	50045	501	.084	.092	-8.7
49183	505	14.300	13.800	3.6	49763	504	3.200	3.160	1.3	50045	503	.159	.168	-5.4
49184	501	60.600	56.000	8.2	49763	505	2.560	2.510	2.0	50045	504	.158	.173	-8.7
49184	503	35.900	34.300	4.7	49801	501	197.000	183.000	7.7	50045	505	.134	.145	-7.6
49184	504	42.000	40.900	2.7	49801	503	117.000	112.000	4.5	50047	501	.009	.010	-10.0
49184	505	30.200	29.100	3.8	49801	504	137.000	133.000	3.0	50047	503	.018	.019	-5.3
49185	501	55.100	51.000	8.0	49801	505	98.400	95.000	3.6	50047	504	.018	.019	-5.3
49185	503	32.600	31.200	4.5	49802	501	17.500	16.200	8.0	50047	505	.015	.016	-6.3
49185	504	38.200	37.200	2.7	49802	503	10.400	9.920	4.8	51001	501	.030	.031	-3.2
49185	505	27.500	26.500	3.8	49802	504	12.100	11.800	2.5	51001	503	.026	.027	-3.7
49239	501	.165	.157	5.1	49802	505	8.730	8.420	3.7	51001	504	.040	.041	-2.4
49239	503	.191	.179	6.7	49803	501	31.000	28.700	8.0	51001	505	.032	.033	-3.0
49239	504	.174	.164	6.1	49803	503	18.400	17.600	4.5	51005	501	.006	.006	0.0
49239	505	.135	.125	8.0	49803	504	21.500	20.900	2.9	51005	503	.005	.006	-16.7
49292	501	1.720	1.590	8.2	49803	505	15.400	14.900	3.4	51005	504	.008	.009	-11.1
49292	503	1.020	.980	4.1	49840	501	.960	.940	2.1	51005	505	.007	.007	0.0
49292	504	1.190	1.160	2.6	49840	503	1.030	1.000	3.0	51116	501	.075	.078	-3.8
49292	505	.860	.830	3.6	49840	504	.710	.690	2.9	51116	503	.067	.069	-2.9
49333	501	12.600	11.700	7.7	49840	505	1.090	1.050	3.8	51116	504	.101	.105	-3.8
49333	503	7.480	7.150	4.6	49870	501	61.500	53.000	16.0	51116	505	.081	.083	-2.4
49333	504	8.760	8.530	2.7	49870	503	60.500	54.000	12.0	51201	501	.013	.014	-7.1
49333	505	6.290	6.070	3.6	49870	504	59.700	54.100	10.4	51201	503	.024	.025	-4.0
49617	501	.320	.300	6.7	49870	505	65.200	58.700	11.1	51201	504	.024	.026	-7.7
49617	503	.360	.350	2.9	50010	501	.074	.081	-8.6	51201	505	.020	.022	-9.1
49617	504	.310	.310	0.0	50010	503	.140	.148	-5.4	51205	501	.039	.042	-7.1
49617	505	.250	.245	2.0	50010	504	.140	.153	-8.5	51205	503	.073	.077	-5.2
49618	501	.270	.260	3.8	50010	505	.118	.128	-7.8	51205	504	.073	.080	-8.7
49618	503	.300	.290	3.4	50015	501	.048	.053	-9.4	51205	505	.062	.067	-7.5
49618	504	.260	.260	0.0	50015	503	.091	.096	-5.2	51206	501	.006	.007	-14.3
49618	505	.210	.206	1.9	50015	504	.091	.099	-8.1	51206	503	.011	.012	-8.3
49619	501	.510	.480	6.2	50015	505	.077	.083	-7.2	51206	504	.011	.012	-8.3

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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
51206	505	.010	.010	0.0	51250	504	.184	.191	-3.7	51330	503	.047	.049	-4.1
51210	501	.052	.054	-3.7	51250	505	.147	.151	-2.6	51330	504	.071	.074	-4.1
51210	503	.046	.048	-4.2	51251	501	.013	.014	-7.1	51330	505	.057	.058	-1.7
51210	504	.070	.072	-2.8	51251	503	.025	.026	-3.8	51333	501	.017	.018	-5.6
51210	505	.056	.057	-1.8	51251	504	.025	.027	-7.4	51333	503	.015	.016	-6.3
51220	501	.177	.186	-4.8	51251	505	.021	.023	-8.7	51333	504	.023	.024	-4.2
51220	503	.158	.164	-3.7	51252	501	.046	.050	-8.0	51333	505	.019	.019	0.0
51220	504	.239	.248	-3.6	51252	503	.087	.092	-5.4	51340	501	.013	.014	-7.1
51220	505	.192	.197	-2.5	51252	504	.087	.095	-8.4	51340	503	.024	.025	-4.0
51221	501	.099	.103	-3.9	51252	505	.073	.079	-7.6	51340	504	.024	.026	-7.7
51221	503	.088	.091	-3.3	51253	501	.039	.043	-9.3	51340	505	.020	.022	-9.1
51221	504	.133	.138	-3.6	51253	503	.074	.078	-5.1	51350	501	.164	.164	0.0
51221	505	.107	.109	-1.8	51253	504	.074	.081	-8.6	51350	503	.158	.156	1.3
51222	501	.120	.126	-4.8	51253	505	.063	.068	-7.4	51350	504	.183	.180	1.7
51222	503	.107	.111	-3.6	51254	501	.012	.013	-7.7	51350	505	.130	.127	2.4
51222	504	.162	.168	-3.6	51254	503	.023	.024	-4.2	51351	501	.147	.147	0.0
51222	505	.130	.133	-2.3	51254	504	.023	.025	-8.0	51351	503	.142	.139	2.2
51224	501	.126	.132	-4.5	51254	505	.020	.021	-4.8	51351	504	.163	.162	0.6
51224	503	.112	.116	-3.4	51255	501	.350	.360	-2.8	51351	505	.117	.114	2.6
51224	504	.169	.176	-4.0	51255	503	.310	.320	-3.1	51352	501	.202	.202	0.0
51224	505	.136	.139	-2.2	51255	504	.470	.480	-2.1	51352	503	.194	.191	1.6
51230	501	.021	.022	-4.5	51255	505	.370	.380	-2.6	51352	504	.224	.222	0.9
51230	503	.019	.020	-5.0	51300	501	.098	.098	0.0	51352	505	.160	.156	2.6
51230	504	.029	.030	-3.3	51300	503	.094	.093	1.1	51355	501	.137	.138	-0.7
51230	505	.023	.024	-4.2	51300	504	.109	.107	1.9	51355	503	.132	.130	1.5
51240	501	.152	.167	-9.0	51300	505	.077	.076	1.3	51355	504	.153	.151	1.3
51240	503	.290	.310	-6.5	51305	501	.098	.098	0.0	51355	505	.109	.106	2.8
51240	504	.290	.310	-6.5	51305	503	.094	.093	1.1	51356	501	.148	.148	0.0
51240	505	.243	.260	-6.5	51305	504	.109	.107	1.9	51356	503	.143	.140	2.1
51241	501	.450	.500	-10.0	51305	505	.077	.076	1.3	51356	504	.165	.163	1.2
51241	503	.860	.910	-5.5	51315	501	.107	.102	4.9	51356	505	.117	.115	1.7
51241	504	.850	.930	-8.6	51315	503	.124	.116	6.9	51357	501	.152	.144	5.6
51241	505	.720	.780	-7.7	51315	504	.113	.106	6.6	51357	503	.176	.165	6.7
51250	501	.136	.143	-4.9	51315	505	.088	.081	8.6	51357	504	.161	.151	6.6
51250	503	.122	.126	-3.2	51330	501	.053	.055	-3.6	51357	505	.125	.115	8.7

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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	.370	.350	5.7	51517	505	.090	.086	4.7	51613	504	.057	.062	-8.1
51358	503	.420	.400	5.0	51550	501	.035	.038	-7.9	51613	505	.048	.052	-7.7
51358	504	.390	.360	8.3	51550	503	.066	.070	-5.7	51625	501	.027	.028	-3.6
51358	505	.300	.280	7.1	51550	504	.066	.072	-8.3	51625	503	.024	.025	-4.0
51359	501	.320	.310	3.2	51550	505	.056	.060	-6.7	51625	504	.037	.038	-2.6
51359	503	.370	.350	5.7	51551	501	.012	.013	-7.7	51625	505	.029	.030	-3.3
51359	504	.340	.320	6.3	51551	503	.023	.024	-4.2	51666	501	.070	.070	0.0
51359	505	.260	.244	6.6	51551	504	.023	.025	-8.0	51666	503	.067	.066	1.5
51370	501	.149	.163	-8.6	51551	505	.019	.021	-9.5	51666	504	.078	.077	1.3
51370	503	.280	.300	-6.7	51552	501	.021	.023	-8.7	51666	505	.055	.054	1.9
51370	504	.280	.310	-9.7	51552	503	.040	.042	-4.8	51702	501	.081	.085	-4.7
51370	505	.238	.260	-8.5	51552	504	.040	.043	-7.0	51702	503	.073	.075	-2.7
51380	501	.015	.016	-6.3	51552	505	.033	.036	-8.3	51702	504	.110	.114	-3.5
51380	503	.028	.030	-6.7	51553	501	.037	.041	-9.8	51702	505	.088	.090	-2.2
51380	504	.028	.031	-9.7	51553	503	.071	.075	-5.3	51703	501	.034	.035	-2.9
51380	505	.024	.026	-7.7	51553	504	.070	.077	-9.1	51703	503	.030	.031	-3.2
51400	501	.123	.129	-4.7	51553	505	.060	.064	-6.2	51703	504	.045	.047	-4.3
51400	503	.110	.114	-3.5	51554	501	.004	.004	0.0	51703	505	.036	.037	-2.7
51400	504	.166	.172	-3.5	51554	503	.007	.007	0.0	51734	501	.063	.066	-4.5
51400	505	.133	.137	-2.9	51554	504	.007	.007	0.0	51734	503	.056	.059	-5.1
51401	501	.181	.190	-4.7	51554	505	.006	.006	0.0	51734	504	.085	.088	-3.4
51401	503	.162	.168	-3.6	51575	501	.044	.044	0.0	51734	505	.068	.070	-2.9
51401	504	.245	.250	-2.0	51575	503	.042	.042	0.0	51741	501	.079	.087	-9.2
51401	505	.196	.201	-2.5	51575	504	.049	.048	2.1	51741	503	.150	.159	-5.7
51500	501	.028	.031	-9.7	51575	505	.035	.034	2.9	51741	504	.150	.164	-8.5
51500	503	.053	.056	-5.4	51576	501	.067	.073	-8.2	51741	505	.127	.137	-7.3
51500	504	.053	.058	-8.6	51576	503	.127	.134	-5.2	51752	501	.067	.073	-8.2
51500	505	.045	.049	-8.2	51576	504	.126	.138	-8.7	51752	503	.127	.134	-5.2
51516	501	.070	.069	1.4	51576	505	.107	.116	-7.8	51752	504	.126	.138	-8.7
51516	503	.075	.073	2.7	51600	501	.045	.050	-10.0	51752	505	.107	.116	-7.8
51516	504	.051	.050	2.0	51600	503	.086	.091	-5.5	51767	501	.020	.020	0.0
51516	505	.079	.076	3.9	51600	504	.086	.094	-8.5	51767	503	.020	.019	5.3
51517	501	.079	.078	1.3	51600	505	.073	.079	-7.6	51767	504	.023	.022	4.5
51517	503	.085	.083	2.4	51613	501	.030	.033	-9.1	51767	505	.016	.016	0.0
51517	504	.058	.057	1.8	51613	503	.057	.060	-5.0	51777	501	.071	.071	0.0

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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
51777	503	.068	.067	1.5	51853	501	.081	.085	-4.7	51896	505	.024	.025	-4.0
51777	504	.079	.078	1.3	51853	503	.073	.075	-2.7	51900	501	.079	.080	-1.3
51777	505	.056	.055	1.8	51853	504	.110	.114	-3.5	51900	503	.077	.075	2.7
51790	501	.118	.118	0.0	51853	505	.088	.090	-2.2	51900	504	.088	.087	1.1
51790	503	.114	.112	1.8	51854	501	.182	.191	-4.7	51900	505	.063	.061	3.3
51790	504	.131	.130	0.8	51854	503	.163	.169	-3.6	51909	501	.115	.120	-4.2
51790	505	.094	.091	3.3	51854	504	.246	.260	-5.4	51909	503	.103	.107	-3.7
51796	501	.029	.032	-9.4	51854	505	.197	.202	-2.5	51909	504	.155	.161	-3.7
51796	503	.055	.058	-5.2	51855	501	.191	.200	-4.5	51909	505	.124	.127	-2.4
51796	504	.055	.060	-8.3	51855	503	.171	.177	-3.4	51919	501	.032	.035	-8.6
51796	505	.046	.050	-8.0	51855	504	.260	.270	-3.7	51919	503	.060	.064	-6.2
51808	501	.103	.112	-8.0	51855	505	.207	.212	-2.4	51919	504	.060	.066	-9.1
51808	503	.195	.206	-5.3	51856	501	.105	.110	-4.5	51919	505	.051	.055	-7.3
51808	504	.194	.212	-8.5	51856	503	.094	.097	-3.1	51926	501	.032	.036	-11.1
51808	505	.164	.177	-7.3	51856	504	.142	.147	-3.4	51926	503	.061	.065	-6.2
51809	501	.127	.140	-9.3	51856	505	.114	.117	-2.6	51926	504	.061	.067	-9.0
51809	503	.241	.260	-7.3	51857	501	.180	.188	-4.3	51926	505	.052	.056	-7.1
51809	504	.241	.260	-7.3	51857	503	.161	.167	-3.6	51927	501	.018	.019	-5.3
51809	505	.203	.220	-7.7	51857	504	.242	.250	-3.2	51927	503	.033	.035	-5.7
51833	501	.106	.106	0.0	51857	505	.195	.199	-2.0	51927	504	.033	.036	-8.3
51833	503	.102	.101	1.0	51869	501	.034	.037	-8.1	51927	505	.028	.030	-6.7
51833	504	.118	.117	0.9	51869	503	.064	.068	-5.9	51934	501	.035	.039	-10.3
51833	505	.084	.082	2.4	51869	504	.064	.070	-8.6	51934	503	.067	.071	-5.6
51850	501	.127	.133	-4.5	51869	505	.054	.059	-8.5	51934	504	.067	.073	-8.2
51850	503	.114	.118	-3.4	51877	501	.192	.210	-8.6	51934	505	.057	.061	-6.6
51850	504	.172	.178	-3.4	51877	503	.360	.380	-5.3	51941	501	.032	.035	-8.6
51850	505	.138	.141	-2.1	51877	504	.360	.400	-10.0	51941	503	.061	.065	-6.2
51851	501	.086	.090	-4.4	51877	505	.310	.330	-6.1	51941	504	.061	.067	-9.0
51851	503	.077	.080	-3.7	51889	501	.032	.035	-8.6	51941	505	.052	.056	-7.1
51851	504	.116	.121	-4.1	51889	503	.060	.063	-4.8	51942	501	.052	.056	-7.1
51851	505	.093	.096	-3.1	51889	504	.060	.065	-7.7	51942	503	.098	.103	-4.9
51852	501	.202	.212	-4.7	51889	505	.050	.054	-7.4	51942	504	.097	.106	-8.5
51852	503	.180	.187	-3.7	51896	501	.015	.016	-6.3	51942	505	.082	.089	-7.9
51852	504	.270	.280	-3.6	51896	503	.028	.029	-3.4	51956	501	.139	.153	-9.2
51852	505	.219	.224	-2.2	51896	504	.028	.030	-6.7	51956	503	.260	.280	-7.1

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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
51956	504	.260	.290	-10.3	51999	503	.059	.063	-6.3	52341	501	.025	.026	-3.8
51956	505	.222	.241	-7.9	51999	504	.059	.064	-7.8	52341	503	.022	.023	-4.3
51957	501	.123	.134	-8.2	51999	505	.050	.054	-7.4	52341	504	.033	.034	-2.9
51957	503	.233	.246	-5.3	52002	501	.027	.030	-10.0	52341	505	.027	.027	0.0
51957	504	.232	.250	-7.2	52002	503	.052	.055	-5.5	52342	501	.071	.075	-5.3
51957	505	.196	.212	-7.5	52002	504	.052	.057	-8.8	52342	503	.064	.066	-3.0
51958	501	.109	.119	-8.4	52002	505	.044	.047	-6.4	52342	504	.096	.100	-4.0
51958	503	.207	.218	-5.0	52075	501	.100	.105	-4.8	52342	505	.077	.079	-2.5
51958	504	.206	.225	-8.4	52075	503	.089	.093	-4.3	52343	501	.044	.046	-4.3
51958	505	.174	.188	-7.4	52075	504	.135	.140	-3.6	52343	503	.039	.040	-2.5
51959	501	.112	.122	-8.2	52075	505	.108	.111	-2.7	52343	504	.059	.061	-3.3
51959	503	.212	.224	-5.4	52076	501	.121	.126	-4.0	52343	505	.047	.048	-2.1
51959	504	.211	.231	-8.7	52076	503	.108	.112	-3.6	52401	501	.135	.141	-4.3
51959	505	.178	.193	-7.8	52076	504	.163	.169	-3.6	52401	503	.120	.125	-4.0
51960	501	.015	.016	-6.3	52076	505	.131	.134	-2.2	52401	504	.181	.188	-3.7
51960	503	.028	.029	-3.4	52109	501	.007	.008	-12.5	52401	505	.146	.149	-2.0
51960	504	.028	.030	-6.7	52109	503	.013	.014	-7.1	52402	501	.007	.008	-12.5
51960	505	.024	.025	-4.0	52109	504	.013	.014	-7.1	52402	503	.013	.014	-7.1
51970	501	.064	.070	-8.6	52109	505	.011	.012	-8.3	52402	504	.013	.014	-7.1
51970	503	.121	.128	-5.5	52134	501	.092	.101	-8.9	52402	505	.011	.012	-8.3
51970	504	.121	.132	-8.3	52134	503	.174	.184	-5.4	52432	501	.034	.038	-10.5
51970	505	.102	.111	-8.1	52134	504	.173	.190	-8.9	52432	503	.065	.069	-5.8
51982	501	.019	.021	-9.5	52134	505	.147	.159	-7.5	52432	504	.065	.071	-8.5
51982	503	.036	.038	-5.3	52137	501	.039	.041	-4.9	52432	505	.055	.059	-6.8
51982	504	.036	.039	-7.7	52137	503	.035	.037	-5.4	52433	501	.031	.034	-8.8
51982	505	.030	.033	-9.1	52137	504	.053	.055	-3.6	52433	503	.059	.063	-6.3
51985	501	.065	.064	1.6	52137	505	.043	.044	-2.3	52433	504	.059	.065	-9.2
51985	503	.070	.068	2.9	52150	501	.169	.185	-8.6	52433	505	.050	.054	-7.4
51985	504	.048	.047	2.1	52150	503	.320	.340	-5.9	52435	501	.039	.043	-9.3
51985	505	.074	.071	4.2	52150	504	.320	.350	-8.6	52435	503	.075	.079	-5.1
51986	501	.074	.081	-8.6	52150	505	.270	.290	-6.9	52435	504	.074	.081	-8.6
51986	503	.140	.148	-5.4	52315	501	.092	.092	0.0	52435	505	.063	.068	-7.4
51986	504	.140	.153	-8.5	52315	503	.089	.088	1.1	52438	501	.028	.031	-9.7
51986	505	.118	.128	-7.8	52315	504	.103	.101	2.0	52438	503	.054	.057	-5.3
51999	501	.031	.034	-8.8	52315	505	.073	.071	2.8	52438	504	.054	.059	-8.5

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

```
STATE: 41 - TENNESSEE
SUBLINE: PREM/OPS
                                   LOSS COST % CHANGE BY CLASS


           PROPOSED  PRESENT    %                PROPOSED  PRESENT    %                PROPOSED  PRESENT    %
CLASS TERR OCCURR    OCCURR    CHG    CLASS TERR  OCCURR    OCCURR    CHG    CLASS TERR  OCCURR    OCCURR    CHG
--------------------------------------------------------------------------------------------------------------
52438 505    .045     .049    -8.2    52744 504    .450     .450     0.0    53147 503    .016     .017    -5.9
52440 501    .045     .049    -8.2    52744 505    .320     .310     3.2    53147 504    .024     .025    -4.0
52440 503    .085     .089    -4.5    52767 501    .107     .112    -4.5    53147 505    .020     .020     0.0
52440 504    .084     .092    -8.7    52767 503    .095     .099    -4.0    53229 501    .101     .106    -4.7
52440 505    .071     .077    -7.8    52767 504    .144     .149    -3.4    53229 503    .090     .094    -4.3

52467 501    .041     .045    -8.9    52767 505    .115     .118    -2.5    53229 504    .136     .141    -3.5
52467 503    .078     .083    -6.0    52911 501    .020     .021    -4.8    53229 505    .109     .112    -2.7
52467 504    .078     .085    -8.2    52911 503    .037     .039    -5.1    53271 501    .018     .019    -5.3
52467 505    .066     .071    -7.0    52911 504    .037     .040    -7.5    53271 503    .033     .035    -5.7
52469 501    .014     .016   -12.5    52911 505    .031     .034    -8.8    53271 504    .033     .037   -10.8

52469 503    .027     .029    -6.9    52967 501    .007     .008   -12.5    53271 505    .028     .031    -9.7
52469 504    .027     .030   -10.0    52967 503    .014     .015    -6.7    53333 501    .099     .104    -4.8
52469 505    .023     .025    -8.0    52967 504    .014     .015    -6.7    53333 503    .089     .092    -3.3
52505 501    .072     .079    -8.9    52967 505    .012     .013    -7.7    53333 504    .134     .139    -3.6
52505 503    .136     .144    -5.6    53001 501    .072     .079    -8.9    53333 505    .107     .110    -2.7

52505 504    .136     .148    -8.1    53001 503    .136     .144    -5.6    53374 501    .107     .107     0.0
52505 505    .115     .124    -7.3    53001 504    .136     .149    -8.7    53374 503    .103     .102     1.0
52547 501    .117     .122    -4.1    53001 505    .115     .124    -7.3    53374 504    .119     .118     0.8
52547 503    .104     .108    -3.7    53077 501    .035     .038    -7.9    53374 505    .085     .083     2.4
52547 504    .157     .163    -3.7    53077 503    .066     .069    -4.3    53375 501    .057     .057     0.0

52547 505    .126     .129    -2.3    53077 504    .065     .071    -8.5    53375 503    .055     .054     1.9
52581 501    .350     .380    -7.9    53077 505    .055     .060    -8.3    53375 504    .063     .063     0.0
52581 503    .660     .700    -5.7    53095 501    .024     .026    -7.7    53375 505    .045     .044     2.3
52581 504    .660     .720    -8.3    53095 503    .045     .047    -4.3    53376 501    .091     .091     0.0
52581 505    .560     .610    -8.2    53095 504    .045     .049    -8.2    53376 503    .088     .086     2.3

52619 501    .025     .027    -7.4    53095 505    .038     .041    -7.3    53376 504    .101     .100     1.0
52619 503    .047     .049    -4.1    53096 501    .033     .036    -8.3    53376 505    .072     .071     1.4
52619 504    .046     .051    -9.8    53096 504    .063     .066    -4.5    53377 501    .093     .094    -1.1
52619 505    .039     .043    -9.3    53096 504    .062     .068    -8.8    53377 503    .090     .089     1.1
52660 501    .083     .082     1.2    53096 505    .053     .057    -7.0    53377 504    .104     .103     1.0

52660 503    .089     .087     2.3    53121 501    .094     .103    -8.7    53377 505    .074     .072     2.8
52660 504    .061     .060     1.7    53121 503    .178     .188    -5.3    53403 501    .059     .059     0.0
52660 505    .094     .090     4.4    53121 504    .177     .194    -8.8    53403 503    .057     .056     1.8
52744 501    .410     .410     0.0    53121 505    .150     .162    -7.4    53403 504    .066     .065     1.5
52744 503    .390     .390     0.0    53147 501    .018     .019    -5.3    53403 505    .047     .046     2.2
```

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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	.094	.098	-4.1	53803	505	.242	.248	-2.4	55371	504	.300	.300	0.0
53425	503	.084	.087	-3.4	53907	501	.034	.038	-10.5	55371	505	.217	.212	2.4
53425	504	.126	.131	-3.8	53907	503	.065	.069	-5.8	55426	501	.103	.107	-3.7
53425	505	.101	.104	-2.9	53907	504	.065	.071	-8.5	55426	503	.092	.095	-3.2
53565	501	.069	.069	0.0	53907	505	.055	.060	-8.3	55426	504	.138	.144	-4.2
53565	503	.066	.065	1.5	54012	501	.042	.041	2.4	55426	505	.111	.114	-2.6
53565	504	.076	.076	0.0	54012	503	.045	.044	2.3	55597	501	.009	.010	-10.0
53565	505	.054	.053	1.9	54012	504	.031	.030	3.3	55597	503	.018	.019	-5.3
53631	501	.011	.012	-8.3	54012	505	.047	.046	2.2	55597	504	.018	.019	-5.3
53631	503	.021	.022	-4.5	54077	501	.047	.052	-9.6	55597	505	.015	.016	-6.3
53631	504	.021	.023	-8.7	54077	503	.089	.094	-5.3	55647	501	.019	.020	-5.0
53631	505	.017	.019	-10.5	54077	504	.089	.097	-8.2	55647	503	.035	.037	-5.4
53632	501	.013	.014	-7.1	54077	505	.075	.081	-7.4	55647	504	.035	.038	-7.9
53632	503	.024	.025	-4.0	55010	501	.142	.156	-9.0	55647	505	.030	.032	-6.3
53632	504	.024	.026	-7.7	55010	503	.270	.280	-3.6	55648	501	.008	.009	-11.1
53632	505	.020	.022	-9.1	55010	504	.270	.290	-6.9	55648	503	.016	.017	-5.9
53731	501	.011	.013	-15.4	55010	505	.227	.246	-7.7	55648	504	.016	.017	-5.9
53731	503	.022	.023	-4.3	55011	501	.038	.042	-9.5	55648	505	.013	.015	-13.3
53731	504	.022	.024	-8.3	55011	503	.073	.077	-5.2	55649	501	.010	.011	-9.1
53731	505	.018	.020	-10.0	55011	504	.073	.079	-7.6	55649	503	.019	.020	-5.0
53732	501	.078	.086	-9.3	55011	505	.061	.066	-7.6	55649	504	.019	.021	-9.5
53732	503	.148	.157	-5.7	55012	501	.046	.050	-8.0	55649	505	.016	.017	-5.9
53732	504	.148	.162	-8.6	55012	503	.087	.092	-5.4	55715	501	.074	.081	-8.6
53732	505	.125	.135	-7.4	55012	504	.087	.095	-8.4	55715	503	.140	.147	-4.8
53733	501	.051	.056	-8.9	55012	505	.073	.079	-7.6	55715	504	.139	.152	-8.6
53733	503	.097	.102	-4.9	55013	501	.085	.089	-4.5	55715	505	.118	.127	-7.1
53733	504	.096	.105	-8.6	55013	503	.076	.078	-2.6	55716	501	.106	.117	-9.4
53733	505	.081	.088	-8.0	55013	504	.114	.118	-3.4	55716	503	.202	.213	-5.2
53734	501	.420	.410	2.4	55013	505	.091	.094	-3.2	55716	504	.201	.220	-8.6
53734	503	.450	.440	2.3	55214	501	.037	.041	-9.8	55716	505	.170	.184	-7.6
53734	504	.310	.300	3.3	55214	503	.070	.074	-5.4	55717	501	.135	.142	-4.9
53734	505	.470	.460	2.2	55214	504	.070	.077	-9.1	55717	503	.121	.126	-4.0
53803	501	.223	.234	-4.7	55214	505	.059	.064	-7.8	55717	504	.183	.190	-3.7
53803	503	.200	.207	-3.4	55371	501	.270	.270	0.0	55717	505	.147	.150	-2.0
53803	504	.300	.310	-3.2	55371	503	.260	.260	0.0	55718	501	.131	.138	-5.1

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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	.117	.122	-4.1	56202	501	.026	.029	-10.3	56652	505	.123	.126	-2.4
55718	504	.177	.184	-3.8	56202	503	.050	.053	-5.7	56653	501	.109	.114	-4.4
55718	505	.142	.146	-2.7	56202	504	.050	.054	-7.4	56653	503	.098	.101	-3.0
55802	501	.071	.071	0.0	56202	505	.042	.045	-6.7	56653	504	.147	.153	-3.9
55802	503	.068	.067	1.5	56390	501	.046	.050	-8.0	56653	505	.118	.121	-2.5
55802	504	.079	.078	1.3	56390	503	.087	.092	-5.4	56654	501	.056	.058	-3.4
55802	505	.056	.055	1.8	56390	504	.087	.095	-8.4	56654	503	.050	.052	-3.8
55918	501	.042	.046	-8.7	56390	505	.073	.079	-7.6	56654	504	.075	.078	-3.8
55918	503	.080	.084	-4.8	56391	501	.039	.043	-9.3	56654	505	.060	.062	-3.2
55918	504	.080	.087	-8.0	56391	503	.075	.079	-5.1	56690	501	.061	.061	0.0
55918	505	.067	.073	-8.2	56391	504	.074	.081	-8.6	56690	503	.059	.058	1.7
55919	501	.006	.006	0.0	56391	505	.063	.068	-7.4	56690	504	.068	.067	1.5
55919	503	.011	.012	-8.3	56427	501	.063	.069	-8.7	56690	505	.049	.047	4.3
55919	504	.011	.012	-8.3	56427	503	.120	.127	-5.5	56699	501	.029	.032	-9.4
55919	505	.009	.010	-10.0	56427	504	.120	.131	-8.4	56699	503	.055	.058	-5.2
56040	501	.004	.004	0.0	56427	505	.101	.109	-7.3	56699	504	.055	.060	-8.3
56040	503	.008	.008	0.0	56488	501	.118	.118	0.0	56699	505	.047	.050	-6.0
56040	504	.008	.008	0.0	56488	503	.114	.112	1.8	56758	501	.025	.027	-7.4
56040	505	.006	.007	-14.3	56488	504	.131	.130	0.8	56758	503	.047	.050	-6.0
56041	501	.026	.029	-10.3	56488	505	.094	.091	3.3	56758	504	.047	.051	-7.8
56041	503	.050	.053	-5.7	56567	501	.095	.100	-5.0	56758	505	.040	.043	-7.0
56041	504	.050	.054	-7.4	56567	503	.085	.088	-3.4	56759	501	.025	.028	-10.7
56041	505	.042	.045	-6.7	56567	504	.128	.133	-3.8	56759	503	.048	.051	-5.9
56042	501	.033	.036	-8.3	56567	505	.103	.106	-2.8	56759	504	.048	.052	-7.7
56042	503	.063	.066	-4.5	56650	501	.290	.310	-6.5	56759	505	.040	.044	-9.1
56042	504	.062	.068	-8.8	56650	503	.260	.270	-3.7	56760	501	.036	.040	-10.0
56042	505	.053	.057	-7.0	56650	504	.390	.410	-4.9	56760	503	.069	.073	-5.5
56170	501	.092	.096	-4.2	56650	505	.320	.320	0.0	56760	504	.069	.075	-8.0
56170	503	.082	.085	-3.5	56651	501	.158	.166	-4.8	56760	505	.058	.063	-7.9
56170	504	.124	.129	-3.9	56651	503	.142	.147	-3.4	56805	501	.048	.052	-7.7
56170	505	.099	.102	-2.9	56651	504	.214	.222	-3.6	56805	503	.091	.096	-5.2
56171	501	.045	.047	-4.3	56651	505	.171	.176	-2.8	56805	504	.090	.099	-9.1
56171	503	.040	.042	-4.8	56652	501	.113	.119	-5.0	56805	505	.076	.083	-8.4
56171	504	.061	.063	-3.2	56652	503	.101	.105	-3.8	56806	501	.034	.037	-8.1
56171	505	.049	.050	-2.0	56652	504	.153	.159	-3.8	56806	503	.064	.068	-5.9

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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
56806	504	.064	.070	-8.6	56916	503	.260	.270	-3.7	57146	501	.095	.100	-5.0
56806	505	.054	.059	-8.5	56916	504	.390	.410	-4.9	57146	503	.085	.088	-3.4
56807	501	.034	.037	-8.1	56916	505	.310	.320	-3.1	57146	504	.128	.133	-3.8
56807	503	.064	.067	-4.5	56917	501	.084	.088	-4.5	57146	505	.103	.106	-2.8
56807	504	.063	.069	-8.7	56917	503	.075	.078	-3.8	57202	501	.032	.036	-11.1
56807	505	.054	.058	-6.9	56917	504	.113	.117	-3.4	57202	503	.061	.065	-6.2
56808	501	.044	.048	-8.3	56917	505	.091	.093	-2.2	57202	504	.061	.067	-9.0
56808	503	.083	.088	-5.7	56918	501	.040	.042	-4.8	57202	505	.052	.056	-7.1
56808	504	.083	.091	-8.8	56918	503	.036	.037	-2.7	57257	501	.040	.044	-9.1
56808	505	.070	.076	-7.9	56918	504	.054	.056	-3.6	57257	503	.076	.081	-6.2
56900	501	.042	.046	-8.7	56918	505	.044	.045	-2.2	57257	504	.076	.083	-8.4
56900	503	.080	.084	-4.8	56919	501	.103	.107	-3.7	57257	505	.064	.069	-7.2
56900	504	.080	.087	-8.0	56919	503	.092	.095	-3.2	57401	501	.023	.025	-8.0
56900	505	.067	.073	-8.2	56919	504	.138	.144	-4.2	57401	503	.043	.046	-6.5
56910	501	.021	.023	-8.7	56919	505	.111	.114	-2.6	57401	504	.043	.047	-8.5
56910	503	.040	.042	-4.8	56920	501	.094	.098	-4.1	57401	505	.036	.039	-7.7
56910	504	.040	.044	-9.1	56920	503	.084	.087	-3.4	57403	501	.145	.145	0.0
56910	505	.034	.036	-5.6	56920	504	.126	.131	-3.8	57403	503	.140	.137	2.2
56911	501	.082	.086	-4.7	56920	505	.101	.104	-2.9	57403	504	.161	.159	1.3
56911	503	.073	.076	-3.9	56980	501	.037	.040	-7.5	57403	505	.115	.112	2.7
56911	504	.111	.115	-3.5	56980	503	.069	.073	-5.5	57410	501	.011	.012	-8.3
56911	505	.089	.091	-2.2	56980	504	.069	.075	-8.0	57410	503	.021	.022	-4.5
56912	501	.066	.070	-5.7	56980	505	.058	.063	-7.9	57410	504	.021	.023	-8.7
56912	503	.059	.062	-4.8	57001	501	.013	.014	-7.1	57410	505	.018	.019	-5.3
56912	504	.090	.093	-3.2	57001	503	.024	.025	-4.0	57411	501	.023	.024	-4.2
56912	505	.072	.074	-2.7	57001	504	.024	.026	-7.7	57411	503	.021	.021	0.0
56913	501	.054	.057	-5.3	57001	505	.020	.022	-9.1	57411	504	.031	.032	-3.1
56913	503	.048	.050	-4.0	57002	501	.008	.009	-11.1	57411	505	.025	.025	0.0
56913	504	.073	.076	-3.9	57002	503	.015	.016	-6.3	57572	501	.006	.007	-14.3
56913	505	.059	.060	-1.7	57002	504	.015	.017	-11.8	57572	503	.012	.013	-7.7
56915	501	.320	.340	-5.9	57002	505	.013	.014	-7.1	57572	504	.012	.013	-7.7
56915	503	.290	.300	-3.3	57090	501	.150	.157	-4.5	57572	505	.010	.011	-9.1
56915	504	.430	.450	-4.4	57090	503	.134	.139	-3.6	57600	501	.019	.021	-9.5
56915	505	.350	.360	-2.8	57090	504	.203	.210	-3.3	57600	503	.037	.039	-5.1
56916	501	.290	.300	-3.3	57090	505	.163	.167	-2.4	57600	504	.036	.040	-10.0

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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
57600	505	.031	.033	-6.1	57800	504	.074	.081	-8.6	58009	503	.037	.039	-5.1
57611	501	.049	.052	-5.8	57800	505	.062	.067	-7.5	58009	504	.056	.059	-5.1
57611	503	.044	.046	-4.3	57808	501	.025	.027	-7.4	58009	505	.045	.046	-2.2
57611	504	.066	.069	-4.3	57808	503	.023	.024	-4.2	58010	501	.052	.057	-8.8
57611	505	.053	.055	-3.6	57808	504	.034	.036	-5.6	58010	503	.099	.104	-4.8
57625	501	.170	.186	-8.6	57808	505	.028	.028	0.0	58010	504	.098	.107	-8.4
57625	503	.320	.340	-5.9	57809	501	.026	.028	-7.1	58010	505	.083	.090	-7.8
57625	504	.320	.350	-8.6	57809	503	.023	.024	-4.2	58020	501	.156	.156	0.0
57625	505	.270	.290	-6.9	57809	504	.035	.037	-5.4	58020	503	.150	.148	1.4
57651	501	.021	.023	-8.7	57809	505	.028	.029	-3.4	58020	504	.173	.171	1.2
57651	503	.039	.041	-4.9	57810	501	.025	.027	-7.4	58020	505	.123	.120	2.5
57651	504	.039	.043	-9.3	57810	503	.023	.024	-4.2	58056	501	.062	.068	-8.8
57651	505	.033	.036	-8.3	57810	504	.034	.036	-5.6	58056	503	.118	.124	-4.8
57690	501	.064	.067	-4.5	57810	505	.028	.028	0.0	58056	504	.117	.128	-8.6
57690	503	.057	.059	-3.4	57871	501	.030	.032	-6.3	58056	505	.099	.107	-7.5
57690	504	.086	.090	-4.4	57871	503	.027	.028	-3.6	58057	501	.039	.043	-9.3
57690	505	.069	.071	-2.8	57871	504	.041	.043	-4.7	58057	503	.074	.078	-5.1
57716	501	.030	.032	-6.3	57871	505	.033	.034	-2.9	58057	504	.074	.081	-8.6
57716	503	.027	.028	-3.6	57913	501	.050	.055	-9.1	58057	505	.062	.067	-7.5
57716	504	.041	.043	-4.7	57913	503	.096	.101	-5.0	58058	501	.035	.038	-7.9
57716	505	.033	.034	-2.9	57913	504	.095	.104	-8.7	58058	503	.066	.070	-5.7
57725	501	.066	.070	-5.7	57913	505	.081	.087	-6.9	58058	504	.066	.072	-8.3
57725	503	.059	.062	-4.8	57997	501	.093	.092	1.1	58058	505	.056	.061	-8.2
57725	504	.090	.093	-3.2	57997	503	.100	.098	2.0	58095	501	.049	.054	-9.3
57725	505	.072	.074	-2.7	57997	504	.068	.067	1.5	58095	503	.094	.099	-5.1
57726	501	.052	.054	-3.7	57997	505	.105	.102	2.9	58095	504	.093	.102	-8.8
57726	503	.046	.048	-4.2	57998	501	.022	.025	-12.0	58095	505	.079	.085	-7.1
57726	504	.070	.072	-2.8	57998	503	.042	.045	-6.7	58096	501	.066	.072	-8.3
57726	505	.056	.057	-1.8	57998	504	.042	.046	-8.7	58096	503	.124	.131	-5.3
57798	501	.010	.011	-9.1	57998	505	.036	.039	-7.7	58096	504	.124	.135	-8.1
57798	503	.020	.021	-4.8	57999	501	.042	.044	-4.5	58096	505	.105	.113	-7.1
57798	504	.020	.022	-9.1	57999	503	.037	.039	-5.1	58301	501	.032	.034	-5.9
57798	505	.017	.018	-5.6	57999	504	.056	.059	-5.1	58301	503	.029	.030	-3.3
57800	501	.039	.043	-9.3	57999	505	.045	.046	-2.2	58301	504	.043	.045	-4.4
57800	503	.074	.078	-5.1	58009	501	.042	.044	-4.5	58301	505	.035	.035	0.0

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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	.018	.019	-5.3	58503	505	.044	.047	-6.4	58737	504	.088	.096	-8.3
58302	503	.033	.035	-5.7	58532	501	.035	.039	-10.3	58737	505	.074	.080	-7.5
58302	504	.033	.037	-10.8	58532	503	.067	.071	-5.6	58756	501	.039	.041	-4.9
58302	505	.028	.031	-9.7	58532	504	.067	.073	-8.2	58756	503	.035	.037	-5.4
58397	501	.103	.112	-8.0	58532	505	.056	.061	-8.2	58756	504	.053	.055	-3.6
58397	503	.195	.206	-5.3	58559	501	.007	.008	-12.5	58756	505	.043	.044	-2.3
58397	504	.194	.212	-8.5	58559	503	.014	.014	0.0	58757	501	.156	.171	-8.8
58397	505	.164	.177	-7.3	58559	504	.014	.015	-6.7	58757	503	.300	.310	-3.2
58408	501	.055	.054	1.9	58559	505	.012	.012	0.0	58757	504	.300	.320	-6.3
58408	503	.059	.058	1.7	58560	501	.017	.019	-10.5	58757	505	.250	.270	-7.4
58408	504	.040	.039	2.6	58560	503	.033	.035	-5.7	58759	501	.019	.021	-9.5
58408	505	.062	.060	3.3	58560	504	.033	.036	-8.3	58759	503	.037	.039	-5.1
58409	501	.070	.069	1.4	58560	505	.028	.030	-6.7	58759	504	.036	.040	-10.0
58409	503	.075	.073	2.7	58575	501	.022	.025	-12.0	58759	505	.031	.033	-6.1
58409	504	.051	.050	2.0	58575	503	.042	.045	-6.7	58802	501	.022	.024	-8.3
58409	505	.079	.076	3.9	58575	504	.042	.046	-8.7	58802	503	.042	.044	-4.5
58456	501	.037	.037	0.0	58575	505	.036	.039	-7.7	58802	504	.041	.045	-8.9
58456	503	.040	.039	2.6	58627	501	.072	.079	-8.9	58802	505	.035	.038	-7.9
58456	504	.027	.027	0.0	58627	503	.136	.144	-5.6	58813	501	.097	.101	-4.0
58456	505	.042	.041	2.4	58627	504	.136	.148	-8.1	58813	503	.087	.090	-3.3
58457	501	.054	.053	1.9	58627	505	.115	.124	-7.3	58813	504	.131	.136	-3.7
58457	503	.058	.057	1.8	58663	501	.211	.221	-4.5	58813	505	.105	.107	-1.9
58457	504	.040	.039	2.6	58663	503	.189	.196	-3.6	58822	501	.060	.066	-9.1
58457	505	.061	.059	3.4	58663	504	.280	.300	-6.7	58822	503	.114	.121	-5.8
58458	501	.070	.069	1.4	58663	505	.228	.234	-2.6	58822	504	.114	.125	-8.8
58458	503	.075	.073	2.7	58682	501	.064	.070	-8.6	58822	505	.096	.104	-7.7
58458	504	.051	.050	2.0	58682	503	.121	.128	-5.5	58837	501	.195	.204	-4.4
58458	505	.079	.076	3.9	58682	504	.121	.132	-8.3	58837	503	.174	.180	-3.3
58459	501	.084	.083	1.2	58682	505	.102	.110	-7.3	58837	504	.260	.270	-3.7
58459	503	.090	.088	2.3	58713	501	.045	.045	0.0	58837	505	.211	.216	-2.3
58459	504	.062	.060	3.3	58713	503	.043	.043	0.0	58840	501	.058	.061	-4.9
58459	505	.095	.091	4.4	58713	504	.050	.050	0.0	58840	503	.052	.054	-3.7
58503	501	.027	.030	-10.0	58713	505	.036	.035	2.9	58840	504	.079	.082	-3.7
58503	503	.052	.055	-5.5	58737	501	.046	.051	-9.8	58840	505	.063	.065	-3.1
58503	504	.052	.057	-8.8	58737	503	.088	.093	-5.4	58873	501	.093	.097	-4.1

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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	.083	.086	-3.5	59223	501	.096	.101	-5.0	59647	505	.114	.111	2.7
58873	504	.125	.130	-3.8	59223	503	.086	.089	-3.4	59660	501	.083	.091	-8.8
58873	505	.100	.103	-2.9	59223	504	.129	.134	-3.7	59660	503	.157	.165	-4.8
58903	501	.014	.015	-6.7	59223	505	.104	.106	-1.9	59660	504	.156	.171	-8.8
58903	503	.026	.028	-7.1	59257	501	.007	.008	-12.5	59660	505	.132	.143	-7.7
58903	504	.026	.029	-10.3	59257	503	.013	.014	-7.1	59661	501	.040	.044	-9.1
58903	505	.022	.024	-8.3	59257	504	.013	.015	-13.3	59661	503	.077	.081	-4.9
58904	501	.011	.012	-8.3	59257	505	.011	.012	-8.3	59661	504	.077	.084	-8.3
58904	503	.020	.021	-4.8	59306	501	.044	.049	-10.2	59661	505	.065	.070	-7.1
58904	504	.020	.022	-9.1	59306	503	.084	.089	-5.6	59693	501	.007	.007	0.0
58904	505	.017	.018	-5.6	59306	504	.084	.092	-8.7	59693	503	.013	.014	-7.1
58922	501	.154	.162	-4.9	59306	505	.071	.077	-7.8	59693	504	.013	.014	-7.1
58922	503	.138	.143	-3.5	59378	501	.062	.065	-4.6	59693	505	.011	.012	-8.3
58922	504	.208	.216	-3.7	59378	503	.056	.058	-3.4	59701	501	.004	.004	0.0 L
58922	505	.167	.171	-2.3	59378	504	.084	.087	-3.4	59701	503	.006	.006	0.0
59005	501	.026	.029	-10.3	59378	505	.068	.069	-1.4	59701	504	.006	.007	-14.3
59005	503	.050	.053	-5.7	59481	501	.119	.131	-9.2	59701	505	.005	.006	-16.7
59005	504	.050	.054	-7.4	59481	503	.226	.239	-5.4	59713	501	.074	.081	-8.6
59005	505	.042	.045	-6.7	59481	504	.225	.246	-8.5	59713	503	.140	.148	-5.4
59057	501	.194	.213	-8.9	59481	505	.190	.206	-7.8	59713	504	.140	.153	-8.5
59057	503	.370	.390	-5.1	59482	501	.320	.320	0.0	59713	505	.118	.128	-7.8
59057	504	.370	.400	-7.5	59482	503	.310	.310	0.0	59722	501	.038	.042	-9.5
59057	505	.310	.340	-8.8	59482	504	.360	.350	2.9	59722	503	.073	.077	-5.2
59058	501	.126	.138	-8.7	59482	505	.260	.249	4.4	59722	504	.072	.079	-8.9
59058	503	.238	.250	-4.8	59537	501	.067	.071	-5.6	59722	505	.061	.066	-7.6
59058	504	.237	.260	-8.8	59537	503	.060	.062	-3.2	59723	501	.014	.016	-12.5
59058	505	.201	.217	-7.4	59537	504	.091	.094	-3.2	59723	503	.027	.029	-6.9
59188	501	.310	.310	0.0	59537	505	.073	.075	-2.7	59723	504	.027	.030	-10.0
59188	503	.300	.290	3.4	59601	501	.045	.049	-8.2	59723	505	.023	.025	-8.0
59188	504	.340	.340	0.0	59601	503	.085	.090	-5.6	59724	501	.022	.024	-8.3
59188	505	.245	.239	2.5	59601	504	.085	.093	-8.6	59724	503	.042	.044	-4.5
59189	501	.420	.420	0.0	59601	505	.072	.078	-7.7	59724	504	.042	.046	-8.7
59189	503	.410	.400	2.5	59647	501	.144	.144	0.0	59724	505	.035	.038	-7.9
59189	504	.470	.470	0.0	59647	503	.139	.136	2.2	59725	501	.028	.030	-6.7
59189	505	.340	.330	3.0	59647	504	.160	.158	1.3	59725	503	.052	.055	-5.5

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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	.052	.057	-8.8	59782	503	.058	.060	-3.3	59892	501	.063	.066	-4.5
59725	505	.044	.048	-8.3	59782	504	.087	.091	-4.4	59892	503	.056	.059	-5.1
59726	501	.020	.022	-9.1	59782	505	.070	.072	-2.8	59892	504	.085	.088	-3.4
59726	503	.038	.040	-5.0	59783	501	.063	.066	-4.5	59892	505	.068	.070	-2.9
59726	504	.038	.041	-7.3	59783	503	.056	.059	-5.1	59904	501	.043	.045	-4.4
59726	505	.032	.035	-8.6	59783	504	.085	.088	-3.4	59904	503	.038	.040	-5.0
59738	501	.064	.070	-8.6	59783	505	.068	.070	-2.9	59904	504	.058	.060	-3.3
59738	503	.121	.128	-5.5	59784	501	.048	.051	-5.9	59904	505	.046	.047	-2.1
59738	504	.121	.132	-8.3	59784	503	.043	.045	-4.4	59905	501	.035	.038	-7.9
59738	505	.102	.110	-7.3	59784	504	.065	.068	-4.4	59905	503	.066	.070	-5.7
59750	501	.050	.052	-3.8	59784	505	.052	.054	-3.7	59905	504	.066	.072	-8.3
59750	503	.045	.046	-2.2	59790	501	.049	.054	-9.3	59905	505	.056	.060	-6.7
59750	504	.068	.070	-2.9	59790	503	.094	.099	-5.1	59914	501	.204	.224	-8.9
59750	505	.054	.056	-3.6	59790	504	.093	.102	-8.8	59914	503	.390	.410	-4.9
59751	501	.018	.019	-5.3	59790	505	.079	.085	-7.1	59914	504	.390	.420	-7.1
59751	503	.016	.017	-5.9	59798	501	.165	.173	-4.6	59914	505	.330	.350	-5.7
59751	504	.024	.025	-4.0	59798	503	.147	.153	-3.9	59915	501	.142	.149	-4.7
59751	505	.020	.020	0.0	59798	504	.222	.231	-3.9	59915	503	.127	.132	-3.8
59773	501	.018	.018	0.0	59798	505	.179	.183	-2.2	59915	504	.191	.199	-4.0
59773	503	.018	.017	5.9	59806	501	.118	.124	-4.8	59915	505	.154	.157	-1.9
59773	504	.020	.020	0.0	59806	503	.106	.110	-3.6	59917	501	.026	.028	-7.1
59773	505	.014	.014	0.0	59806	504	.159	.165	-3.6	59917	503	.023	.024	-4.2
59774	501	.015	.015	0.0	59806	505	.128	.131	-2.3	59917	504	.035	.037	-5.4
59774	503	.014	.014	0.0	59867	501	.055	.061	-9.8	59917	505	.028	.029	-3.4
59774	504	.017	.017	0.0	59867	503	.105	.111	-5.4	59923	501	.005	.005	0.0
59774	505	.012	.012	0.0	59867	504	.105	.115	-8.7	59923	503	.009	.010	-10.0
59775	501	.019	.019	0.0	59867	505	.089	.096	-7.3	59923	504	.009	.010	-10.0
59775	503	.019	.018	5.6	59886	501	.008	.008	0.0	59923	505	.008	.009	-11.1
59775	504	.021	.021	0.0	59886	503	.014	.015	-6.7	59925	501	.330	.310	6.5
59775	505	.015	.015	0.0	59886	504	.014	.016	-12.5	59925	503	.380	.360	5.6
59781	501	.044	.046	-4.3	59886	505	.012	.013	-7.7	59925	504	.350	.330	6.1
59781	503	.039	.040	-2.5	59889	501	.060	.060	0.0	59925	505	.270	.250	8.0
59781	504	.059	.061	-3.3	59889	503	.058	.057	1.8	59926	501	.280	.270	3.7
59781	505	.047	.048	-2.1	59889	504	.067	.066	1.5	59926	503	.320	.300	6.7
59782	501	.065	.068	-4.4	59889	505	.048	.047	2.1	59926	504	.300	.280	7.1

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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
59926	505	.230	.213	8.0	59970	504	.077	.080	-3.7	60010	503	11.600	10.800	7.4
59927	501	.188	.179	5.0	59970	505	.062	.064	-3.1	60010	504	9.190	8.680	5.9
59927	503	.218	.204	6.9	59973	501	.057	.062	-8.1	60010	505	9.090	8.500	6.9
59927	504	.199	.187	6.4	59973	503	.107	.113	-5.3	60011	501	18.200	16.300	11.7
59927	505	.155	.143	8.4	59973	504	.107	.117	-8.5	60011	503	13.400	12.400	8.1
59931	501	.092	.101	-8.9	59973	505	.090	.098	-8.2	60011	504	10.600	9.980	6.2
59931	503	.174	.184	-5.4	59975	501	.080	.084	-4.8	60011	505	10.500	9.770	7.5
59931	504	.173	.190	-8.9	59975	503	.072	.075	-4.0	60012	501	29.900	26.800	11.6
59931	505	.147	.159	-7.5	59975	504	.108	.113	-4.4	60012	503	22.000	20.400	7.8
59932	501	.099	.108	-8.3	59975	505	.087	.089	-2.2	60012	504	17.400	16.400	6.1
59932	503	.187	.198	-5.6	59977	501	.046	.048	-4.2	60012	505	17.200	16.100	6.8
59932	504	.187	.204	-8.3	59977	503	.041	.043	-4.7	60013	501	25.600	23.000	11.3
59932	505	.158	.171	-7.6	59977	504	.062	.064	-3.1	60013	503	18.900	17.400	8.6
59941	501	.031	.034	-8.8	59977	505	.050	.051	-2.0	60013	504	14.900	14.100	5.7
59941	503	.058	.062	-6.5	59984	501	.015	.017	-11.8	60013	505	14.700	13.800	6.5
59941	504	.058	.064	-9.4	59984	503	.029	.031	-6.5	60015	501	19.100	17.200	11.0
59941	505	.049	.053	-7.5	59984	504	.029	.032	-9.4	60015	503	14.100	13.000	8.5
59947	501	.043	.045	-4.4	59984	505	.025	.027	-7.4	60015	504	11.100	10.500	5.7
59947	503	.038	.040	-5.0	59985	501	.061	.066	-7.6	60015	505	11.000	10.300	6.8
59947	504	.058	.060	-3.3	59985	503	.115	.121	-5.0	60016	501	21.500	19.300	11.4
59947	505	.046	.047	-2.1	59985	504	.114	.125	-8.8	60016	503	15.800	14.600	8.2
59955	501	.012	.013	-7.7	59985	505	.097	.105	-7.6	60016	504	12.500	11.800	5.9
59955	503	.022	.024	-8.3	59986	501	.046	.051	-9.8	60016	505	12.400	11.600	6.9
59955	504	.022	.024	-8.3	59986	503	.088	.093	-5.4	60035	501	27.700	26.700	3.7
59955	505	.019	.020	-5.0	59986	504	.087	.096	-9.4	60035	503	25.200	25.100	0.4
59963	501	.088	.096	-8.3	59986	505	.074	.080	-7.5	60035	504	16.300	16.500	-1.2
59963	503	.166	.176	-5.7	59988	501	.021	.021	0.0	60035	505	19.100	19.100	0.0
59963	504	.166	.181	-8.3	59988	503	.018	.019	-5.3	61000	501	15.700	14.000	12.1
59963	505	.140	.151	-7.3	59988	504	.028	.029	-3.4	61000	503	11.500	10.700	7.5
59964	501	.205	.225	-8.9	59988	505	.022	.023	-4.3	61000	504	9.100	8.590	5.9
59964	503	.390	.410	-4.9	59989	501	.008	.009	-11.1	61000	505	9.000	8.410	7.0
59964	504	.390	.420	-7.1	59989	503	.015	.016	-6.3	61212	501	14.900	14.300	4.2
59964	505	.330	.350	-5.7	59989	504	.015	.017	-11.8	61212	503	13.500	13.500	0.0
59970	501	.057	.060	-5.0	59989	505	.013	.014	-7.1	61212	504	8.770	8.880	-1.2
59970	503	.051	.053	-3.8	60010	501	15.800	14.200	11.3	61212	505	10.300	10.300	0.0

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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
61216	501	16.500	15.900	3.8	62000	505	7.790	7.820	-0.4	63216	504	16.500	16.700	-1.2
61216	503	15.000	15.000	0.0	62001	501	8.480	8.170	3.8	63216	505	19.300	19.300	0.0
61216	504	9.730	9.860	-1.3	62001	503	7.720	7.680	0.5	63217	501	28.000	24.200	15.7
61216	505	11.400	11.400	0.0	62001	504	5.000	5.060	-1.2	63217	503	27.600	24.600	12.2
61217	501	15.000	14.500	3.4	62001	505	5.850	5.870	-0.3	63217	504	27.200	24.700	10.1
61217	503	13.700	13.600	0.7	62002	501	3.870	3.730	3.8	63217	505	29.700	26.800	10.8
61217	504	8.850	8.970	-1.3	62002	503	3.520	3.500	0.6	63218	501	9.440	8.140	16.0
61217	505	10.400	10.400	0.0	62002	504	2.280	2.310	-1.3	63218	503	9.300	8.290	12.2
61218	501	10.300	9.890	4.1	62002	505	2.670	2.680	-0.4	63218	504	9.160	8.310	10.2
61218	503	9.350	9.300	0.5	62003	501	12.200	11.800	3.4	63218	505	10.000	9.010	11.0
61218	504	6.050	6.130	-1.3	62003	503	11.100	11.000	0.9	64074	501	23.800	22.800	4.4
61218	505	7.080	7.100	-0.3	62003	504	7.190	7.280	-1.2	64074	503	12.900	12.700	1.6
61223	501	69.300	66.800	3.7	62003	505	8.410	8.440	-0.4	64074	504	10.700	10.700	0.0
61223	503	63.100	62.800	0.5	63010	501	28.500	25.500	11.8	64074	505	9.120	9.090	0.3
61223	504	40.800	41.400	-1.4	63010	503	20.900	19.400	7.7	64075	501	16.800	16.000	5.0
61223	505	47.800	48.000	-0.4	63010	504	16.500	15.600	5.8	64075	503	9.090	8.970	1.3
61224	501	24.600	23.700	3.8	63010	505	16.400	15.300	7.2	64075	504	7.510	7.530	-0.3
61224	503	22.400	22.200	0.9	63011	501	35.600	31.900	11.6	64075	505	6.420	6.400	0.3
61224	504	14.500	14.700	-1.4	63011	503	26.200	24.200	8.3	65007	501	24.600	23.700	3.8
61224	505	16.900	17.000	-0.6	63011	504	20.700	19.500	6.2	65007	503	22.400	22.200	0.9
61225	501	34.100	32.800	4.0	63011	505	20.400	19.100	6.8	65007	504	14.500	14.700	-1.4
61225	503	31.000	30.900	0.3	63012	501	50.600	45.400	11.5	65007	505	16.900	17.000	-0.6
61225	504	20.100	20.300	-1.0	63012	503	37.200	34.500	7.8	66122	501	10.600	10.200	3.9
61225	505	23.500	23.600	-0.4	63012	504	29.400	27.800	5.8	66122	503	9.620	9.570	0.5
61226	501	54.300	52.300	3.8	63012	505	29.100	27.200	7.0	66122	504	6.220	6.310	-1.4
61226	503	49.400	49.200	0.4	63013	501	47.900	43.000	11.4	66122	505	7.280	7.310	-0.4
61226	504	32.000	32.400	-1.2	63013	503	35.300	32.600	8.3	66123	501	5.800	5.590	3.8
61226	505	37.400	37.600	-0.5	63013	504	27.800	26.300	5.7	66123	503	5.280	5.260	0.4
61227	501	49.700	47.900	3.8	63013	505	27.500	25.800	6.6	66123	504	3.420	3.460	-1.2
61227	503	45.200	45.000	0.4	63215	501	40.300	38.900	3.6	66123	505	4.000	4.010	-0.2
61227	504	29.300	29.700	-1.3	63215	503	36.700	36.500	0.5	66309	501	17.000	16.300	4.3
61227	505	34.300	34.400	-0.3	63215	504	23.800	24.100	-1.2	66309	503	15.400	15.400	0.0
62000	501	11.300	10.900	3.7	63215	505	27.800	27.900	-0.4	66309	504	9.990	10.100	-1.1
62000	503	10.300	10.200	1.0	63216	501	28.000	27.000	3.7	66309	505	11.700	11.700	0.0
62000	504	6.660	6.750	-1.3	63216	503	25.500	25.300	0.8	66561	501	39.300	37.800	4.0

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

```
STATE: 41 - TENNESSEE
SUBLINE: PREM/OPS
                                 LOSS COST % CHANGE BY CLASS


            PROPOSED  PRESENT    %              PROPOSED  PRESENT    %              PROPOSED  PRESENT    %
CLASS TERR  OCCURR    OCCURR    CHG  CLASS TERR  OCCURR    OCCURR    CHG  CLASS TERR  OCCURR    OCCURR    CHG
---------------------------------------------------------------------------------------------------------------
66561 503    35.800    35.600   0.6  67635 501    22.300    21.500   3.7  68703 505     2.150     2.160  -0.5
66561 504    23.100    23.500  -1.7  67635 503    20.300    20.200   0.5  68706 501    13.400    12.900   3.9
66561 505    27.100    27.200  -0.4  67635 504    13.100    13.300  -1.5  68706 503    12.200    12.100   0.8
67017 501    36.500    35.100   4.0  67635 505    15.400    15.400   0.0  68706 504     7.890     7.990  -1.3
67017 503    33.200    33.000   0.6  68001 501    68.200    65.700   3.8  68706 505     9.230     9.260  -0.3

67017 504    21.500    21.800  -1.4  68001 503    62.000    61.700   0.5  68707 501    13.200    12.800   3.1
67017 505    25.100    25.200  -0.4  68001 504    40.100    40.700  -1.5  68707 503    12.100    12.000   0.8
67508 501    28.700    26.700   7.5  68001 505    47.000    47.100  -0.2  68707 504     7.800     7.910  -1.4
67508 503    37.100    35.600   4.2  68439 501    87.600    84.400   3.8  68707 505     9.130     9.160  -0.3
67508 504    17.100    16.700   2.4  68439 503    79.800    79.400   0.5  90089 501     4.680     4.750  -1.5

67508 505    15.000    14.500   3.4  68439 504    51.600    52.300  -1.3  90089 503     4.680     4.750  -1.5
67509 501    21.100    19.600   7.7  68439 505    60.400    60.600  -0.3  90089 504     4.680     4.750  -1.5
67509 503    27.200    26.100   4.2  68500 501     3.480     3.120  11.5  90089 505     4.680     4.750  -1.5
67509 504    12.500    12.200   2.5  68500 503     2.560     2.370   8.0  91111 501     3.920     3.940  -0.5
67509 505    11.000    10.700   2.8  68500 504     2.020     1.910   5.8  91111 503     3.920     3.940  -0.5

67510 501    11.700    10.900   7.3  68500 505     2.000     1.870   7.0  91111 504     3.920     3.940  -0.5
67510 503    15.200    14.500   4.8  68604 501     1.640     1.580   3.8  91111 505     3.920     3.940  -0.5
67510 504     6.960     6.800   2.4  68604 503     1.490     1.480   0.7  91125 501     2.820     2.860  -1.4
67510 505     6.130     5.930   3.4  68604 504      .960      .980  -2.0  91125 503     2.820     2.860  -1.4
67511 501    12.700    11.800   7.6  68604 505     1.130     1.130   0.0  91125 504     2.820     2.860  -1.4

67511 503    16.400    15.700   4.5  68606 501     6.400     6.160   3.9  91125 505     2.820     2.860  -1.4
67511 504     7.530     7.350   2.4  68606 503     5.830     5.790   0.7  91127 501     2.640     2.650  -0.4
67511 505     6.630     6.420   3.3  68606 504     3.770     3.820  -1.3  91127 503     2.640     2.650  -0.4
67512 501    54.300    50.500   7.5  68606 505     4.410     4.430  -0.5  91127 504     2.640     2.650  -0.4
67512 503    70.200    67.300   4.3  68607 501     5.060     4.870   3.9  91127 505     2.640     2.650  -0.4

67512 504    32.300    31.500   2.5  68607 503     4.610     4.580   0.7  91130 501     1.230     1.170   5.1
67512 505    28.400    27.500   3.3  68607 504     2.980     3.020  -1.3  91130 503     1.230     1.170   5.1
67513 501    34.400    32.000   7.5  68607 505     3.490     3.500  -0.3  91130 504     1.230     1.170   5.1
67513 503    44.600    42.700   4.4  68702 501     4.170     4.010   4.0  91130 505     1.230     1.170   5.1
67513 504    20.500    20.000   2.5  68702 503     3.790     3.770   0.5  91135 501      .340      .330   3.0

67513 505    18.000    17.400   3.4  68702 504     2.450     2.490  -1.6  91135 503      .340      .330   3.0
67634 501    31.500    30.400   3.6  68702 505     2.870     2.880  -0.3  91135 504      .340      .330   3.0
67634 503    28.700    28.600   0.3  68703 501     3.120     3.010   3.7  91135 505      .340      .330   3.0
67634 504    18.600    18.800  -1.1  68703 503     2.840     2.830   0.4  91150 501     2.490     2.510  -0.8
67634 505    21.700    21.800  -0.5  68703 504     1.840     1.870  -1.6  91150 503     2.490     2.510  -0.8
```

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

```
STATE: 41 - TENNESSEE
SUBLINE: PREM/OPS
                                   LOSS COST % CHANGE BY CLASS


            PROPOSED  PRESENT    %                  PROPOSED  PRESENT    %                  PROPOSED  PRESENT    %
CLASS TERR  OCCURR    OCCURR     CHG   CLASS TERR    OCCURR    OCCURR     CHG   CLASS TERR   OCCURR    OCCURR     CHG
------------------------------------  ------------------------------------    ------------------------------------
91150 504   2.490     2.510    -0.8   91250 503     4.580     4.610    -0.7    91343 501    1.080     1.090    -0.9
91150 505   2.490     2.510    -0.8   91250 504     4.580     4.610    -0.7    91343 503    1.080     1.090    -0.9
91155 501   5.540     5.570    -0.5   91250 505     4.580     4.610    -0.7    91343 504    1.080     1.090    -0.9
91155 503   5.540     5.570    -0.5   91265 501    15.000    14.300     4.9    91343 505    1.080     1.090    -0.9
91155 504   5.540     5.570    -0.5   91265 503    15.000    14.300     4.9    91405 501    7.700     7.060     9.1

91155 505   5.540     5.570    -0.5   91265 504    15.000    14.300     4.9    91405 503    7.700     7.060     9.1
91160 501   1.130     1.150    -1.7   91265 505    15.000    14.300     4.9    91405 504    7.700     7.060     9.1
91160 503   1.130     1.150    -1.7   91266 501     7.950     7.590     4.7    91405 505    7.700     7.060     9.1
91160 504   1.130     1.150    -1.7   91266 503     7.950     7.590     4.7    91436 501    5.540     5.610    -1.2
91160 505   1.130     1.150    -1.7   91266 504     7.950     7.590     4.7    91436 503    5.540     5.610    -1.2

91175 501    .970      .990    -2.0   91266 505     7.950     7.590     4.7    91436 504    5.540     5.610    -1.2
91175 503    .970      .990    -2.0   91302 501    15.000    13.700     9.5    91436 505    5.540     5.610    -1.2
91175 504    .970      .990    -2.0   91302 503    15.000    13.700     9.5    91481 501   20.200    20.500    -1.5
91175 505    .970      .990    -2.0   91302 504    15.000    13.700     9.5    91481 503   20.200    20.500    -1.5
91177 501   4.270     4.320    -1.2   91302 505    15.000    13.700     9.5    91481 504   20.200    20.500    -1.5

91177 503   4.270     4.320    -1.2   91315 501     4.550     4.170     9.1    91481 505   20.200    20.500    -1.5
91177 504   4.270     4.320    -1.2   91315 503     4.550     4.170     9.1    91507 501    2.980     3.020    -1.3
91177 505   4.270     4.320    -1.2   91315 504     4.550     4.170     9.1    91507 503    2.980     3.020    -1.3
91179 501   4.280     4.340    -1.4   91315 505     4.550     4.170     9.1    91507 504    2.980     3.020    -1.3
91179 503   4.280     4.340    -1.4   91324 501    10.100     9.290     8.7    91507 505    2.980     3.020    -1.3

91179 504   4.280     4.340    -1.4   91324 503    10.100     9.290     8.7    91523 501   45.900    46.500    -1.3
91179 505   4.280     4.340    -1.4   91324 504    10.100     9.290     8.7    91523 503   45.900    46.500    -1.3
91190 501   2.300     2.330    -1.3   91324 505    10.100     9.290     8.7    91523 504   45.900    46.500    -1.3
91190 503   2.300     2.330    -1.3   91340 501     6.610     6.060     9.1    91523 505   45.900    46.500    -1.3
91190 504   2.300     2.330    -1.3   91340 503     6.610     6.060     9.1    91547 501     .260      .260     0.0

91190 505   2.300     2.330    -1.3   91340 504     6.610     6.060     9.1    91547 503     .260      .260     0.0
91200 501    .700      .670     4.5   91340 505     6.610     6.060     9.1    91547 504     .260      .260     0.0
91200 503    .700      .670     4.5   91341 501     4.890     4.960    -1.4    91547 505     .260      .260     0.0
91200 504    .700      .670     4.5   91341 503     4.890     4.960    -1.4    91551 501    1.620     1.640    -1.2
91200 505    .700      .670     4.5   91341 504     4.890     4.960    -1.4    91551 503    1.620     1.640    -1.2

91235 501   3.040     3.060    -0.7   91341 505     4.890     4.960    -1.4    91551 504    1.620     1.640    -1.2
91235 503   3.040     3.060    -0.7   91342 501     6.060     5.560     9.0    91551 505    1.620     1.640    -1.2
91235 504   3.040     3.060    -0.7   91342 503     6.060     5.560     9.0    91555 501    1.830     1.840    -0.5
91235 505   3.040     3.060    -0.7   91342 504     6.060     5.560     9.0    91555 503    1.830     1.840    -0.5
91250 501   4.580     4.610    -0.7   91342 505     6.060     5.560     9.0    91555 504    1.830     1.840    -0.5
```

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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
91555	505	1.830	1.840	-0.5	91641	504	1.140	1.090	4.6	92102	503	5.030	5.100	-1.4
91560	501	4.390	4.190	4.8	91641	505	1.140	1.090	4.6	92102	504	5.030	5.100	-1.4
91560	503	4.390	4.190	4.8	91666	501	1.010	1.020	-1.0	92102	505	5.030	5.100	-1.4
91560	504	4.390	4.190	4.8	91666	503	1.010	1.020	-1.0	92215	501	4.360	4.390	-0.7
91560	505	4.390	4.190	4.8	91666	504	1.010	1.020	-1.0	92215	503	4.360	4.390	-0.7
91562	501	3.600	3.650	-1.4	91666	505	1.010	1.020	-1.0	92215	504	4.360	4.390	-0.7
91562	503	3.600	3.650	-1.4	91722	501	3.690	3.520	4.8	92215	505	4.360	4.390	-0.7
91562	504	3.600	3.650	-1.4	91722	503	3.690	3.520	4.8	92338	501	1.930	1.960	-1.5
91562	505	3.600	3.650	-1.4	91722	504	3.690	3.520	4.8	92338	503	1.930	1.960	-1.5
91577	501	12.900	13.100	-1.5	91722	505	3.690	3.520	4.8	92338	504	1.930	1.960	-1.5
91577	503	12.900	13.100	-1.5	91746	501	3.600	3.650	-1.4	92338	505	1.930	1.960	-1.5
91577	504	12.900	13.100	-1.5	91746	503	3.600	3.650	-1.4	92445	501	2.410	2.310	4.3
91577	505	12.900	13.100	-1.5	91746	504	3.600	3.650	-1.4	92445	503	2.410	2.310	4.3
91580	501	5.790	5.530	4.7	91746	505	3.600	3.650	-1.4	92445	504	2.410	2.310	4.3
91580	503	5.790	5.530	4.7	91805	501	.226	.229	-1.3	92445	505	2.410	2.310	4.3
91580	504	5.790	5.530	4.7	91805	503	.226	.229	-1.3	92446	501	6.350	6.440	-1.4
91580	505	5.790	5.530	4.7	91805	504	.226	.229	-1.3	92446	503	6.350	6.440	-1.4
91590	501	3.740	3.790	-1.3	91805	505	.226	.229	-1.3	92446	504	6.350	6.440	-1.4
91590	503	3.740	3.790	-1.3	92053	501	.560	.560	0.0	92446	505	6.350	6.440	-1.4
91590	504	3.740	3.790	-1.3	92053	503	.560	.560	0.0	92447	501	5.550	5.630	-1.4
91590	505	3.740	3.790	-1.3	92053	504	.560	.560	0.0	92447	503	5.550	5.630	-1.4
91606	501	12.000	11.500	4.3	92053	505	.560	.560	0.0	92447	504	5.550	5.630	-1.4
91606	503	12.000	11.500	4.3	92054	501	.192	.194	-1.0	92447	505	5.550	5.630	-1.4
91606	504	12.000	11.500	4.3	92054	503	.192	.194	-1.0	92451	501	3.040	3.060	-0.7
91606	505	12.000	11.500	4.3	92054	504	.192	.194	-1.0	92451	503	3.040	3.060	-0.7
91629	501	2.460	2.350	4.7	92054	505	.192	.194	-1.0	92451	504	3.040	3.060	-0.7
91629	503	2.460	2.350	4.7	92055	501	5.340	5.420	-1.5	92451	505	3.040	3.060	-0.7
91629	504	2.460	2.350	4.7	92055	503	5.340	5.420	-1.5	92453	501	3.520	3.570	-1.4
91629	505	2.460	2.350	4.7	92055	504	5.340	5.420	-1.5	92453	503	3.520	3.570	-1.4
91636	501	4.210	4.020	4.7	92055	505	5.340	5.420	-1.5	92453	504	3.520	3.570	-1.4
91636	503	4.210	4.020	4.7	92101	501	8.360	8.470	-1.3	92453	505	3.520	3.570	-1.4
91636	504	4.210	4.020	4.7	92101	503	8.360	8.470	-1.3	92478	501	1.740	1.760	-1.1
91636	505	4.210	4.020	4.7	92101	504	8.360	8.470	-1.3	92478	503	1.740	1.760	-1.1
91641	501	1.140	1.090	4.6	92101	505	8.360	8.470	-1.3	92478	504	1.740	1.760	-1.1
91641	503	1.140	1.090	4.6	92102	501	5.030	5.100	-1.4	92478	505	1.740	1.760	-1.1

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

```
STATE: 41 - TENNESSEE
SUBLINE: PREM/OPS
                                      LOSS COST % CHANGE BY CLASS


            PROPOSED  PRESENT    %                 PROPOSED  PRESENT    %                 PROPOSED  PRESENT    %
CLASS TERR  OCCURR    OCCURR    CHG     CLASS TERR  OCCURR    OCCURR    CHG     CLASS TERR  OCCURR    OCCURR    CHG
------------------------------------------------------------------------------------------------------------------
92593 501    40.000   40.200   -0.5    94404 505     4.720    4.780   -1.3    95357 504     1.230    1.170    5.1
92593 503    40.000   40.200   -0.5    94569 501     3.190    3.230   -1.2    95357 505     1.230    1.170    5.1
92593 504    40.000   40.200   -0.5    94569 503     3.190    3.230   -1.2    95410 501     4.810    4.870   -1.2
92593 505    40.000   40.200   -0.5    94569 504     3.190    3.230   -1.2    95410 503     4.810    4.870   -1.2
92663 501      .570     .540    5.6    94569 505     3.190    3.230   -1.2    95410 504     4.810    4.870   -1.2

92663 503      .570     .540    5.6    94590 501    13.700   13.900   -1.4    95410 505     4.810    4.870   -1.2
92663 504      .570     .540    5.6    94590 503    13.700   13.900   -1.4    95455 501     5.090    4.860    4.7
92663 505      .570     .540    5.6    94590 504    13.700   13.900   -1.4    95455 503     5.090    4.860    4.7
94007 501    11.900   12.100   -1.7    94590 505    13.700   13.900   -1.4    95455 504     5.090    4.860    4.7
94007 503    11.900   12.100   -1.7    94617 501     4.340    4.390   -1.1    95455 505     5.090    4.860    4.7

94007 504    11.900   12.100   -1.7    94617 503     4.340    4.390   -1.1    95487 501     2.580    2.610   -1.1
94007 505    11.900   12.100   -1.7    94617 504     4.340    4.390   -1.1    95487 503     2.580    2.610   -1.1
94099 501     2.720    2.750   -1.1    94617 505     4.340    4.390   -1.1    95487 504     2.580    2.610   -1.1
94099 503     2.720    2.750   -1.1    95124 501     1.600    1.620   -1.2    95487 505     2.580    2.610   -1.1
94099 504     2.720    2.750   -1.1    95124 503     1.600    1.620   -1.2    95505 501     2.370    2.260    4.9

94099 505     2.720    2.750   -1.1    95124 504     1.600    1.620   -1.2    95505 503     2.370    2.260    4.9
94225 501     9.560    9.690   -1.3    95124 505     1.600    1.620   -1.2    95505 504     2.370    2.260    4.9
94225 503     9.560    9.690   -1.3    95233 501     3.430    3.480   -1.4    95505 505     2.370    2.260    4.9
94225 504     9.560    9.690   -1.3    95233 503     3.430    3.480   -1.4    95620 501     2.090    2.120   -1.4
94225 505     9.560    9.690   -1.3    95233 504     3.430    3.480   -1.4    95620 503     2.090    2.120   -1.4

94276 501     4.980    5.050   -1.4    95233 505     3.430    3.480   -1.4    95620 504     2.090    2.120   -1.4
94276 503     4.980    5.050   -1.4    95305 501     3.730    3.780   -1.3    95620 505     2.090    2.120   -1.4
94276 504     4.980    5.050   -1.4    95305 503     3.730    3.780   -1.3    95625 501     7.150    6.560    9.0
94276 505     4.980    5.050   -1.4    95305 504     3.730    3.780   -1.3    95625 503     7.150    6.560    9.0
94304 501     3.890    3.910   -0.5    95305 505     3.730    3.780   -1.3    95625 504     7.150    6.560    9.0

94304 503     3.890    3.910   -0.5    95306 501     4.830    4.610    4.8    95625 505     7.150    6.560    9.0
94304 504     3.890    3.910   -0.5    95306 503     4.830    4.610    4.8    95647 501     3.670    3.690   -0.5
94304 505     3.890    3.910   -0.5    95306 504     4.830    4.610    4.8    95647 504     3.670    3.690   -0.5
94381 501     7.290    7.330   -0.5    95306 505     4.830    4.610    4.8    95647 505     3.670    3.690   -0.5
94381 503     7.290    7.330   -0.5    95310 501     8.900    9.020   -1.3

94381 504     7.290    7.330   -0.5    95310 503     8.900    9.020   -1.3    96053 501     2.790    2.800   -0.4
94381 505     7.290    7.330   -0.5    95310 504     8.900    9.020   -1.3    96053 503     2.790    2.800   -0.4
94404 501     4.720    4.780   -1.3    95310 505     8.900    9.020   -1.3    96053 504     2.790    2.800   -0.4
94404 503     4.720    4.780   -1.3    95357 501     1.230    1.170    5.1    96053 505     2.790    2.800   -0.4
94404 504     4.720    4.780   -1.3    95357 503     1.230    1.170    5.1    96317 501     1.270    1.220    4.1
```

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

STATE: 41 - TENNESSEE
SUBLINE: PREM/OPS

LOSS COST % CHANGE BY CLASS

| | PROPOSED | PRESENT | % | | PROPOSED | PRESENT | % | | PROPOSED | PRESENT | % |
CLASS TERR	OCCURR	OCCURR	CHG	CLASS TERR	OCCURR	OCCURR	CHG	CLASS TERR	OCCURR	OCCURR	CHG
96317 503	1.270	1.220	4.1	97050 501	3.580	3.280	9.1	97651 505	5.970	5.700	4.7
96317 504	1.270	1.220	4.1	97050 503	3.580	3.280	9.1	97652 501	5.180	4.950	4.6
96317 505	1.270	1.220	4.1	97050 504	3.580	3.280	9.1	97652 503	5.180	4.950	4.6
96408 501	4.160	4.220	-1.4	97050 505	3.580	3.280	9.1	97652 504	5.180	4.950	4.6
96408 503	4.160	4.220	-1.4	97111 501	5.750	5.820	-1.2	97652 505	5.180	4.950	4.6
96408 504	4.160	4.220	-1.4	97111 503	5.750	5.820	-1.2	97653 501	3.390	3.440	-1.5
96408 505	4.160	4.220	-1.4	97111 504	5.750	5.820	-1.2	97653 503	3.390	3.440	-1.5
96409 501	3.850	3.900	-1.3	97111 505	5.750	5.820	-1.2	97653 504	3.390	3.440	-1.5
96409 503	3.850	3.900	-1.3	97220 501	.330	.310	6.5	97653 505	3.390	3.440	-1.5
96409 504	3.850	3.900	-1.3	97220 503	.330	.310	6.5	97654 501	5.920	6.000	-1.3
96409 505	3.850	3.900	-1.3	97220 504	.330	.310	6.5	97654 503	5.920	6.000	-1.3
96410 501	3.380	3.420	-1.2	97220 505	.330	.310	6.5	97654 504	5.920	6.000	-1.3
96410 503	3.380	3.420	-1.2	97222 501	2.020	2.030	-0.5	97654 505	5.920	6.000	-1.3
96410 504	3.380	3.420	-1.2	97222 503	2.020	2.030	-0.5	97655 501	4.610	4.400	4.8
96410 505	3.380	3.420	-1.2	97222 504	2.020	2.030	-0.5	97655 503	4.610	4.400	4.8
96611 501	1.520	1.390	9.4	97222 505	2.020	2.030	-0.5	97655 504	4.610	4.400	4.8
96611 503	1.520	1.390	9.4	97223 501	3.040	3.060	-0.7	97655 505	4.610	4.400	4.8
96611 504	1.520	1.390	9.4	97223 503	3.040	3.060	-0.7	98002 501	.830	.800	3.7
96611 505	1.520	1.390	9.4	97223 504	3.040	3.060	-0.7	98002 503	.830	.800	3.7
96702 501	4.790	4.850	-1.2	97223 505	3.040	3.060	-0.7	98002 504	.830	.800	3.7
96702 503	4.790	4.850	-1.2	97308 501	.610	.590	3.4	98002 505	.830	.800	3.7
96702 504	4.790	4.850	-1.2	97308 503	.610	.590	3.4	98003 501	1.060	1.080	-1.9
96702 505	4.790	4.850	-1.2	97308 504	.610	.590	3.4	98003 503	1.060	1.080	-1.9
96816 501	4.490	4.550	-1.3	97308 505	.610	.590	3.4	98003 504	1.060	1.080	-1.9
96816 503	4.490	4.550	-1.3	97447 501	2.020	1.930	4.7	98003 505	1.060	1.080	-1.9
96816 504	4.490	4.550	-1.3	97447 503	2.020	1.930	4.7	98090 501	.143	.145	-1.4
96816 505	4.490	4.550	-1.3	97447 504	2.020	1.930	4.7	98090 503	.143	.145	-1.4
96872 501	4.520	4.320	4.6	97447 505	2.020	1.930	4.7	98090 504	.143	.145	-1.4
96872 503	4.520	4.320	4.6	97650 501	3.970	4.020	-1.2	98090 505	.143	.145	-1.4
96872 504	4.520	4.320	4.6	97650 503	3.970	4.020	-1.2	98091 501	.155	.157	-1.3
96872 505	4.520	4.320	4.6	97650 504	3.970	4.020	-1.2	98091 503	.155	.157	-1.3
97047 501	4.610	4.230	9.0	97650 505	3.970	4.020	-1.2	98091 504	.155	.157	-1.3
97047 503	4.610	4.230	9.0	97651 501	5.970	5.700	4.7	98091 505	.155	.157	-1.3
97047 504	4.610	4.230	9.0	97651 503	5.970	5.700	4.7	98092 501	.470	.480	-2.1
97047 505	4.610	4.230	9.0	97651 504	5.970	5.700	4.7	98092 503	.470	.480	-2.1

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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
98092	504	.470	.480	-2.1	98161	503	5.310	5.070	4.7	98308	501	1.240	1.250	-0.8
98092	505	.470	.480	-2.1	98161	504	5.310	5.070	4.7	98308	503	1.240	1.250	-0.8
98111	501	.770	.770	0.0	98161	505	5.310	5.070	4.7	98308	504	1.240	1.250	-0.8
98111	503	.770	.770	0.0	98163	501	5.570	5.320	4.7	98308	505	1.240	1.250	-0.8
98111	504	.770	.770	0.0	98163	503	5.570	5.320	4.7	98309	501	5.270	5.030	4.8
98111	505	.770	.770	0.0	98163	504	5.570	5.320	4.7	98309	503	5.270	5.030	4.8
98152	501	2.810	2.680	4.9	98163	505	5.570	5.320	4.7	98309	504	5.270	5.030	4.8
98152	503	2.810	2.680	4.9	98164	501	2.570	2.580	-0.4	98309	505	5.270	5.030	4.8
98152	504	2.810	2.680	4.9	98164	503	2.570	2.580	-0.4	98344	501	1.030	.950	8.4
98152	505	2.810	2.680	4.9	98164	504	2.570	2.580	-0.4	98344	503	1.030	.950	8.4
98153	501	3.160	3.020	4.6	98164	505	2.570	2.580	-0.4	98344	504	1.030	.950	8.4
98153	503	3.160	3.020	4.6	98257	501	1.600	1.620	-1.2	98344	505	1.030	.950	8.4
98153	504	3.160	3.020	4.6	98257	503	1.600	1.620	-1.2	98405	501	1.700	1.560	9.0
98153	505	3.160	3.020	4.6	98257	504	1.600	1.620	-1.2	98405	503	1.700	1.560	9.0
98154	501	3.730	3.560	4.8	98257	505	1.600	1.620	-1.2	98405	504	1.700	1.560	9.0
98154	503	3.730	3.560	4.8	98303	501	10.500	10.000	5.0	98405	505	1.700	1.560	9.0
98154	504	3.730	3.560	4.8	98303	503	10.500	10.000	5.0	98413	501	15.600	15.800	-1.3
98154	505	3.730	3.560	4.8	98303	504	10.500	10.000	5.0	98413	503	15.600	15.800	-1.3
98155	501	5.220	4.990	4.6	98303	505	10.500	10.000	5.0	98413	504	15.600	15.800	-1.3
98155	503	5.220	4.990	4.6	98304	501	5.940	6.020	-1.3	98413	505	15.600	15.800	-1.3
98155	504	5.220	4.990	4.6	98304	503	5.940	6.020	-1.3	98414	501	14.300	14.500	-1.4
98155	505	5.220	4.990	4.6	98304	504	5.940	6.020	-1.3	98414	503	14.300	14.500	-1.4
98157	501	3.340	3.190	4.7	98304	505	5.940	6.020	-1.3	98414	504	14.300	14.500	-1.4
98157	503	3.340	3.190	4.7	98305	501	3.700	3.390	9.1	98414	505	14.300	14.500	-1.4
98157	504	3.340	3.190	4.7	98305	503	3.700	3.390	9.1	98415	501	1.880	1.910	-1.6
98157	505	3.340	3.190	4.7	98305	504	3.700	3.390	9.1	98415	503	1.880	1.910	-1.6
98159	501	2.240	2.140	4.7	98305	505	3.700	3.390	9.1	98415	504	1.880	1.910	-1.6
98159	503	2.240	2.140	4.7	98306	501	9.520	8.730	9.0	98415	505	1.880	1.910	-1.6
98159	504	2.240	2.140	4.7	98306	503	9.520	8.730	9.0	98423	501	4.470	4.540	-1.5
98159	505	2.240	2.140	4.7	98306	504	9.520	8.730	9.0	98423	503	4.470	4.540	-1.5
98160	501	4.740	4.530	4.6	98306	505	9.520	8.730	9.0	98423	504	4.470	4.540	-1.5
98160	503	4.740	4.530	4.6	98307	501	1.880	1.910	-1.6	98423	505	4.470	4.540	-1.5
98160	504	4.740	4.530	4.6	98307	503	1.880	1.910	-1.6	98424	501	7.590	7.700	-1.4
98160	505	4.740	4.530	4.6	98307	504	1.880	1.910	-1.6	98424	503	7.590	7.700	-1.4
98161	501	5.310	5.070	4.7	98307	505	1.880	1.910	-1.6	98424	504	7.590	7.700	-1.4

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

```
STATE: 41 - TENNESSEE
SUBLINE: PREM/OPS
                                         LOSS COST % CHANGE BY CLASS


            PROPOSED  PRESENT    %                PROPOSED  PRESENT    %                PROPOSED  PRESENT    %
CLASS TERR  OCCURR    OCCURR    CHG    CLASS TERR  OCCURR    OCCURR    CHG    CLASS TERR  OCCURR    OCCURR    CHG
-------------------------------------------------------------------------------------------------------------------
98424 505    7.590     7.700   -1.4   98555 504    2.720     2.750   -1.1   98677 503   19.000    19.200   -1.0
98425 501    3.120     3.160   -1.3   98555 505    2.720     2.750   -1.1   98677 504   19.000    19.200   -1.0
98425 503    3.120     3.160   -1.3   98597 501     .610      .620   -1.6   98677 505   19.000    19.200   -1.0
98425 504    3.120     3.160   -1.3   98597 503     .610      .620   -1.6   98678 501   16.900    17.100   -1.2
98425 505    3.120     3.160   -1.3   98597 504     .610      .620   -1.6   98678 503   16.900    17.100   -1.2

98426 501    2.750     2.790   -1.4   98597 505     .610      .620   -1.6   98678 504   16.900    17.100   -1.2
98426 503    2.750     2.790   -1.4   98598 501     .209      .212   -1.4   98678 505   16.900    17.100   -1.2
98426 504    2.750     2.790   -1.4   98598 503     .209      .212   -1.4   98699 501    5.480     5.560   -1.4
98426 505    2.750     2.790   -1.4   98598 504     .209      .212   -1.4   98699 503    5.480     5.560   -1.4
98427 501    2.680     2.720   -1.5   98598 505     .209      .212   -1.4   98699 504    5.480     5.560   -1.4

98427 503    2.680     2.720   -1.5   98601 501    6.980     7.080   -1.4   98699 505    5.480     5.560   -1.4
98427 504    2.680     2.720   -1.5   98601 503    6.980     7.080   -1.4   98705 501    7.640     7.290    4.8
98427 505    2.680     2.720   -1.5   98601 504    6.980     7.080   -1.4   98705 503    7.640     7.290    4.8
98429 501    1.100     1.050    4.8   98601 505    6.980     7.080   -1.4   98705 504    7.640     7.290    4.8
98429 503    1.100     1.050    4.8   98624 501    1.100     1.110   -0.9   98705 505    7.640     7.290    4.8

98429 504    1.100     1.050    4.8   98624 503    1.100     1.110   -0.9   98710 501    3.810     3.870   -1.6
98429 505    1.100     1.050    4.8   98624 504    1.100     1.110   -0.9   98710 503    3.810     3.870   -1.6
98449 501    3.850     3.900   -1.3   98624 505    1.100     1.110   -0.9   98710 504    3.810     3.870   -1.6
98449 503    3.850     3.900   -1.3   98636 501    3.740     3.760   -0.5   98710 505    3.810     3.870   -1.6
98449 504    3.850     3.900   -1.3   98636 503    3.740     3.760   -0.5   98751 501    4.080     3.900    4.6

98449 505    3.850     3.900   -1.3   98636 504    3.740     3.760   -0.5   98751 503    4.080     3.900    4.6
98482 501    4.130     4.180   -1.2   98636 505    3.740     3.760   -0.5   98751 504    4.080     3.900    4.6
98482 503    4.130     4.180   -1.2   98640 501  120.000   122.000   -1.6   98751 505    4.080     3.900    4.6
98482 504    4.130     4.180   -1.2   98640 503  120.000   122.000   -1.6   98805 501    4.980     5.050   -1.4
98482 505    4.130     4.180   -1.2   98640 504  120.000   122.000   -1.6   98805 503    4.980     5.050   -1.4

98483 501    6.090     6.180   -1.5   98640 505  120.000   122.000   -1.6   98805 504    4.980     5.050   -1.4
98483 503    6.090     6.180   -1.5   98658 501    5.400     5.160    4.7   98805 505    4.980     5.050   -1.4
98483 504    6.090     6.180   -1.5   98658 503    5.400     5.160    4.7   98806 501    3.480     3.500   -0.6
98483 505    6.090     6.180   -1.5   98658 504    5.400     5.160    4.7   98806 503    3.480     3.500   -0.6
98502 501    5.830     5.910   -1.4   98658 505    5.400     5.160    4.7   98806 504    3.480     3.500   -0.6

98502 503    5.830     5.910   -1.4   98659 501     .970      .920    5.4   98806 505    3.480     3.500   -0.6
98502 504    5.830     5.910   -1.4   98659 503     .970      .920    5.4   98810 501    5.210     4.780    9.0
98502 505    5.830     5.910   -1.4   98659 504     .970      .920    5.4   98810 503    5.210     4.780    9.0
98555 501    2.720     2.750   -1.1   98659 505     .970      .920    5.4   98810 504    5.210     4.780    9.0
98555 503    2.720     2.750   -1.1   98677 501   19.000    19.200   -1.0   98810 505    5.210     4.780    9.0
```

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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	5.030	4.610	9.1	99004	505	4.180	3.840	8.9	99310	504	3.800	3.850	-1.3
98813	503	5.030	4.610	9.1	99080	501	1.310	1.320	-0.8	99310	505	3.800	3.850	-1.3
98813	504	5.030	4.610	9.1	99080	503	1.310	1.320	-0.8	99315	501	11.200	11.300	-0.9
98813	505	5.030	4.610	9.1	99080	504	1.310	1.320	-0.8	99315	503	11.200	11.300	-0.9
98820	501	9.510	9.640	-1.3	99080	505	1.310	1.320	-0.8	99315	504	11.200	11.300	-0.9
98820	503	9.510	9.640	-1.3	99111	501	1.900	1.920	-1.0	99315	505	11.200	11.300	-0.9
98820	504	9.510	9.640	-1.3	99111	503	1.900	1.920	-1.0	99321	501	10.800	11.000	-1.8
98820	505	9.510	9.640	-1.3	99111	504	1.900	1.920	-1.0	99321	503	10.800	11.000	-1.8
98884	501	2.470	2.510	-1.6	99111	505	1.900	1.920	-1.0	99321	504	10.800	11.000	-1.8
98884	503	2.470	2.510	-1.6	99163	501	4.530	4.590	-1.3	99321	505	10.800	11.000	-1.8
98884	504	2.470	2.510	-1.6	99163	503	4.530	4.590	-1.3	99471	501	.660	.630	4.8
98884	505	2.470	2.510	-1.6	99163	504	4.530	4.590	-1.3	99471	503	.660	.630	4.8
98914	501	.660	.630	4.8	99163	505	4.530	4.590	-1.3	99471	504	.660	.630	4.8
98914	503	.660	.630	4.8	99165	501	.990	1.010	-2.0	99471	505	.660	.630	4.8
98914	504	.660	.630	4.8	99165	503	.990	1.010	-2.0	99505	501	6.050	6.080	-0.5
98914	505	.660	.630	4.8	99165	504	.990	1.010	-2.0	99505	503	6.050	6.080	-0.5
98949	501	.920	.880	4.5	99165	505	.990	1.010	-2.0	99505	504	6.050	6.080	-0.5
98949	503	.920	.880	4.5	99220	501	1.450	1.380	5.1	99505	505	6.050	6.080	-0.5
98949	504	.920	.880	4.5	99220	503	1.450	1.380	5.1	99506	501	7.440	7.480	-0.5
98949	505	.920	.880	4.5	99220	504	1.450	1.380	5.1	99506	503	7.440	7.480	-0.5
98967	501	3.880	3.940	-1.5	99220	505	1.450	1.380	5.1	99506	504	7.440	7.480	-0.5
98967	503	3.880	3.940	-1.5	99222	501	2.720	2.600	4.6	99506	505	7.440	7.480	-0.5
98967	504	3.880	3.940	-1.5	99222	503	2.720	2.600	4.6	99507	501	6.490	6.520	-0.5
98967	505	3.880	3.940	-1.5	99222	504	2.720	2.600	4.6	99507	503	6.490	6.520	-0.5
98993	501	7.150	7.190	-0.6	99222	505	2.720	2.600	4.6	99507	504	6.490	6.520	-0.5
98993	503	7.150	7.190	-0.6	99223	501	.280	.280	0.0	99507	505	6.490	6.520	-0.5
98993	504	7.150	7.190	-0.6	99223	503	.280	.280	0.0	99570	501	3.480	3.500	-0.6
98993	505	7.150	7.190	-0.6	99223	504	.280	.280	0.0	99570	503	3.480	3.500	-0.6
99003	501	1.850	1.870	-1.1	99223	505	.280	.280	0.0	99570	504	3.480	3.500	-0.6
99003	503	1.850	1.870	-1.1	99303	501	15.200	15.400	-1.3	99570	505	3.480	3.500	-0.6
99003	504	1.850	1.870	-1.1	99303	503	15.200	15.400	-1.3	99571	501	.840	.850	-1.2
99003	505	1.850	1.870	-1.1	99303	504	15.200	15.400	-1.3	99571	503	.840	.850	-1.2
99004	501	4.180	3.840	8.9	99303	505	15.200	15.400	-1.3	99571	504	.840	.850	-1.2
99004	503	4.180	3.840	8.9	99310	501	3.800	3.850	-1.3	99571	505	.840	.850	-1.2
99004	504	4.180	3.840	8.9	99310	503	3.800	3.850	-1.3	99572	501	1.650	1.660	-0.6

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

```
STATE: 41 - TENNESSEE
SUBLINE: PREM/OPS
                                         LOSS COST % CHANGE BY CLASS


            PROPOSED  PRESENT    %                PROPOSED  PRESENT    %                PROPOSED  PRESENT    %
CLASS TERR  OCCURR    OCCURR    CHG    CLASS TERR  OCCURR    OCCURR    CHG    CLASS TERR  OCCURR    OCCURR    CHG
----------------------------------------------------------------------------------------------------------------
99572 503    1.650     1.660   -0.6   99746 501    2.590     2.630   -1.5   99938 505    3.480     3.530   -1.4
99572 504    1.650     1.660   -0.6   99746 503    2.590     2.630   -1.5   99943 501   10.100    10.200   -1.0
99572 505    1.650     1.660   -0.6   99746 504    2.590     2.630   -1.5   99943 503   10.100    10.200   -1.0
99573 501    1.580     1.580    0.0   99746 505    2.590     2.630   -1.5   99943 504   10.100    10.200   -1.0
99573 503    1.580     1.580    0.0   99760 501     .300      .300    0.0   99943 505   10.100    10.200   -1.0

99573 504    1.580     1.580    0.0   99760 503     .300      .300    0.0   99946 501    7.520     7.620   -1.3
99573 505    1.580     1.580    0.0   99760 504     .300      .300    0.0   99946 503    7.520     7.620   -1.3
99600 501    1.820     1.670    9.0   99760 505     .300      .300    0.0   99946 504    7.520     7.620   -1.3
99600 503    1.820     1.670    9.0   99777 501    9.030     8.280    9.1   99946 505    7.520     7.620   -1.3
99600 504    1.820     1.670    9.0   99777 503    9.030     8.280    9.1   99948 501    8.610     8.660   -0.6

99600 505    1.820     1.670    9.0   99777 504    9.030     8.280    9.1   99948 503    8.610     8.660   -0.6
99613 501    9.590     9.720   -1.3   99777 505    9.030     8.280    9.1   99948 504    8.610     8.660   -0.6
99613 503    9.590     9.720   -1.3   99793 501    3.290     3.340   -1.5   99948 505    8.610     8.660   -0.6
99613 504    9.590     9.720   -1.3   99793 503    3.290     3.340   -1.5   99952 501    7.640     7.010    9.0
99613 505    9.590     9.720   -1.3   99793 504    3.290     3.340   -1.5   99952 503    7.640     7.010    9.0

99614 501    4.060     3.730    8.8   99793 505    3.290     3.340   -1.5   99952 504    7.640     7.010    9.0
99614 503    4.060     3.730    8.8   99826 501    1.030      .950    8.4   99952 505    7.640     7.010    9.0
99614 504    4.060     3.730    8.8   99826 503    1.030      .950    8.4   99953 501    8.240     7.560    9.0
99614 505    4.060     3.730    8.8   99826 504    1.030      .950    8.4   99953 503    8.240     7.560    9.0
99620 501     .520      .530   -1.9   99826 505    1.030      .950    8.4   99953 504    8.240     7.560    9.0

99620 503     .520      .530   -1.9   99827 501     .470      .480   -2.1   99953 505    8.240     7.560    9.0
99620 504     .520      .530   -1.9   99827 503     .470      .480   -2.1   99954 501    6.000     5.500    9.1
99620 505     .520      .530   -1.9   99827 504     .470      .480   -2.1   99954 503    6.000     5.500    9.1
99650 501    1.650     1.660   -0.6   99827 505     .470      .480   -2.1   99954 504    6.000     5.500    9.1
99650 503    1.650     1.660   -0.6   99851 501    1.920     1.940   -1.0   99954 505    6.000     5.500    9.1

99650 504    1.650     1.660   -0.6   99851 503    1.920     1.940   -1.0   99955 501    7.520     6.890    9.1
99650 505    1.650     1.660   -0.6   99851 504    1.920     1.940   -1.0   99955 503    7.520     6.890    9.1
99709 501    4.070     4.090   -0.5   99851 505    1.920     1.940   -1.0   99955 504    7.520     6.890    9.1
99709 503    4.070     4.090   -0.5   99917 501    3.100     3.140   -1.3   99955 505    7.520     6.890    9.1
99709 504    4.070     4.090   -0.5   99917 503    3.100     3.140   -1.3   99963 501     .750      .760   -1.3

99709 505    4.070     4.090   -0.5   99917 504    3.100     3.140   -1.3   99963 503     .750      .760   -1.3
99718 501    1.530     1.550   -1.3   99917 505    3.100     3.140   -1.3   99963 504     .750      .760   -1.3
99718 503    1.530     1.550   -1.3   99938 501    3.480     3.530   -1.4   99963 505     .750      .760   -1.3
99718 504    1.530     1.550   -1.3   99938 503    3.480     3.530   -1.4   99969 501    2.630     2.510    4.8
99718 505    1.530     1.550   -1.3   99938 504    3.480     3.530   -1.4   99969 503    2.630     2.510    4.8
```

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

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	2.630	2.510	4.8										
99969	505	2.630	2.510	4.8										
99975	501	6.670	6.120	9.0										
99975	503	6.670	6.120	9.0										
99975	504	6.670	6.120	9.0										
99975	505	6.670	6.120	9.0										
99988	501	2.330	2.220	5.0										
99988	503	2.330	2.220	5.0										
99988	504	2.330	2.220	5.0										
99988	505	2.330	2.220	5.0										

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

```
STATE: 41 - TENNESSEE
SUBLINE: PRODUCTS/COMPLETED OPERATIONS
                                          LOSS COST % CHANGE BY CLASS


       PROPOSED  PRESENT    %                PROPOSED  PRESENT    %                PROPOSED  PRESENT    %
CLASS  OCCURR    OCCURR     CHG       CLASS  OCCURR    OCCURR     CHG       CLASS  OCCURR    OCCURR     CHG
-------------------------------------------------------------------------------------------------------------
10010     .224      .250  -10.4       11259     .146      .220  -33.6 L     13759     .138      .197  -29.9
10026     .025      .027   -7.4       11288     .072      .097  -25.8       13930     .205      .201    2.0
10040     .300      .310   -3.2       12014     .043      .065  -33.8       14068     .018      .020  -10.0
10042     .330      .340   -2.9       12356     .031      .042  -26.2       14101     .039      .048  -18.8
10060     .101      .132  -23.5       12361     .091      .095   -4.2       14279     .063      .095  -33.7 L

10065     .035      .052  -32.7       12373     .031      .036  -13.9       14401     .081      .115  -29.6
10066     .077      .072    6.9       12374     .062      .093  -33.3 L     14527     .202      .206   -1.9
10070     .141      .143   -1.4       12375     .042      .063  -33.3 L     14855     .200      .217   -7.8
10071     .129      .155  -16.8       12391     .100      .107   -6.5       14913     .119      .131   -9.2
10073     .520      .600  -13.3       12509     .047      .052   -9.6       15223     .035      .040  -12.5

10075     .208      .270  -23.0       12510     .031      .041  -24.4       15224     .058      .077  -24.7
10100     .045      .067  -32.8 L     12651     .560      .590   -5.1       15406     .047      .050   -6.0
10101     .191      .198   -3.5       12707     .790      .790    0.0       15538     .021      .030  -30.0
10107     .234      .320  -26.9       12797     .168      .176   -4.5       15600     .110      .146  -24.7
10111     .098      .106   -7.5       12805     .112      .114   -1.8       15608     .011      .014  -21.4

10115     .090      .125  -28.0       13049     .058      .063   -7.9       15733     .044      .052  -15.4
10140     .020      .022   -9.1       13111     .113      .141  -19.9       15839     .025      .035  -28.6
10141     .022      .025  -12.0       13112     .083      .070   18.6       15991     .088      .118  -25.4
10145     .011      .016  -31.3 L     13201     .201      .221   -9.0       15993     .053      .058   -8.6
10146     .017      .025  -32.0 L     13204    1.240     1.130    9.7       16005     .040      .042   -4.8

10255     .152      .177  -14.1       13205     .450      .440    2.3       16009     .073      .059   23.7 U
10256     .158      .162   -2.5       13314     .020      .022   -9.1       16403     .124      .186  -33.3
10257     .187      .196   -4.6       13351     .042      .040    5.0       16527     .420      .430   -2.3
10309     .023      .033  -30.3       13352     .052      .067  -22.4       16604     .212      .290  -26.9
10352     .066      .100  -34.0 L     13410    2.550     2.670   -4.5       16676     .016      .021  -23.8

11020     .125      .100   25.0 U     13412    1.110     1.040    6.7       16705     .173      .188   -8.0
11039     .056      .072  -22.2       13506     .075      .090  -16.7       16750     .041      .045   -8.9
11126     .024      .026   -7.7       13507     .178      .219  -18.7       16900     .089      .122  -27.0
11127     .010      .015  -33.3       13590     .770      .850   -9.4       16901     .121      .126   -4.0
11128     .078      .083   -6.0       13621     .420      .440   -4.5       16902     .092      .138  -33.3 L

11203     .650      .720   -9.7       13670     .013      .015  -13.3       16905     .089      .122  -27.0
11204    1.880     2.080   -9.6       13673     .013      .016  -18.8       16906     .121      .126   -4.0
11234     .079      .108  -26.9       13715     .151      .153   -1.3       16910     .064      .084  -23.8
11248     .022      .024   -8.3       13716     .149      .184  -19.0       16911     .052      .069  -24.6
11258     .260      .390  -33.3 L     13720     .059      .089  -33.7 L     16915     .061      .077  -20.8




L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION
```

LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG		CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG		CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	
16916	.051	.075	-32.0		51116	.550	.590	-6.8		51666	.127	.102	24.5	U
16920	.140	.194	-27.8		51205	.111	.135	-17.8		51734	.360	.420	-14.3	
16921	.072	.108	-33.3	L	51206	.610	.750	-18.7		51741	.280	.320	-12.5	
16930	.202	.243	-16.9		51220	3.250	3.240	0.3		51752	.199	.250	-20.4	
16931	.089	.134	-33.6	L	51221	2.440	2.400	1.7		51767	.012	.016	-25.0	L
16940	.072	.108	-33.3	L	51222	3.380	3.280	3.0		51777	.084	.097	-13.4	
16941	.127	.191	-33.5	L	51224	1.190	1.220	-2.5		51808	.760	.800	-5.0	
18078	.201	.186	8.1		51230	.880	.960	-8.3		51809	.184	.216	-14.8	
18109	.033	.043	-23.3		51240	.213	.250	-14.8		51833	.103	.142	-27.5	L
18110	.047	.070	-32.9		51241	.340	.360	-5.6		51869	.190	.241	-21.2	
18205	.360	.380	-5.3		51252	.110	.141	-22.0		51877	.260	.300	-13.3	
18206	.103	.114	-9.6		51254	.060	.073	-17.8		51889	.020	.027	-25.9	L
18335	.023	.031	-25.8		51300	.209	.260	-19.6		51896	.023	.028	-17.9	
18435	.043	.054	-20.4		51305	1.230	1.510	-18.5		51900	.105	.120	-12.5	
18436	.163	.246	-33.7	L	51315	.116	.139	-16.5		51909	.066	.076	-13.2	
18501	.012	.017	-29.4		51330	.430	.490	-12.2		51926	.049	.054	-9.3	
18506	.007	.009	-22.2		51333	.340	.330	3.0		51927	.126	.157	-19.7	
18507	.008	.011	-27.3		51350	.177	.214	-17.3		51934	.178	.228	-21.9	
18616	.610	.670	-9.0		51351	.054	.066	-18.2		51941	.045	.044	2.3	
18707	.003	.003	0.0	U	51352	.138	.179	-22.9		51956	.300	.340	-11.8	
18708	.013	.016	-18.8		51355	.116	.141	-17.7		51957	.420	.410	2.4	
18834	.146	.195	-25.1		51356	.850	1.050	-19.0		51958	.390	.530	-26.4	
18911	.022	.029	-24.1		51357	.430	.540	-20.4		51960	.420	.490	-14.3	
18912	.033	.039	-15.4		51358	.175	.211	-17.1		51970	.250	.247	1.2	
18920	.021	.027	-22.2		51359	1.010	1.160	-12.9		51982	.099	.116	-14.7	
45771	.220	.220	0.0		51370	6.020	6.570	-8.4		51986	.128	.155	-17.4	
45819	.068	.102	-33.3	L	51380	.072	.088	-18.2		51999	.540	.630	-14.3	
45900	.057	.086	-33.7	L	51500	.125	.149	-16.1		52002	.112	.126	-11.1	
45901	.060	.065	-7.7		51550	.410	.480	-14.6		52075	.290	.340	-14.7	
49239	.830	.990	-16.2		51551	1.060	1.140	-7.0		52134	.750	.760	-1.3	
49617	.191	.216	-11.6		51552	.169	.173	-2.3		52315	.270	.290	-6.9	
49618	.048	.062	-22.6		51575	.028	.035	-20.0		52433	1.460	1.660	-12.0	
49619	.097	.107	-9.3		51576	.100	.138	-27.5	L	52469	.100	.096	4.2	
50010	.820	1.060	-22.6		51600	.232	.290	-20.0		52505	.224	.250	-10.4	
51001	.530	.620	-14.5		51613	.200	.270	-25.9		52547	.093	.099	-6.1	

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

```
STATE: 41 - TENNESSEE
SUBLINE: PRODUCTS/COMPLETED OPERATIONS
                                      LOSS COST % CHANGE BY CLASS


      PROPOSED  PRESENT    %              PROPOSED  PRESENT    %              PROPOSED  PRESENT    %
CLASS OCCURR    OCCURR    CHG      CLASS  OCCURR    OCCURR    CHG      CLASS   OCCURR    OCCURR    CHG
-----------------------------------------------------------------------------------------------------------
52581   5.330    7.390  -27.9 L    56391   .360     .420   -14.3     58397    .970      .990     -2.0
52744    .126     .117    7.7      56427   .146     .172   -15.1     58503    .077      .071      8.5
52911    .680     .770  -11.7      56488   .039     .039    0.0      58575    .143      .167    -14.4
52967    .074     .085  -12.9      56690   .420     .490   -14.3     58627    .022      .030    -26.7 L
53001    .380     .440  -13.6      56699   .051     .062   -17.7     58663   1.870     1.710      9.4

53077    .248     .280  -11.4      56758   .178     .214   -16.8     58737   1.010      .990      2.0
53121    .540     .650  -16.9      56759   .118     .144   -18.1     58802    .500      .570    -12.3
53333    .238     .250   -4.8      56760   .127     .147   -13.6     58837    .132      .153    -13.7
53374    .450     .470   -4.3      56912   .105     .084   25.0 U    58840    .128      .149    -14.1
53375    .244     .250   -2.4      56916   .196     .260   -24.6     58873    .034      .038    -10.5

53376    .212     .238  -10.9      57001   .015     .016   -6.3      58904    .152      .177    -14.1
53377    .270     .330  -18.2      57002   .130     .161   -19.3     58922    .241      .227      6.2
53565    .158     .207  -23.7      57090   .710     .820   -13.4     59005    .108      .137    -21.2
53631    .025     .029  -13.8      57146   .730     .860   -15.1     59188    .065      .075    -13.3
53632    .040     .046  -13.0      57257   .050     .040   25.0 U    59189    .350      .410    -14.6

53732    .600     .700  -14.3      57401   .113     .131   -13.7     59223    .087      .099    -12.1
53733    .260     .290  -10.3      57403   .041     .048   -14.6     59257    .021      .028    -25.0 L
53907    .139     .155  -10.3      57410   .188     .260   -27.7 L   59378    .175      .203    -13.8
54077    .390     .350   11.4      57572   .107     .118   -9.3      59481    .101      .121    -16.5
55010   1.250    1.370   -8.8      57600   .039     .047   -17.0     59537    .172      .181     -5.0

55011   1.140    1.290  -11.6      57611   .075     .089   -15.7     59601   3.050     2.720     12.1
55012   1.320    1.440   -8.3      57651   .050     .066   -24.2     59647    .205      .249    -17.7
55013   1.050    1.180  -11.0      57690   .640     .820   -22.0     59660   1.200     1.110      8.1
55214    .103     .119  -13.4      57716   .106     .129   -17.8     59701    .227      .250     -9.2
55371    .158     .200  -21.0      57725   .094     .094    0.0      59713    .370      .400     -7.5

55597   1.990    2.170   -8.3      57726   .019     .022   -13.6     59722    .036      .041    -12.2
55647    .080     .110  -27.3 L    57810   .126     .146   -13.7     59723    .044      .051    -13.7
55715    .270     .320  -15.6      57871   .127     .139   -8.6      59724    .031      .039    -20.5
55716    .590     .610   -3.3      57913   .430     .590   -27.1 L   59725    .103      .117    -12.0
55802    .013     .017  -23.5      57998   .067     .079   -15.2     59726    .026      .028     -7.1

55918   4.300    5.280  -18.6      57999   .081     .093   -12.9     59738    .077      .090    -14.4
55919   4.860    5.900  -17.6      58095  1.950    2.030   -3.9      59750    .280      .310     -9.7
56040    .057     .078  -26.9 L    58096  1.060    1.150   -7.8      59773    .032      .037    -13.5
56202    .126     .159  -20.8      58301   .086     .090   -4.4      59774    .175      .203    -13.8
56390    .620     .620    0.0      58302   .064     .075   -14.7     59775    .211      .230     -8.3
```

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

```
STATE: 41 - TENNESSEE
SUBLINE: PRODUCTS/COMPLETED OPERATIONS
                                       LOSS COST % CHANGE BY CLASS


      PROPOSED  PRESENT    %                PROPOSED  PRESENT    %                PROPOSED  PRESENT    %
CLASS OCCURR    OCCURR    CHG        CLASS  OCCURR    OCCURR    CHG        CLASS  OCCURR    OCCURR    CHG
-------------------------------        -----------------------------------        -----------------------------------
59781    .088      .110  -20.0        91341   3.590     3.780    -5.0        96409  10.200    10.200     0.0
59782    .690      .910  -24.2        91342   3.780     4.120    -8.3        96410   8.140     9.900   -17.8
59798    .530      .550   -3.6        91343   1.320     1.380    -4.3        96611   1.470     1.450     1.4
59886    .131      .155  -15.5        91436   2.680     3.370   -20.5        97221   1.350     2.020   -33.2
59889    .169      .198  -14.6        91507   3.010     3.860   -22.0        97222   2.590     3.400   -23.8

59904    .080      .101  -20.8        91551    .630      .850   -25.9        97223   3.420     3.620    -5.5
59905    .138      .150   -8.0        91555   1.060     1.410   -24.8        97447   3.830     4.360   -12.2
59914    .700      .760   -7.9        91560   4.050     4.230    -4.3        97650   3.780     4.690   -19.4
59915    .880      .970   -9.3        91577   2.740     3.560   -23.0        97651   3.510     4.400   -20.2
59917    .164      .154    6.5        91746   5.660     7.170   -21.1        97652   4.010     5.060   -20.8

59923    .007      .009  -22.2 L      92053    .460      .530   -13.2        97653   2.280     2.540   -10.2
59925   1.060     1.250  -15.2        92054    .270      .360   -25.0        97654   2.970     3.700   -19.7
59926    .490      .590  -16.9        92055    .260      .350   -25.7        97655   4.250     5.460   -22.2
59927   1.710     1.710    0.0        92101   2.500     2.820   -11.3        98002   1.080     1.410   -23.4
59931    .690      .790  -12.7        92102   2.420     2.920   -17.1        98152    .320      .360   -11.1

59932   1.110     1.340  -17.2        92215   3.300     3.530    -6.5        98157    .400      .560   -28.6
59947    .390      .440  -11.4        92338   1.770     1.900    -6.8        98163    .270      .400   -32.5 L
59955    .171      .200  -14.5        92446   1.570     1.970   -20.3        98164    .084      .127   -33.9 L
59963    .540      .670  -19.4        92447   1.570     2.010   -21.9        98303   7.590     8.050    -5.7
59964    .066      .075  -12.0        92451   2.020     2.220    -9.0        98304   3.780     4.210   -10.2

59970    .212      .249  -14.9        92478   1.870     2.080   -10.1        98305   1.520     1.640    -7.3
59975    .237      .230    3.0        94007   4.410     5.750   -23.3        98306    .870     1.150   -24.3
59984    .064      .072  -11.1        94276   4.280     5.030   -14.9        98307    .470      .610   -23.0
59988    .069      .080  -13.7        94381  12.200    15.400   -20.8        98308    .650      .610     6.6
59989    .052      .060  -13.3        94404   4.300     6.470   -33.5        98309   2.520     3.290   -23.4

91111   6.020     6.680   -9.9        94569   2.430     2.970   -18.2        98344    .640      .740   -13.5
91125   2.420     3.660  -33.9 L      95124    .650      .800   -18.8        98449  19.300    19.800    -2.5
91127   1.600     2.220  -27.9        95310   1.560     2.360   -33.9 L      98482   6.640     7.790   -14.8
91150   5.020     5.840  -14.0        95410   2.600     2.790    -6.8        98483  17.400    19.900   -12.6
91155  28.800    30.600   -5.9        95455   1.530     1.940   -21.1        98502   3.480     4.100   -15.1

91235   2.050     2.570  -20.2        95505   2.110     2.750   -23.3        98636   3.860     4.270    -9.6
91265   2.180     3.300  -33.9 L      95625   2.860     3.320   -13.9        98659    .470      .710   -33.8 L
91266    .930     1.400  -33.6 L      95647   5.770     6.540   -11.8        98677   8.000    10.400   -23.1
91280   2.750     4.160  -33.9 L      96053   3.720     4.560   -18.4        98678  12.800    16.100   -20.5
91340   7.300     8.500  -14.1        96408  14.300    20.400   -29.9        98805   1.110     1.430   -22.4




L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION
```

```
STATE: 41 - TENNESSEE
SUBLINE: PRODUCTS/COMPLETED OPERATIONS
                                              LOSS COST % CHANGE BY CLASS


      PROPOSED  PRESENT     %              PROPOSED  PRESENT     %                  PROPOSED  PRESENT     %
CLASS OCCURR    OCCURR     CHG       CLASS  OCCURR   OCCURR     CHG        CLASS     OCCURR   OCCURR     CHG
-------------------------------------------------------------------------------------------------------------
98806    2.990     3.720  -19.6
98813    2.030     2.180   -6.9
98820    3.280     4.270  -23.2
98884    1.160     1.450  -20.0
98914     .720     1.080  -33.3 L

98949     .370      .550  -32.7 L
98967    6.150     7.830  -21.5
98993    4.610     6.460  -28.6
99003    1.550     1.240   25.0 U
99004    1.700     1.990  -14.6

99080    7.020     7.200   -2.5
99163     .540      .810  -33.3 L
99315    1.430     1.820  -21.4
99321    2.330     2.810  -17.1
99613    2.220     2.780  -20.1

99650     .840      .930   -9.7
99746    2.550     3.180  -19.8
99803    6.910     9.940  -30.5
99826     .480      .590  -18.6
99827     .540      .710  -23.9

99946    2.700     3.160  -14.6
99948   22.700    26.800  -15.3
99952   18.900    19.700   -4.1
99953    9.620    11.200  -14.1
99954   11.400    12.400   -8.1

99955   10.700    16.100  -33.5 L
99969    1.780     1.950   -8.7
```

L - LOWER CAP APPLIED
U - UPPER CAP APPLIED
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION

SECTION B

EXPLANATORY MATERIAL

TABLE OF CONTENTS

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.

STEP 3:
APPLICATION OF
PERCENTAGE
CHANGES

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

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

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

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 1 - DETERMINATION OF INDICATED LOSS COST LEVEL CHANGE

OBJECTIVE

The objective of this procedure is to determine the indicated loss cost level change. This procedure answers the question: What percentage changes must be made on average to the current ISO loss costs in order for them to be adequate to cover indemnity losses and all loss adjustment expenses incurred in the prospective period in which the revised loss costs will be used?

DESCRIPTION

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.

For Premises/Operations, in order to minimize the impact of random variation in the observed losses, the average experience ratio is then credibility-weighted with the expected experience ratio, which reflects trend and the relative adequacy of current loss costs. This credibility-weighted experience ratio is the indicated statewide advisory loss cost level change in decimal form.

For Products/Completed Operations, the average experience ratio is the indicated multistate advisory loss cost level change, in decimal form. Products/Completed Operations data is assumed to be fully credible.

EXPERIENCE
BASE

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.

AGGREGATE
LOSS
COSTS

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

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

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

- developed to an ultimate settlement basis by the application of loss development factors;

- loaded for unallocated loss adjustment expenses;

- placed on the prospective cost/frequency level by the application of trend factors. Losses are trended to one year beyond the assumed effective date.

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

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

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.

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.
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.

STEP 2 - DISTRIBUTION OF BASIC LIMIT LOSS COST LEVEL INDICATION

OBJECTIVE

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.

PREMISES/
OPERATIONS

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.

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 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.

PRODUCTS

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.

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.

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, 2015, 2016 and 2017 are weighted 20%, 30% and 50% respectively. For Products/Completed Operations, multistate data for accident years ending December 31, 2014, 2015 and 2016 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.

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:

$$TOP_i = \frac{\displaystyle\sum_j \sum_k W_{ijk} r_{ijk}}{\displaystyle\sum_j \sum_k W_{ijk} CG_j TER_k} \qquad \text{where } 1 \le i \le m$$

$$CG_j = \frac{\displaystyle\sum_i \sum_k W_{ijk} r_{ijk}}{\displaystyle\sum_i \sum_k W_{ijk} TOP_i TER_k} \qquad \text{where } 1 \le j \le n$$

$$TER_k = \frac{\displaystyle\sum_i \sum_j W_{ijk} r_{ijk}}{\displaystyle\sum_i \sum_j W_{ijk} TOP_i CG_j} \qquad \text{where } 1 \le k \le p$$

TOP_i is the relative change for the ith type of policy;

CG_j is the relative change for the jth class group;

TER_k is the relative change for the kth territory;

W_{ijk} is the aggregate loss costs at current level for the ith

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

r_{ijk} is the relative change for the ith 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;

ITERATIVE
PROCEDURE
(Cont'd)

For Manufacturers and Contractors, and Products:

$$TOP_i = \frac{\sum_j W_{ij} r_{ij}}{\sum_j W_{ij} CG_j} \qquad \text{where } 1 \le i \le m$$

$$CG_j = \frac{\sum_i W_{ij} r_{ij}}{\sum_i W_{ij} TOP_i} \qquad \text{where } 1 \le j \le n$$

TOP_i is the relative change for the ith type of policy;

CG_j is the relative change for the jth class group;

W_{ij} is the aggregate loss costs at current level for the ith

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

r_{ij} is the relative change for the ith 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;

ITERATIVE
PROCEDURE   For Local Products/Completed Operations:
(Cont'd)

$$TOP_i = \frac{\displaystyle\sum_j \sum_k W_{ijk} r_{ijk}}{\displaystyle\sum_j \sum_k W_{ijk} CG_j ST_k} \qquad \text{where } 1 \le i \le m$$

$$CG_j = \frac{\displaystyle\sum_i \sum_k W_{ijk} r_{ijk}}{\displaystyle\sum_i \sum_k W_{ijk} TOP_i ST_k} \qquad \text{where } 1 \le j \le n$$

$$ST_k = \frac{\displaystyle\sum_i \sum_j W_{ijk} r_{ijk}}{\displaystyle\sum_i \sum_j W_{ijk} TOP_i CG_j} \qquad \text{where } 1 \le k \le p$$

TOP_i is the relative change for the ith type of policy;

CG_j is the relative change for the jth class group;

ST_k is the relative change for the kth state;

W_{ijk} is the aggregate loss costs at current level for the ith

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

r_{ijk} is the relative change for the ith 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;

ITERATIVE
PROCEDURE
(Cont'd)

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

APPLICATION OF
CREDIBILITY

Consideration is then given to the credibility of the experience for each rating variable. The credibility of each of these categories is based on the formula $Z = \sqrt{P/18,000}$ for Owners, Landlords and Tenants, $Z = \sqrt{P/18,000}$ for Manufacturers and Contractors and $Z = \sqrt{P/20,000}$ for Products, where P is the 5 year occurrence total for a given class group, territory or type of policy. For Local Products/Completed Operations, separate formulas are used to calculate the credibility of the experience for each type of policy and class group versus the credibility of the experience for each state, namely $Z = \sqrt{P/15,000}$ for type of policy and class group, and $Z = \sqrt{P/5,500}$ for state(in this case, P is the 5 year occurrence total for a given state). Credibility-weighted relative changes are then calculated as follows:

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

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:

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

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

MONOLINE
INDICATIONS --
PREMISES/
OPERATIONS

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

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

Territory applies to Owners, Landlords and Tenants only.

MONOLINE
INDICATIONS --
PRODUCTS

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

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

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

MONOLINE
INDICATIONS --
LOCAL PRODUCTS/
COMPLETED
OPERATIONS

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

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

EXPLANATORY NOTES TO

IMPLICIT PACKAGE MODIFICATION FACTORS

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

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

EXPLANATION OF EXPOSURE DEVELOPMENT

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

APPLICATION OF EXPOSURE DEVELOPMENT FACTORS	The earned exposures underlying the Premises/Operations statewide loss cost level indications are evaluated as of September 30, 2017. Products/Completed Operations data is evaluated as of March 31, 2017.

For example, the accident year ending December 31, 2016 includes all exposures earned during the period from January 1, 2016 through December 31, 2016.

The immature experience reported as of 15 and 27 months for accident years ending 6/30/2017 and 6/30/2016 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, 2017 for Premises/ Operations and March 31, 2017 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. |

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.

<u>EXPLANATION OF LOSS DEVELOPMENT</u>

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, 2017. Products/Completed Operations data is evaluated as of March 31, 2017.

For example, the accident year ending December 31, 2016 includes all losses and allocated loss adjustment expenses paid on accidents occurring from January 1, 2016 through December 31, 2016 and all losses and loss adjustment expenses outstanding on those policies as of March 31, 2017, 15 months after the inception of the accident year.

The immature experience reported as of 15, 27 and 39 months for accident years ending 6/30/2017, 6/30/2016 and 6/30/2015 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, 2017 evaluated as of September 30, 2017. 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,

Ultimate ALAE = (Incurred ALAE at 15 months) + (sum of incremental ALAE percentages) * (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
1992	A	G	L	P	S	U	Z*
1993	B	H	M	Q	T	Y*	
1994	C	I	N	R	X*	Y*	
1995	D	J	O	W*	X*	Y*	
1996	E	K	V*	W*	X*	Y*	
1997	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:

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

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

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

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

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

If BTOF5 > 1.0 and (0.8 * Log (BTOF5)) $\geq$ Log (BTOF6) $\geq$ 0.0
Or BTOF5 < 1.0 and (0.8 * Log ((BTOF5)) $\leq$ Log (BTOF6) $\leq$ 0.0
Then P5 = Log (BTOF6) / (Log(BTOF5) - Log (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

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.

Starting with the 2011 review, experience for CMP Liability has been included with the data used to select the ULAE factor.

For this review the factor is 1.085.

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. For M&C, exposures are forecasted based upon econometric models for sales by manufacturers and average hourly earnings of contracting workers developed by Moody's Analytics. For OL&T Class Group 16 exposures are forecasted based upon econometric models of a year-ended quarterly price deflator of state and local government expenditures developed by Moody's Analytics. The exposure trend for OL&T Class Groups 1-13 is based upon the average annual growth rates in consumption components. This data was also supplied by Moody's Analytics. For Premises/Operations exposure trend detail, see Section E - Trend Data.

For Products/Completed Operations, exposures are forecasted based upon econometric models for sales by manufacturers for products and local products classes and average hourly earnings of contracting workers for completed operations classes developed by Moody's Analytics 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 6/30/2004-6/30/2017. For Products/Completed Operations, these pages display the frequency data for CGL only for accident years ending 12/31/2003-12/31/2016. The Premises/Operations experience includes occurrences arising from fringe coverages. In this review, multistate number of occurrences contained in the trend exhibits are based on reported paid counts 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 negative frequency trends for Manufacturers and Contractors and Owners, Landlords and Tenants. We have selected a negative frequency trend for Products, while for Local Products/ Completed Operations, we continue to select 0.0% given the limited trend and cyclicality going back to 2003. 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

TABLE OF CONTENTS

Determination of Indicated Loss Cost Level Change:

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

(1)	(2)	(3)	(4)	(5)	(6)
		$100,000			
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
06/30/2015	$13,627,733	$15,215,307	0.20	1.116	577
06/30/2016	13,685,847	13,225,296	0.30	0.966	602
06/30/2017	14,353,980	13,383,338	0.50	0.932	635

(7) WEIGHTED EXPERIENCE RATIO 0.979

(8) EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C)........................ 1.011

(9) CREDIBILITY BASED ON LATEST THREE YEARS NUMBER OF INCURRED
     OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS)...............   0.53

(10) CREDIBILITY-WEIGHTED EXPERIENCE RATIO
      {(7) X (9)} + {(8) X {1.0 -(9)}}................................. 0.994

(11) INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE
      {(10)-1} X 100%.. - 0.6 %

(12) STATEWIDE INDICATED MONOLINE CHANGE
      (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)............ + 1.0 %

(13) STATEWIDE SELECTED MONOLINE CHANGE................................ + 1.0 %

(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 06/01/2019.
     FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.011). THE NET TREND IS THE
     ANNUAL NET TREND FACTOR (1.011) TO AN EXPONENT (1.000), THE PERIOD
     FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (06/01/2019) TO ONE
     YEAR BEYOND THE ASSUMED EFFECTIVE DATE (06/01/2020).

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

(1)	(2)	(3)	(4)	(5)	(6)
		$100,000			
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
06/30/2015	$15,987,209	$17,222,855	0.20	1.077	1,038
06/30/2016	17,163,011	17,067,148	0.30	0.994	1,066
06/30/2017	18,130,795	18,167,282	0.50	1.002	1,188

(7) WEIGHTED EXPERIENCE RATIO 1.015

(8) EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C)........................ 1.022

(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)}}................................. 1.017

(11) INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE
     {(10)-1} X 100%... + 1.7 %

(12) STATEWIDE INDICATED MONOLINE CHANGE
     (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)........... + 3.4 %

(13) STATEWIDE SELECTED MONOLINE CHANGE............................... + 3.4 %

(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 06/01/2019.
     FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.022). THE NET TREND IS THE
     ANNUAL NET TREND FACTOR (1.022) TO AN EXPONENT (1.000), THE PERIOD
     FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (06/01/2019) TO ONE
     YEAR BEYOND THE ASSUMED EFFECTIVE DATE (06/01/2020).

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

(1)	(2)	(3) $100,000	(4)	(5)	(6)
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL(A)	BASIC LIMITS INCURRED LOSSES(B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
12/31/2014	$133,328,352	$150,998,819	0.20	1.133	2,446
12/31/2015	140,789,345	133,116,024	0.30	0.945	2,245
12/31/2016	148,806,857	132,992,946	0.50	0.894	2,227

```
    (7)   WEIGHTED EXPERIENCE RATIO ........................................   0.957


    (8)   INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE
                   {(7)-1.00}X 100% ................................... -  4.3 %


    (9)   INDICATED MULTISTATE MONOLINE CHANGE .............................. -  8.0 %
          (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)


    (10)  INDICATED STATEWIDE MONOLINE CHANGE (SEE FOOTNOTE C).............. -  7.4 %


    (11)  SELECTED STATEWIDE MONOLINE CHANGE................................ -  7.4 %
```

(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
      07/01/2018.

(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)
		MULTISTATE			
	MULTISTATE	$100,000			
ACCIDENT	AGGREGATE LOSS	BASIC LIMIT			NUMBER OF
YEAR	COSTS AT	INCURRED	YEAR	EXPERIENCE	INCURRED
ENDING	CURRENT LEVEL (A)	LOSSES (B)	WEIGHTS	RATIO	OCCURRENCES
12/31/2014	328,333,732	320,317,104	0.20	0.976	6,648
12/31/2015	340,894,232	326,286,236	0.30	0.957	6,297
12/31/2016	356,818,809	291,183,734	0.50	0.816	5,957

(7)   WEIGHTED EXPERIENCE RATIO..   0.890

(8)   INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE
                        {(7)- 1.00} x 100%.................. - 11.0 %

(9)   INDICATED MULTISTATE MONOLINE CHANGE
      (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)............ - 10.4 %

(10) INDICATED STATEWIDE MONOLINE CHANGE (C)
      (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)............ - 14.0 %

(11) SELECTED STATEWIDE MONOLINE CHANGE................................ - 14.0 %

(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
      07/01/2018

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

SECTION D

RELATIVE CHANGE ANALYSIS

TABLE OF CONTENTS

```
                          TENNESSEE
                 MANUFACTURERS AND CONTRACTORS
               BASIC LIMIT RELATIVE CHANGE ANALYSIS
               ------------------------------------


            (1)          (2)          (3)          (4)
          BAILEY                                                STATEWIDE
          FORMULA    CREDIBILITY    Z-WTD       BALANCED        COVERAGE
   TOP    RELATIV.       Z         RELATIV.     RELATIV.       IND. OF 0.994
                                                               OR  - 0.6%
   10      1.056       0.256        1.014        1.016


   33      2.257       0.045        1.037        1.040
   34      0.395       0.090        0.920        0.922
   35      1.554       0.064        1.029        1.031
   36      0.807       0.132        0.972        0.974


   37      1.841       0.098        1.062        1.064
   38      0.894       0.245        0.973        0.975
                                                                  (5)
                                                               INDICATED
                                                               MONOLINE
   CLASS                                                         CHANGE
   GROUP
   30      0.933       0.119        0.992        0.991       +    0.1%
   31      1.539       0.196        1.088        1.087       +    9.9%
   32      0.940       0.242        0.985        0.984       -    0.5%


   33      1.403       0.131        1.045        1.045       +    5.5%
   34      1.383       0.131        1.043        1.043       +    5.3%
   35      0.815       0.034        0.993        0.992       +    0.3%


   36      0.292       0.076        0.911        0.910       -    8.0%
   37      0.327       0.051        0.945        0.944       -    4.6%
   38      1.043       0.110        1.005        1.004       +    1.4%


                       OVERALL MONOLINE INDICATION +   1.0%
                       -------------------------- --------
```

* 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


                                   (1)             (2)           (3)       (4)        (5)        (6)
                              FISCAL A.Y.E.    FISCAL A.Y.E.
                           06/30/2017 AGGREGATE  2013 - 2017   FIVE YEAR
                              LOSS COSTS AT   AGG LOSS COST   EXPERIENCE            NUMBER OF   BAL CELL
       TYPE OF POLICY        CLASS GROUP      CURRENT LEVEL  CURRENT LEVEL   RATIO   RELATIV.  OCCURRENCES  RELATIV.

10 MONOLINE            30 SERVICE              $315,255      $1,324,780     0.818    0.842        87        1.007
                       31 LIGHT CONTRACTING     517,249       2,423,763     1.663    1.711       309        1.105
                       32 MEDIUM CONTRCTING   2,538,756      12,414,845     1.006    1.035       558        1.001
                       33 HEAVY CONTRACTING     449,240       1,825,396     1.040    1.071        76        1.062
                       34 DEALER OR DISTRIB     214,126         889,814     1.234    1.269        51        1.060
                       35 LGT. MANUFACTURER      76,549         286,712     0.560    0.576         5        1.009
                       36 MED. MANUFACTURER     330,690       1,324,976     0.469    0.482        22        0.925
                       37 HVY. MANUFACTURER     129,553         620,707     0.242    0.249         8        0.959
                       38 MISC. OPERATION       298,339       1,307,009     1.388    1.428        65        1.020
                          TOTAL *            $4,869,757     $22,418,002     1.036                1,181

33 MULT OFFICE         31 LIGHT CONTRACTING      $5,576        $132,265     0.798    0.821         4        1.131
                       32 MEDIUM CONTRCTING       2,122          19,003     0.000    0.000         0        1.024
                       33 HEAVY CONTRACTING      78,398         483,173     4.076    4.194        20        1.086
                       38 MISC. OPERATION        76,932         301,691     1.513    1.557        13        1.044
                          TOTAL *             $163,028        $936,132     2.701                  37

34 MULT MERCANTILE     30 SERVICE               $44,646        $250,225     0.155    0.160         2        0.914
                       32 MEDIUM CONTRCTING     100,419         514,264     0.062    0.064         7        0.908
                       34 DEALER OR DISTRIB     462,177       2,178,277     0.608    0.626       111        0.961
                       36 MED. MANUFACTURER          31             545     0.000    0.000         0        0.839
                       38 MISC. OPERATION        38,620         171,722     0.475    0.489        27        0.925
                          TOTAL *             $645,893      $3,115,033     0.484                 147

35 MULT INSTITUT.      31 LIGHT CONTRACTING     $10,487         $45,586     0.719    0.740         2        1.121
                       32 MEDIUM CONTRCTING     289,955       1,265,288     1.477    1.520        73        1.015
                          TOTAL *             $300,442      $1,310,874     1.451                  75

36 MULT SERVICES       30 SERVICE               $57,798        $305,831     1.370    1.410        24        0.966
                       31 LIGHT CONTRACTING     147,312         749,610     1.099    1.131        40        1.060
                       32 MEDIUM CONTRCTING     120,845         571,395     0.047    0.048         4        0.959
                       33 HEAVY CONTRACTING      23,670          85,766     2.489    2.561         4        1.018
                       34 DEALER OR DISTRIB     487,166       2,237,652     1.045    1.075       140        1.016
                       36 MED. MANUFACTURER       2,655          16,613     0.394    0.405         1        0.887
                       38 MISC. OPERATION       563,957       2,303,954     0.905    0.931       103        0.978
                          TOTAL *           $1,403,403      $6,270,821     0.945                 316
```

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


                                        (1)              (2)         (3)      (4)       (5)        (6)
                                    FISCAL A.Y.E.    FISCAL A.Y.E.
                                 06/30/2017 AGGREGATE   2013 - 2017  FIVE YEAR
                                    LOSS COSTS AT    AGG LOSS COST  EXPERIENCE          NUMBER OF   BAL CELL
       TYPE OF POLICY            CLASS GROUP          CURRENT LEVEL   CURRENT LEVEL   RATIO   RELATIV.  OCCURRENCES  RELATIV.

37 MULT INDUST/PROC.     31 LIGHT CONTRACTING              $91             $441     0.000   0.000         0        1.157
                         32 MEDIUM CONTRCTING           77,015          486,184     0.998   1.027        18        1.048
                         33 HEAVY CONTRACTING           37,817          208,089     5.068   5.215         9        1.112
                         34 DEALER OR DISTRIB            5,031           55,879     7.079   7.284         8        1.109
                         35 LGT. MANUFACTURER         129,752          517,785     1.621   1.668        17        1.056
                         36 MED. MANUFACTURER       1,076,269        4,880,077     0.470   0.484        81        0.968
                         37 HVY. MANUFACTURER         573,455        2,504,506     0.606   0.623        39        1.004
                         38 MISC. OPERATION            27,858          118,890     0.287   0.295         4        1.068
                            TOTAL *                 $1,927,288       $8,771,851     0.714                176

38 MULT CONTRACTORS      30 SERVICE                   $875,768       $4,406,999     0.828   0.852       142        0.966
                         31 LIGHT CONTRACTING         948,701        4,580,484     1.341   1.379       339        1.060
                         32 MEDIUM CONTRCTING       2,141,498       10,329,514     0.840   0.864       396        0.960
                         33 HEAVY CONTRACTING       1,002,998        4,761,351     1.190   1.224       203        1.019
                         38 MISC. OPERATION            98,204          390,894     0.470   0.484         8        0.979
                            TOTAL *                 $5,067,169      $24,469,242     0.994              1,088

TOTAL ALL    TOP         30 SERVICE                 $1,293,467       $6,287,835     0.827               255
                         31 LIGHT CONTRACTING       1,629,416        7,932,149     1.415               694
                         32 MEDIUM CONTRCTING       5,270,610       25,600,493     0.924             1,056
                         33 HEAVY CONTRACTING       1,592,123        7,363,775     1.401               312
                         34 DEALER OR DISTRIB       1,168,500        5,361,622     0.933               310
                         35 LGT. MANUFACTURER         206,301          804,497     1.227                22
                         36 MED. MANUFACTURER       1,409,645        6,222,211     0.470               104
                         37 HVY. MANUFACTURER         703,008        3,125,213     0.539                47
                         38 MISC. OPERATION         1,103,910        4,594,160     1.009               220
                            TOTAL *                $14,376,980      $67,291,955     0.972             3,020
```

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

```
                         TENNESSEE
                OWNERS, LANDLORDS AND TENANTS
               BASIC LIMIT RELATIVE CHANGE ANALYSIS
               ------------------------------------

              (1)          (2)          (3)          (4)
            BAILEY                                              STATEWIDE
            FORMULA    CREDIBILITY    Z-WTD       BALANCED      COVERAGE
    TOP     RELATIV.        Z        RELATIV.     RELATIV.      IND. OF 1.017
                                                               OR  + 1.7%

    10       1.018       0.249        1.004        1.014

    31       2.504       0.181        1.181        1.192
    32       0.935       0.095        0.994        1.003
    33       1.009       0.196        1.002        1.011
    34       0.778       0.304        0.927        0.936

    35       1.140       0.202        1.027        1.037
    36       0.905       0.158        0.984        0.994
                                                                 (5)
                                                              INDICATED
                                                              MONOLINE
  CLASS                                                        CHANGE
  GROUP
    01       1.101       0.157        1.015        1.022      +    5.0%
    02       1.024       0.230        1.006        1.012      +    4.4%
    03       1.131       0.127        1.016        1.022      +    5.1%

    04       0.708       0.037        0.987        0.994      +    2.8%
    05       1.000       0.045        1.000        1.006      +    3.9%
    06       0.594       0.075        0.962        0.968      +    0.1%

    07       1.778       0.139        1.083        1.090      +   12.2%
    08       0.355       0.043        0.956        0.963      -    0.8%
    09       0.876       0.207        0.973        0.979      +    1.3%

    10       1.004       0.201        1.001        1.007      +    4.2%
    11       1.270       0.116        1.028        1.035      +    7.8%
    12       0.874       0.268        0.965        0.971      +    0.4%

    13       1.060       0.080        1.005        1.011      +    4.5%
    16       0.346       0.023        0.976        0.982      +    0.5%


                     OVERALL MONOLINE INDICATION +    3.4%
                     --------------------------- --------
```

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

```
                              TENNESSEE
                   OWNERS, LANDLORDS AND TENANTS
                   BASIC LIMIT RELATIVE CHANGE ANALYSIS
                   -----------------------------------


                 (1)          (2)         (3)          (4)          (5)
               BAILEY
               FORMULA    CREDIBILITY   Z-WTD      BALANCED     INDICATED
    TERRITORY  RELATIV.        Z       RELATIV.    RELATIV.   MONOLINE CHG.
       501      1.167        0.205      1.032        1.037      +   6.8%
       503      0.996        0.295      0.999        1.003      +   3.2%
       504      0.826        0.114      0.978        0.983      +   1.8%
       505      0.969        0.398      0.987        0.992      +   2.6%
```

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

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


       TERRITORY      501
                                          (1)            (2)          (3)       (4)       (5)        (6)
                                       FISCAL A.Y.E.   FISCAL A.Y.E.
                                    06/30/2017 AGGREGATE 2013 - 2017  FIVE YEAR
                                       LOSS COSTS AT   AGG LOSS COST EXPERIENCE          NUMBER OF  BAL CELL
       TYPE OF POLICY                   CLASS GROUP    CURRENT LEVEL CURRENT LEVEL RATIO  RELATIV. OCCURRENCES RELATIV.

10 MONOLINE                 01 FOOD&BEV.(RETAIL)         $17,538      $113,555     4.347   4.304      22      1.075
                            02 RESTAURANTS                60,078       238,610     1.272   1.259      26      1.064
                            03 STORES                      8,641        61,187     3.537   3.502      10      1.075
                            04 VENDING & RENTAL            3,924        11,546     0.000   0.000       0      1.045
                            05 FOOD & BEV. DIST.           6,756        20,461     0.369   0.365       3      1.058
                            06 NON-FOOD&BEV.DIST          13,870        68,331     0.000   0.000       0      1.018
                            07 CLUBS,AMSMT&SPRTS          20,759       148,548     7.362   7.290      28      1.147
                            08 HEALTH CARE FACIL           4,566        22,363     0.485   0.480       0      1.012
                            09 HOTELS AND MOTELS          87,289       217,805     2.152   2.131      37      1.030
                            10 SCHLS & CHURCHES           84,006       461,999     0.666   0.659      13      1.059
                            11 APARTMENTS                342,672       761,190     1.297   1.284      15      1.088
                            12 BUILDINGS&OFFICES         282,622     1,318,778     0.578   0.572      51      1.021
                            13 MISC. PREMISES              1,614        23,257     0.000   0.000       0      1.063
                               TOTAL *                  $934,335    $3,467,630     1.276             205

31 MULT MOTEL/HOTEL         09 HOTELS AND MOTELS        $118,815      $541,605     3.425   3.391      60      1.211
                               TOTAL *                  $118,815      $541,605     3.425              60

32 MULT APARTMENT           11 APARTMENTS                $73,819      $471,756     1.801   1.783      31      1.077
                            12 BUILDINGS&OFFICES           4,240        32,412     0.000   0.000       0      1.010
                               TOTAL *                   $78,059      $504,168     1.703              31

33 MULT OFFICE              12 BUILDINGS&OFFICES        $393,798    $2,343,873     0.653   0.646      94      1.018
                            13 MISC. PREMISES              1,242         5,904     0.418   0.414       1      1.061
                               TOTAL *                  $395,040    $2,349,777     0.652              95

34 MULT MERCANTILE          01 FOOD&BEV.(RETAIL)         $87,819      $655,230     1.790   1.772      80      0.991
                            02 RESTAURANTS               257,181     1,097,860     1.126   1.115      82      0.982
                            03 STORES                     68,421       322,278     1.139   1.128      22      0.992
                            04 VENDING & RENTAL            1,583         3,949     0.000   0.000       0      0.964
                            05 FOOD & BEV. DIST.          17,450        81,932     1.784   1.766      13      0.976
                            06 NON-FOOD&BEV.DIST          59,331       279,563     0.440   0.435      10      0.939
                            12 BUILDINGS&OFFICES         180,032     1,031,736     0.657   0.650      32      0.942
                               TOTAL *                  $671,817    $3,472,548     1.042             239
```

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

         TERRITORY     501
                                             (1)           (2)        (3)      (4)        (5)       (6)
                                          FISCAL A.Y.E.  FISCAL A.Y.E.
                                          06/30/2017 AGGREGATE  2013 - 2017   FIVE YEAR
                                          LOSS COSTS AT  AGG LOSS COST  EXPERIENCE          NUMBER OF  BAL CELL
         TYPE OF POLICY            CLASS GROUP    CURRENT LEVEL  CURRENT LEVEL   RATIO    RELATIV.  OCCURRENCES  RELATIV.

35 MULT INSTITUT.      07 CLUBS,AMSMT&SPRTS           $6,807        $27,585     0.000     0.000          0      1.172
                      08 HEALTH CARE FACIL           11,238        69,470      0.325     0.322          5      1.035
                      10 SCHLS & CHURCHES           168,424       853,546      1.129     1.118         65      1.083
                      12 BUILDINGS&OFFICES               18           930      0.000     0.000          0      1.044
                         TOTAL *                   $186,487      $951,531      1.039                    70

36 MULT SERVICES      03 STORES                      $3,009       $15,800      3.869     3.831          4      1.054
                      04 VENDING & RENTAL            13,189        57,567      0.148     0.147          2      1.024
                      07 CLUBS,AMSMT&SPRTS           41,297       192,805      0.263     0.261          5      1.124
                      08 HEALTH CARE FACIL               51           158      0.000     0.000          0      0.992
                      09 HOTELS AND MOTELS           12,004        63,054      0.000     0.000          0      1.009
                      10 SCHLS & CHURCHES               731         3,723      2.120     2.099          2      1.038
                      12 BUILDINGS&OFFICES           66,500       351,288      2.174     2.152         39      1.001
                      13 MISC. PREMISES              35,770       159,765      0.289     0.286         11      1.042
                         TOTAL *                   $172,551      $844,160      1.048                    63

TOTAL ALL    TOP      01 FOOD&BEV.(RETAIL)         $105,357      $768,785      2.215                   102
                      02 RESTAURANTS               317,259     1,336,470      1.154                   108
                      03 STORES                     80,071       399,265      1.500                    36
                      04 VENDING & RENTAL            18,696        73,062      0.105                     2
                      05 FOOD & BEV. DIST.           24,206       102,393      1.389                    16
                      06 NON-FOOD&BEV.DIST           73,201       347,894      0.356                    10
                      07 CLUBS,AMSMT&SPRTS           68,863       368,938      2.377                    33
                      08 HEALTH CARE FACIL           15,855        91,991      0.370                     5
                      09 HOTELS AND MOTELS          218,108       822,464      2.727                    97
                      10 SCHLS & CHURCHES           253,161     1,319,268      0.978                    80
                      11 APARTMENTS                 416,491     1,232,946      1.386                    46
                      12 BUILDINGS&OFFICES          927,210     5,079,017      0.737                   216
                      13 MISC. PREMISES              38,626       188,926      0.281                    12
                         TOTAL *                 $2,557,104   $12,131,419      1.198                   763




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

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


        TERRITORY      503
                                       (1)             (2)          (3)       (4)         (5)         (6)
                                   FISCAL A.Y.E.   FISCAL A.Y.E.
                                 06/30/2017 AGGREGATE  2013 - 2017   FIVE YEAR
                                   LOSS COSTS AT   AGG LOSS COST   EXPERIENCE            NUMBER OF    BAL CELL
        TYPE OF POLICY              CLASS GROUP    CURRENT LEVEL   CURRENT LEVEL  RATIO   RELATIV.   OCCURRENCES  RELATIV.

10 MONOLINE              01 FOOD&BEV.(RETAIL)        $74,468        $202,660      1.183    1.172         13        1.040
                         02 RESTAURANTS              201,657        889,536       0.735    0.728         55        1.030
                         03 STORES                   44,355         240,299       0.203    0.201          9        1.040
                         04 VENDING & RENTAL         14,776         43,893        0.000    0.000          0        1.011
                         05 FOOD & BEV. DIST.        15,103         63,915        0.357    0.353          4        1.024
                         06 NON-FOOD&BEV.DIST        23,918         90,571        0.256    0.254          1        0.985
                         07 CLUBS,AMSMT&SPRTS        65,959         274,985       3.556    3.522         42        1.109
                         08 HEALTH CARE FACIL        14,161         91,701        0.082    0.081          3        0.980
                         09 HOTELS AND MOTELS        369,938        1,237,494     0.626    0.620         80        0.996
                         10 SCHLS & CHURCHES         92,015         431,470       1.596    1.580         16        1.025
                         11 APARTMENTS               204,764        975,670       1.609    1.593         40        1.053
                         12 BUILDINGS&OFFICES        531,352        2,125,012     0.794    0.786        104        0.988
                         13 MISC. PREMISES           300,510        705,573       1.105    1.094         14        1.029
                            TOTAL *                 $1,952,976      $7,372,779     1.001                 381

31 MULT MOTEL/HOTEL      09 HOTELS AND MOTELS        $216,661       $960,979      1.593    1.578         92        1.171
                            TOTAL *                  $216,661       $960,979      1.593                  92

32 MULT APARTMENT        11 APARTMENTS               $225,634       $946,888      0.959    0.949         61        1.042
                         12 BUILDINGS&OFFICES        42,867         152,600       0.528    0.522          4        0.977
                            TOTAL *                  $268,501       $1,099,488    0.890                  65

33 MULT OFFICE           12 BUILDINGS&OFFICES        $1,173,436     $5,548,193    0.927    0.918        216        0.985
                         13 MISC. PREMISES           7,324          33,566        1.778    1.761          2        1.026
                            TOTAL *                  $1,180,760     $5,581,759    0.933                 218

34 MULT MERCANTILE       01 FOOD&BEV.(RETAIL)        $114,206       $697,212      0.839    0.831         40        0.959
                         02 RESTAURANTS              808,915        3,682,055     1.002    0.992        260        0.950
                         03 STORES                   230,994        989,254       1.342    1.329         97        0.960
                         04 VENDING & RENTAL         2,828          20,739        0.000    0.000          0        0.933
                         05 FOOD & BEV. DIST.        81,437         325,567       0.575    0.570          6        0.945
                         06 NON-FOOD&BEV.DIST        185,475        990,801       0.618    0.612         57        0.909
                         12 BUILDINGS&OFFICES        274,485        1,257,854     0.724    0.717         52        0.911
                            TOTAL *                  $1,698,340     $7,963,482    0.928                 512
```

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

          TERRITORY      503
                                           (1)            (2)           (3)       (4)        (5)        (6)
                                       FISCAL A.Y.E.   FISCAL A.Y.E.
                                      06/30/2017 AGGREGATE  2013 - 2017  FIVE YEAR
                                       LOSS COSTS AT   AGG LOSS COST   EXPERIENCE            NUMBER OF   BAL CELL
          TYPE OF POLICY              CLASS GROUP        CURRENT LEVEL   CURRENT LEVEL   RATIO    RELATIV. OCCURRENCES  RELATIV.

35 MULT INSTITUT.          07 CLUBS,AMSMT&SPRTS           $0          $3,714        4.552     4.508         1       1.134
                           08 HEALTH CARE FACIL       55,200        282,115        0.442     0.438         6       1.001
                           10 SCHLS & CHURCHES       478,627      2,454,098        0.846     0.838       134       1.048
                           12 BUILDINGS&OFFICES        7,276         21,184        0.000     0.000         0       1.010
                           13 MISC. PREMISES              25             74        0.000     0.000         0       1.052
                                TOTAL *               $541,128     $2,761,185       0.794                 141

36 MULT SERVICES           03 STORES                 $26,105       $105,417        1.428     1.413         6       1.020
                           04 VENDING & RENTAL        74,752        274,514        0.916     0.907         3       0.991
                           07 CLUBS,AMSMT&SPRTS      186,716        672,567        0.896     0.888        66       1.087
                           08 HEALTH CARE FACIL        1,507          9,917        0.000     0.000         0       0.960
                           09 HOTELS AND MOTELS        1,898         14,485        0.000     0.000         0       0.977
                           10 SCHLS & CHURCHES         2,169          7,208        0.000     0.000         0       1.005
                           12 BUILDINGS&OFFICES      102,114        595,288        2.475     2.451        45       0.968
                           13 MISC. PREMISES          83,894        397,076        0.947     0.937        40       1.009
                                TOTAL *               $479,155     $2,076,472       1.263                 160

TOTAL ALL    TOP           01 FOOD&BEV.(RETAIL)     $188,674       $899,872        0.975                  53
                           02 RESTAURANTS          1,010,572      4,571,591        0.949                 315
                           03 STORES                301,454      1,334,970        1.182                 112
                           04 VENDING & RENTAL       92,356        339,146        0.741                   3
                           05 FOOD & BEV. DIST.      96,540        389,482        0.541                  10
                           06 NON-FOOD&BEV.DIST     209,393      1,081,372        0.577                  58
                           07 CLUBS,AMSMT&SPRTS     252,675        951,266        1.591                 109
                           08 HEALTH CARE FACIL      70,868        383,733        0.361                   9
                           09 HOTELS AND MOTELS     588,497      2,212,958        0.980                 172
                           10 SCHLS & CHURCHES      572,811      2,892,776        0.963                 150
                           11 APARTMENTS            430,398      1,922,558        1.268                 101
                           12 BUILDINGS&OFFICES   2,131,530      9,700,131        0.931                 421
                           13 MISC. PREMISES        391,753      1,136,289        1.084                  56
                                TOTAL *             $6,337,521    $27,816,144       0.986                1,569



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

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


            TERRITORY      504
                                              (1)              (2)          (3)       (4)        (5)          (6)
                                          FISCAL A.Y.E.    FISCAL A.Y.E.
                                       06/30/2017 AGGREGATE  2013 - 2017   FIVE YEAR
                                        LOSS COSTS AT    AGG LOSS COST    EXPERIENCE            NUMBER OF    BAL CELL
            TYPE OF POLICY             CLASS GROUP           CURRENT LEVEL   CURRENT LEVEL   RATIO   RELATIV.  OCCURRENCES  RELATIV.
```

TYPE OF POLICY	CLASS GROUP	(1) LOSS COSTS AT CURRENT LEVEL	(2) AGG LOSS COST CURRENT LEVEL	(3) RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	01 FOOD&BEV.(RETAIL)	$73,373	$117,421	1.007	0.997	9	1.019
	02 RESTAURANTS	6,766	77,412	0.150	0.148	2	1.009
	03 STORES	4,267	17,026	0.555	0.550	3	1.019
	04 VENDING & RENTAL	1,111	4,719	0.000	0.000	0	0.991
	05 FOOD & BEV. DIST.	5,237	25,200	0.000	0.000	0	1.003
	06 NON-FOOD&BEV.DIST	10,684	14,701	1.028	1.018	1	0.965
	07 CLUBS,AMSMT&SPRTS	13,450	62,900	1.067	1.057	4	1.087
	08 HEALTH CARE FACIL	117	577	0.000	0.000	0	0.960
	09 HOTELS AND MOTELS	2,823	25,484	0.319	0.316	2	0.976
	10 SCHLS & CHURCHES	7,231	30,979	0.083	0.083	2	1.004
	11 APARTMENTS	16,342	53,566	0.520	0.515	5	1.032
	12 BUILDINGS&OFFICES	29,233	131,393	2.026	2.006	14	0.968
	13 MISC. PREMISES	678	1,720	0.000	0.000	0	1.008
	TOTAL *	$171,312	$563,098	1.003		42	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	$16,279	$74,400	0.202	0.200	6	1.148
	TOTAL *	$16,279	$74,400	0.202		6	
32 MULT APARTMENT	11 APARTMENTS	$16,830	$76,876	0.152	0.150	1	1.021
	12 BUILDINGS&OFFICES	1,869	8,243	0.000	0.000	0	0.958
	TOTAL *	$18,699	$85,119	0.137		1	
33 MULT OFFICE	12 BUILDINGS&OFFICES	$159,348	$686,362	1.295	1.282	59	0.965
	13 MISC. PREMISES	1,148	3,907	0.000	0.000	0	1.005
	TOTAL *	$160,496	$690,269	1.286		59	
34 MULT MERCANTILE	01 FOOD&BEV.(RETAIL)	$9,078	$46,610	3.181	3.150	5	0.940
	02 RESTAURANTS	121,687	547,810	0.326	0.323	28	0.931
	03 STORES	51,984	222,414	0.147	0.145	4	0.940
	04 VENDING & RENTAL	75	10,951	0.156	0.154	1	0.914
	05 FOOD & BEV. DIST.	4,699	16,408	0.473	0.468	1	0.926
	06 NON-FOOD&BEV.DIST	6,974	31,175	0.294	0.291	1	0.890
	12 BUILDINGS&OFFICES	32,721	158,599	0.379	0.375	10	0.893
	TOTAL *	$227,218	$1,033,967	0.409		50	

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


        TERRITORY     504
                                           (1)            (2)        (3)      (4)       (5)        (6)
                                       FISCAL A.Y.E.   FISCAL A.Y.E.
                                    06/30/2017 AGGREGATE  2013 - 2017   FIVE YEAR
                                       LOSS COSTS AT   AGG LOSS COST  EXPERIENCE           NUMBER OF   BAL CELL
        TYPE OF POLICY                CLASS GROUP     CURRENT LEVEL   CURRENT LEVEL   RATIO    RELATIV.  OCCURRENCES  RELATIV.

35 MULT INSTITUT.       07 CLUBS,AMSMT&SPRTS          $6,341         $16,009      0.000    0.000         0       1.111
                        08 HEALTH CARE FACIL           8,068          38,226      3.678    3.642         4       0.981
                        10 SCHLS & CHURCHES           62,968         342,592      0.748    0.741        48       1.027
                        12 BUILDINGS&OFFICES             594           2,954      1.117    1.106         2       0.990
                               TOTAL *               $77,971        $399,781      0.993                 54

36 MULT SERVICES        03 STORES                    $6,582         $30,313      0.000    0.000         0       0.999
                        04 VENDING & RENTAL           3,796          18,322      0.509    0.504         4       0.971
                        07 CLUBS,AMSMT&SPRTS         33,960         130,069      1.761    1.744        14       1.065
                        08 HEALTH CARE FACIL             25              25      0.000    0.000         0       0.941
                        09 HOTELS AND MOTELS          1,845           8,679      0.000    0.000         0       0.957
                        10 SCHLS & CHURCHES             112           1,093      0.000    0.000         0       0.984
                        12 BUILDINGS&OFFICES         14,628          49,929      0.107    0.106         4       0.949
                        13 MISC. PREMISES             7,564          37,435      0.016    0.016         1       0.988
                               TOTAL *               $68,512        $275,865      0.926                 23

TOTAL ALL    TOP        01 FOOD&BEV.(RETAIL)         $82,451        $164,031      1.247                 14
                        02 RESTAURANTS              128,453         625,222      0.317                 30
                        03 STORES                    62,833         269,753      0.159                  7
                        04 VENDING & RENTAL           4,982          33,992      0.390                  5
                        05 FOOD & BEV. DIST.          9,936          41,608      0.224                  1
                        06 NON-FOOD&BEV.DIST         17,658          45,876      0.738                  2
                        07 CLUBS,AMSMT&SPRTS         53,751         208,978      1.380                 18
                        08 HEALTH CARE FACIL          8,210          38,828      3.614                  4
                        09 HOTELS AND MOTELS         20,947         108,563      0.200                  8
                        10 SCHLS & CHURCHES          70,311         374,664      0.679                 50
                        11 APARTMENTS                33,172         130,442      0.333                  6
                        12 BUILDINGS&OFFICES        238,393       1,037,480      1.175                 89
                        13 MISC. PREMISES             9,390          43,062      0.013                  1
                               TOTAL *              $740,487      $3,122,499      0.834                235




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

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


        TERRITORY      505
                                        (1)            (2)          (3)      (4)       (5)       (6)
                                    FISCAL A.Y.E.  FISCAL A.Y.E.
                                  06/30/2017 AGGREGATE  2013 - 2017   FIVE YEAR
                                    LOSS COSTS AT  AGG LOSS COST  EXPERIENCE        NUMBER OF  BAL CELL
        TYPE OF POLICY                 CLASS GROUP   CURRENT LEVEL  CURRENT LEVEL    RATIO    RELATIV.  OCCURRENCES  RELATIV.

10 MONOLINE                01 FOOD&BEV.(RETAIL)      $438,143       $1,039,287     0.750    0.743       67      1.028
                           02 RESTAURANTS             171,679          857,875     1.426    1.412       76      1.018
                           03 STORES                  101,239          362,037     1.467    1.453       24      1.029
                           04 VENDING & RENTAL          7,811           48,770     0.027    0.027        0      1.000
                           05 FOOD & BEV. DIST.        26,131          137,711     3.591    3.556        5      1.013
                           06 NON-FOOD&BEV.DIST        41,338          174,783     0.370    0.367        5      0.974
                           07 CLUBS,AMSMT&SPRTS       158,959          788,879     2.801    2.773       62      1.097
                           08 HEALTH CARE FACIL         6,866           62,479     0.000    0.000        0      0.968
                           09 HOTELS AND MOTELS       104,120          352,780     1.102    1.091       63      0.985
                           10 SCHLS & CHURCHES        123,147          589,693     0.648    0.642       32      1.013
                           11 APARTMENTS              202,967          850,043     1.295    1.282       39      1.041
                           12 BUILDINGS&OFFICES       565,384        2,053,318     0.685    0.678       99      0.977
                           13 MISC. PREMISES           50,157          186,465     0.734    0.727       18      1.017
                              TOTAL *               $1,997,941       $7,504,120     1.080               490

31 MULT MOTEL/HOTEL        09 HOTELS AND MOTELS      $479,356       $2,075,386     2.269    2.247      433      1.158
                              TOTAL *                 $479,356       $2,075,386     2.269               433

32 MULT APARTMENT          11 APARTMENTS             $208,733         $977,841     1.420    1.406       54      1.030
                           12 BUILDINGS&OFFICES        24,027          103,505     0.853    0.845       14      0.966
                              TOTAL *                 $232,760       $1,081,346     1.362                68

33 MULT OFFICE             12 BUILDINGS&OFFICES    $1,274,777       $5,883,332     0.879    0.871      321      0.974
                           13 MISC. PREMISES            7,415           40,529     0.000    0.000        0      1.015
                              TOTAL *               $1,282,192       $5,923,861     0.874               321

34 MULT MERCANTILE         01 FOOD&BEV.(RETAIL)      $628,976       $4,209,594     0.839    0.831      208      0.948
                           02 RESTAURANTS           1,238,170        6,591,617     0.639    0.633      428      0.939
                           03 STORES                  549,516        2,250,740     0.647    0.641      100      0.949
                           04 VENDING & RENTAL          7,423           23,788     0.000    0.000        0      0.922
                           05 FOOD & BEV. DIST.        69,091          342,324     0.107    0.106        5      0.934
                           06 NON-FOOD&BEV.DIST       177,973          904,308     0.455    0.450       27      0.898
                           12 BUILDINGS&OFFICES       417,057        2,205,417     0.678    0.671       97      0.901
                              TOTAL *               $3,088,206      $16,527,788     0.662               865
```

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


        TERRITORY      505
                                         (1)            (2)        (3)       (4)       (5)        (6)
                                     FISCAL A.Y.E.   FISCAL A.Y.E.
                                   06/30/2017 AGGREGATE  2013 - 2017  FIVE YEAR
                                     LOSS COSTS AT   AGG LOSS COST  EXPERIENCE           NUMBER OF   BAL CELL
        TYPE OF POLICY                CLASS GROUP    CURRENT LEVEL  CURRENT LEVEL  RATIO   RELATIV.  OCCURRENCES  RELATIV.

35 MULT INSTITUT.      07 CLUBS,AMSMT&SPRTS          $26,533        $106,283      1.431    1.417        22        1.121
                      08 HEALTH CARE FACIL            95,282         568,115      0.182    0.180        16        0.990
                      10 SCHLS & CHURCHES            526,746       2,603,593      1.577    1.562       420        1.036
                      12 BUILDINGS&OFFICES             4,243          21,923      0.317    0.314         3        0.999
                      13 MISC. PREMISES                 552           4,493      0.000    0.000         0        1.040
                      16 GOVT SUBDIVISIONS          191,632         956,124      0.386    0.383        10        1.010
                         TOTAL *                    $844,988      $4,260,531      1.138                471

36 MULT SERVICES      03 STORES                      $53,956        $308,665      1.255    1.243        14        1.008
                      04 VENDING & RENTAL             36,639         210,177      1.021    1.011        15        0.980
                      07 CLUBS,AMSMT&SPRTS           327,293       1,439,353      1.113    1.102       105        1.075
                      08 HEALTH CARE FACIL              433            811      0.000    0.000         0        0.949
                      09 HOTELS AND MOTELS            11,638          53,582      0.350    0.347         3        0.966
                      10 SCHLS & CHURCHES              2,888           4,570      0.000    0.000         0        0.993
                      12 BUILDINGS&OFFICES            96,197         498,240      1.253    1.241        41        0.957
                      13 MISC. PREMISES               72,079         346,007      1.708    1.691        29        0.997
                         TOTAL *                    $601,123      $2,861,405      1.193                207

TOTAL ALL    TOP      01 FOOD&BEV.(RETAIL)        $1,067,119      $5,248,881      0.803                275
                      02 RESTAURANTS             1,409,849       7,449,492      0.735                504
                      03 STORES                   704,711       2,921,442      0.812                138
                      04 VENDING & RENTAL          51,873         282,735      0.725                 15
                      05 FOOD & BEV. DIST.         95,222         480,035      1.063                 10
                      06 NON-FOOD&BEV.DIST        219,311       1,079,091      0.439                 32
                      07 CLUBS,AMSMT&SPRTS        512,785       2,334,515      1.652                189
                      08 HEALTH CARE FACIL        102,581         631,405      0.169                 16
                      09 HOTELS AND MOTELS        595,114       2,481,748      2.027                499
                      10 SCHLS & CHURCHES         652,781       3,197,856      1.395                452
                      11 APARTMENTS               411,700       1,827,884      1.358                 93
                      12 BUILDINGS&OFFICES      2,381,685      10,765,735      0.812                575
                      13 MISC. PREMISES           130,203         577,494      1.228                 47
                      16 GOVT SUBDIVISIONS        191,632         956,124      0.386                 10
                         TOTAL *                 $8,526,566     $40,234,437      0.986              2,855




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

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

         TERRITORY      ALL
                                        (1)           (2)          (3)      (4)       (5)         (6)
                                    FISCAL A.Y.E.  FISCAL A.Y.E.
                                    06/30/2017 AGGREGATE 2013 - 2017  FIVE YEAR
                                    LOSS COSTS AT  AGG LOSS COST  EXPERIENCE         NUMBER OF   BAL CELL
       TYPE OF POLICY              CLASS GROUP     CURRENT LEVEL  CURRENT LEVEL  RATIO   RELATIV.  OCCURRENCES  RELATIV.

10 MONOLINE              01 FOOD&BEV.(RETAIL)        $603,522     $1,472,923    0.939               111
                         02 RESTAURANTS              440,180       2,063,433    1.069               159
                         03 STORES                   158,502         680,549    1.202                46
                         04 VENDING & RENTAL          27,622         108,928    0.008                 0
                         05 FOOD & BEV. DIST.         53,227         247,287    1.911                12
                         06 NON-FOOD&BEV.DIST         89,810         348,386    0.361                 7
                         07 CLUBS,AMSMT&SPRTS        259,127       1,275,312    3.268               136
                         08 HEALTH CARE FACIL         25,710         177,120    0.131                 3
                         09 HOTELS AND MOTELS        564,170       1,833,563    0.948               182
                         10 SCHLS & CHURCHES         306,399       1,514,141    0.924                63
                         11 APARTMENTS               766,745       2,640,469    1.363                99
                         12 BUILDINGS&OFFICES      1,408,591       5,628,501    0.732               268
                         13 MISC. PREMISES           352,959         917,015    1.045                32
                            TOTAL *               $5,056,564     $18,907,627    1.083             1,118

31 MULT MOTEL/HOTEL      09 HOTELS AND MOTELS        $831,111     $3,652,370    2.218               591
                            TOTAL *                 $831,111     $3,652,370    2.218               591

32 MULT APARTMENT        11 APARTMENTS               $525,016     $2,473,361    1.235               147
                         12 BUILDINGS&OFFICES         73,003         296,760    0.591                18
                            TOTAL *                 $598,019     $2,770,121    1.156               165

33 MULT OFFICE           12 BUILDINGS&OFFICES      $3,001,359    $14,461,760    0.890               690
                         13 MISC. PREMISES           17,129          83,906    0.791                 3
                            TOTAL *               $3,018,488    $14,545,666    0.890               693

34 MULT MERCANTILE       01 FOOD&BEV.(RETAIL)        $840,079     $5,608,646    0.964               333
                         02 RESTAURANTS            2,425,953      11,919,342    0.796               798
                         03 STORES                   900,915       3,784,686    0.834               223
                         04 VENDING & RENTAL          11,909          59,427    0.001                 1
                         05 FOOD & BEV. DIST.        172,677         766,231    0.507                25
                         06 NON-FOOD&BEV.DIST        429,753       2,205,847    0.521                95
                         12 BUILDINGS&OFFICES        904,295       4,653,606    0.677               191
                            TOTAL *               $5,685,581    $28,997,785    0.777             1,666
```

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


        TERRITORY    ALL
                                      (1)              (2)          (3)      (4)       (5)          (6)
                                  FISCAL A.Y.E.    FISCAL A.Y.E.
                                06/30/2017 AGGREGATE  2013 - 2017   FIVE YEAR
                                  LOSS COSTS AT    AGG LOSS COST  EXPERIENCE          NUMBER OF    BAL CELL
      TYPE OF POLICY              CLASS GROUP      CURRENT LEVEL  CURRENT LEVEL   RATIO   RELATIV.  OCCURRENCES   RELATIV.
```

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2013 - 2017 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS	$39,681	$153,591	0.957		23	
	08 HEALTH CARE FACIL	169,788	957,926	0.442		31	
	10 SCHLS & CHURCHES	1,236,765	6,253,829	1.191		667	
	12 BUILDINGS&OFFICES	12,131	46,991	0.166		5	
	13 MISC. PREMISES	577	4,567	0.000		0	
	16 GOVT SUBDIVISIONS	191,632	956,124	0.386		10	
	TOTAL *	$1,650,574	$8,373,028	1.007		736	
36 MULT SERVICES	03 STORES	$89,652	$460,195	1.301		24	
	04 VENDING & RENTAL	128,376	560,580	0.855		24	
	07 CLUBS,AMSMT&SPRTS	589,266	2,434,794	1.022		190	
	08 HEALTH CARE FACIL	2,016	10,911	0.000		0	
	09 HOTELS AND MOTELS	27,385	139,800	0.149		3	
	10 SCHLS & CHURCHES	5,900	16,594	0.263		2	
	12 BUILDINGS&OFFICES	279,439	1,494,745	1.859		129	
	13 MISC. PREMISES	199,307	940,283	1.069		81	
	TOTAL *	$1,321,341	$6,057,902	1.186		453	
TOTAL ALL TOP	01 FOOD&BEV.(RETAIL)	$1,443,601	$7,081,569	0.954		444	
	02 RESTAURANTS	2,866,133	13,982,775	0.838		957	
	03 STORES	1,149,069	4,925,430	0.921		293	
	04 VENDING & RENTAL	167,907	728,935	0.655		25	
	05 FOOD & BEV. DIST.	225,904	1,013,518	0.838		37	
	06 NON-FOOD&BEV.DIST	519,563	2,554,233	0.493		102	
	07 CLUBS,AMSMT&SPRTS	888,074	3,863,697	1.674		349	
	08 HEALTH CARE FACIL	197,514	1,145,957	0.397		34	
	09 HOTELS AND MOTELS	1,422,666	5,625,733	1.674		776	
	10 SCHLS & CHURCHES	1,549,064	7,784,564	1.135		732	
	11 APARTMENTS	1,291,761	5,113,830	1.311		246	
	12 BUILDINGS&OFFICES	5,678,818	26,582,363	0.859		1,301	
	13 MISC. PREMISES	569,972	1,945,771	1.045		116	
	16 GOVT SUBDIVISIONS	191,632	956,124	0.386		10	
	TOTAL *	$18,161,678	$83,304,499	1.010		5,422	

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

```
                                    TENNESSEE
                                    PRODUCTS
                       BASIC LIMIT RELATIVE CHANGE ANALYSIS
                       ------------------------------------


              (1)           (2)           (3)           (4)
            BAILEY                                                    MULTISTATE
            FORMULA     CREDIBILITY      Z-WTD        BALANCED         COVERAGE
   TOP      RELATIV.        Z           RELATIV.      RELATIV.      IND. OF 0.957
                                                                   OR  -   4.3%
   10       0.908         0.385         0.964         0.961


   34       1.062         0.394         1.024         1.021
   36       0.945         0.198         0.989         0.986
   37       1.036         0.541         1.019         1.017
                                                                    (5)           (6)           (7)
                                                                 INDICATED     INDICATED     SELECTED
                                                                 MULTISTATE    STATEWIDE     STATEWIDE
                                                                 MONOLINE      MONOLINE      MONOLINE
  CLASS                                                          CHANGE        CHANGE#*      CHANGE
  GROUP
    3       0.939         0.535         0.967         0.971     -   10.7%    -    8.4%    -    8.4%
    4       1.062         0.425         1.026         1.029     -    5.3%    -    5.6%    -    5.6%
    5       1.158         0.132         1.020         1.023     -    5.9%    -   14.5%    -   14.5%

    6       0.984         0.341         0.995         0.998     -    8.2%    -    6.9%    -    6.9%
    7       0.957         0.186         0.992         0.995     -    8.4%    -    8.0%    -    8.0%
                                        OVERALL MONOLINE INDICATION -  8.0%    -    7.4%    -    7.4%
                                        --------------------------- --------    --------    --------
```

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.

TYPE OF POLICY	CLASS GROUP	(1) CALENDAR A.Y.E. 12/31/2016 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2012 - 2016 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	$21,602,530	$83,447,793	0.852	0.787	1,581	0.933
	04 DLR,DST-NOTFD/DRG	9,679,270	41,811,675	1.278	1.182	666	0.990
	05 MAN.NTFD/DRG(LOW)	1,692,267	7,299,063	0.767	0.709	64	0.984
	06 MAN.NTFD/DRG(MED)	10,333,678	44,740,395	0.937	0.867	509	0.960
	07 MAN.NTFD/DRG(HGH)	2,805,495	12,365,722	1.011	0.935	148	0.957
	TOTAL *	$46,113,240	$189,664,648	0.967		2,968	
34 MULT MERCANTILE	03 MAN,DLR,DSTFD/DRG	$5,884,889	$28,782,063	1.470	1.359	936	0.991
	04 DLR,DST-NOTFD/DRG	32,124,091	153,045,789	1.148	1.061	2,174	1.051
	06 MAN.NTFD/DRG(MED)	15,743	64,180	0.000	0.000	0	1.019
	TOTAL *	$38,024,723	$181,892,032	1.197		3,110	
36 MULT SERVICES	04 DLR,DST-NOTFD/DRG	$3,789,140	$17,974,549	1.089	1.007	780	1.016
	06 MAN.NTFD/DRG(MED)	60,544	302,132	0.755	0.698	8	0.985
	TOTAL *	$3,849,684	$18,276,681	1.084		788	
37 MULT INDUST/PROC.	03 MAN,DLR,DSTFD/DRG	$18,758,762	$92,830,487	1.011	0.935	3,210	0.987
	05 MAN.NTFD/DRG(LOW)	3,999,375	22,161,197	1.454	1.345	287	1.040
	06 MAN.NTFD/DRG(MED)	30,062,799	137,041,119	1.114	1.030	1,814	1.015
	07 MAN.NTFD/DRG(HGH)	8,087,615	39,304,471	1.047	0.968	549	1.012
	TOTAL *	$60,908,551	$291,337,274	1.096		5,860	
TOTAL ALL TOP	03 MAN,DLR,DSTFD/DRG	$46,246,181	$205,060,343	0.995		5,727	
	04 DLR,DST-NOTFD/DRG	45,592,501	212,832,013	1.171		3,620	
	05 MAN.NTFD/DRG(LOW)	5,691,642	29,460,260	1.250		351	
	06 MAN.NTFD/DRG(MED)	40,472,764	182,147,826	1.068		2,331	
	07 MAN.NTFD/DRG(HGH)	10,893,110	51,670,193	1.038		697	
	TOTAL *	$148,896,198	$681,170,635	1.082		12,726	

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

```
                              TENNESSEE
                   LOCAL PRODUCTS/COMPLETED OPERATIONS
                   BASIC LIMIT RELATIVE CHANGE ANALYSIS
                   ------------------------------------


            (1)           (2)         (3)          (4)
          BAILEY                                             MULTISTATE
          FORMULA     CREDIBILITY    Z-WTD       BALANCED     COVERAGE
   TOP    RELATIV.        Z         RELATIV.     RELATIV.   IND. OF 0.890
                                                            OR  - 11.0%
   10      1.007        0.764        1.005        1.004


   34      1.052        0.588        1.030        1.029
   36      1.019        0.533        1.010        1.009
   37      0.934        0.146        0.990        0.989
   38      0.991        1.000        0.991        0.990

                                                              (5)          (6)          (7)
                                                           INDICATED    INDICATED    SELECTED
                                                           MULTISTATE   STATEWIDE    STATEWIDE
                                                           MONOLINE     MONOLINE     MONOLINE
   CLASS                                                    CHANGE       CHANGE#*     CHANGE
   GROUP
    1       0.852        0.596        0.909        0.903     - 18.9%      - 20.5%      - 20.0%
    2       1.029        0.508        1.015        1.008     - 10.3%      - 15.6%      - 15.0%
   11       1.067        0.341        1.022        1.015     -  9.9%      - 11.9%      - 11.6%

   12       1.022        1.000        1.022        1.015     -  9.4%      - 12.9%      - 13.0%
   13       0.802        0.282        0.940        0.933     - 16.6%      - 21.0%      - 20.7%
                              OVERALL MONOLINE INDICATION    - 10.4%      - 14.0%      - 14.0%
                   -------------------------- --------     --------     --------
```

\# 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 *
                       -------------------------------------


                 (1)            (2)            (3)           (4)            (5)              (6)
               BAILEY
               FORMULA       CREDIBILITY      Z-WTD        BALANCED      INDICATED **      SELECTED
       STATE   RELATIV           Z           RELATIV       RELATIV.     MONOLINE CHG.    MONOLINE CHG.
                1.324          0.399          1.119         1.116
                1.182          0.648          1.114         1.111
                1.139          0.606          1.082         1.079
                1.138          0.577          1.078         1.075
                1.449          0.200          1.077         1.074
                1.178          0.429          1.073         1.070
                1.279          0.243          1.062         1.059
                1.106          0.442          1.045         1.043
                1.134          0.344          1.044         1.041
                1.097          0.371          1.035         1.032
                1.093          0.381          1.034         1.032
                1.132          0.256          1.032         1.029
                1.211          0.162          1.031         1.029
                1.122          0.206          1.024         1.021
                1.042          0.508          1.021         1.018
                1.131          0.166          1.021         1.018
                1.046          0.224          1.010         1.007
                1.036          0.251          1.009         1.006
                1.009          0.291          1.003         1.000
                1.009          0.228          1.002         0.999
                1.001          0.274          1.000         0.998
                0.971          0.150          0.996         0.993
                0.983          0.474          0.992         0.989
                0.962          0.229          0.991         0.988
                0.975          0.363          0.991         0.988
                0.970          0.333          0.990         0.987
                0.957          0.247          0.989         0.987
                0.890          0.104          0.988         0.985
                0.966          0.347          0.988         0.985
                0.971          0.428          0.988         0.985
                0.955          0.336          0.985         0.982
                0.943          0.307          0.982         0.980
                0.951          0.462          0.977         0.975
                0.775          0.097          0.976         0.973
                0.841          0.161          0.973         0.970
                0.926          0.385          0.971         0.968
                0.938          0.512          0.968         0.965
                0.882          0.281          0.965         0.963
    Tennessee   0.904          0.382          0.962         0.960        -14.0%           -14.0%
                0.835          0.230          0.959         0.957
                0.749          0.166          0.953         0.951
                0.527          0.076          0.952         0.950
                0.760          0.206          0.945         0.943
                0.841          0.337          0.943         0.941
                0.702          0.168          0.942         0.940
                0.682          0.164          0.939         0.937
                0.475          0.085          0.939         0.936
                0.853          0.407          0.937         0.935
                0.708          0.188          0.937         0.935
                0.812          0.350          0.930         0.927
                0.791          0.594          0.870         0.868
                0.714          0.502          0.844         0.842
```

* 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
```

		(1) CALENDAR A.Y.E. 12/31/2016 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2012 - 2016 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 RET.STRS-FOOD/DRG	$53,611	$217,774	1.551	1.615	23	0.870
	02 RET.STRS-NTFD/DRG	31,454	172,981	0.134	0.139	3	0.971
	11 COMP. OPS. (LOW)	107,596	444,359	0.070	0.073	3	0.979
	12 COMP. OPS. (MED)	1,974,440	8,530,104	0.759	0.790	183	0.978
	13 COMP. OPS. (HGH)	172,567	772,286	0.219	0.229	5	0.899
	TOTAL *	$2,339,668	$10,137,504	0.697		217	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	$214,781	$976,937	1.487	1.548	163	0.891
	02 RET.STRS-NTFD/DRG	130,135	566,507	1.085	1.129	27	0.995
	12 COMP. OPS. (MED)	42,090	215,360	5.318	5.538	3	1.002
	TOTAL *	$387,006	$1,758,804	1.768		193	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	$40,016	$175,470	1.073	1.117	16	0.874
	02 RET.STRS-NTFD/DRG	194,129	826,919	0.733	0.763	46	0.976
	11 COMP. OPS. (LOW)	36,299	144,597	1.042	1.085	9	0.983
	12 COMP. OPS. (MED)	89,481	439,310	1.178	1.227	23	0.983
	13 COMP. OPS. (HGH)	8,409	44,893	1.427	1.486	2	0.903
	TOTAL *	$368,334	$1,631,189	0.924		96	
37 MULT INDUST/PROC.	01 RET.STRS-FOOD/DRG	$0	$20	0.000	0.000	0	0.857
	11 COMP. OPS. (LOW)	317	1,564	0.000	0.000	0	0.964
	12 COMP. OPS. (MED)	69,068	336,557	3.676	3.828	10	0.963
	13 COMP. OPS. (HGH)	0	273	0.000	0.000	0	0.886
	TOTAL *	$69,385	$338,414	3.659		10	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	$188,976	$884,139	1.403	1.461	14	0.964
	12 COMP. OPS. (MED)	3,031,268	14,892,730	0.878	0.914	269	0.964
	13 COMP. OPS. (HGH)	393,152	1,855,132	0.108	0.113	7	0.886
	TOTAL *	$3,613,396	$17,632,001	0.821		290	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	$308,408	$1,370,201	1.444		202	
	02 RET.STRS-NTFD/DRG	355,718	1,566,407	0.808		76	
	11 COMP. OPS. (LOW)	333,188	1,474,659	0.932		26	
	12 COMP. OPS. (MED)	5,206,347	24,414,061	0.911		488	
	13 COMP. OPS. (HGH)	574,128	2,672,584	0.161		14	
	TOTAL *	$6,777,789	$31,497,912	0.867		806	

 * 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
```

		(1) CALENDAR A.Y.E. 12/31/2016 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2012 - 2016 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 RET.STRS-FOOD/DRG	$3,182,470	$12,836,961	0.802		767	
	02 RET.STRS-NTFD/DRG	2,924,031	13,338,270	1.084		529	
	11 COMP. OPS. (LOW)	4,590,082	20,152,490	1.003		479	
	12 COMP. OPS. (MED)	89,807,887	402,728,315	1.020		6,697	
	13 COMP. OPS. (HGH)	9,315,286	47,098,800	0.569		288	
	TOTAL *	$109,819,756	$496,154,836	0.977		8,760	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	$11,237,823	$48,248,320	0.852		4,326	
	02 RET.STRS-NTFD/DRG	6,276,333	28,286,473	0.989		731	
	12 COMP. OPS. (MED)	2,175,660	11,035,192	1.187		135	
	TOTAL *	$19,689,816	$87,569,985	0.932		5,192	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	$987,041	$4,702,276	0.977		241	
	02 RET.STRS-NTFD/DRG	12,282,390	51,445,436	0.994		2,617	
	11 COMP. OPS. (LOW)	3,800,013	17,251,395	1.019		578	
	12 COMP. OPS. (MED)	4,607,097	22,619,676	0.874		739	
	13 COMP. OPS. (HGH)	1,134,525	6,178,738	1.015		99	
	TOTAL *	$22,811,066	$102,197,521	0.974		4,274	
37 MULT INDUST/PROC.	01 RET.STRS-FOOD/DRG	$21,424	$92,620	4.539		1	
	11 COMP. OPS. (LOW)	149,163	688,925	0.443		17	
	12 COMP. OPS. (MED)	4,495,367	21,801,280	0.926		305	
	13 COMP. OPS. (HGH)	51,766	453,230	0.413		1	
	TOTAL *	$4,717,720	$23,036,055	0.921		324	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	$9,456,335	$43,962,865	1.026		677	
	12 COMP. OPS. (MED)	171,965,665	815,820,275	0.958		13,853	
	13 COMP. OPS. (HGH)	17,646,239	82,295,884	0.866		809	
	TOTAL *	$199,068,239	$942,079,024	0.953		15,339	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	$15,428,758	$65,880,177	0.854		5,335	
	02 RET.STRS-NTFD/DRG	21,482,754	93,070,179	1.005		3,877	
	11 COMP. OPS. (LOW)	17,995,593	82,055,675	1.014		1,751	
	12 COMP. OPS. (MED)	273,051,676	1,274,004,738	0.978		21,729	
	13 COMP. OPS. (HGH)	28,147,816	136,026,652	0.773		1,197	
	TOTAL *	$356,106,597	$1,651,037,421	0.960		33,889	

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

SECTION E

SUPPORTING MATERIAL -- PREMISES/OPERATIONS

TABLE OF CONTENTS

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


                                $100,000                                                    TRENDED $100,000
                    ACCIDENT    BASIC LIMIT      EXPOSURE                                      BASIC LIMIT
TYPE OF              YEAR    AGGREGATE LOSS COSTS DEVELOPMENT   EXPOSURE       AVERAGE      AGGREGATE LOSS COSTS
POLICY              ENDING    AT CURRENT LEVEL  X  FACTOR+   X  TREND#   X      IPMF*    =   AT CURRENT LEVEL
--------            --------  -------------------- ----------- --------   -------        --------------------

MONOLINE           06/30/2015      $4,029,849       1.000       1.145                          $4,614,177
                   06/30/2016       3,963,916       1.000       1.122                           4,447,514
                   06/30/2017       4,314,524       1.031       1.093                           4,861,964


MULTILINE          06/30/2015      $8,633,807       1.000       1.136        0.919             $9,013,556
                   06/30/2016       8,970,353       1.000       1.117        0.922              9,238,333
                   06/30/2017       9,106,215       1.031       1.093        0.925              9,492,016


TOTAL              06/30/2015                                                                 $13,627,733
                   06/30/2016                                                                  13,685,847
                   06/30/2017                                                                  14,353,980
```

   +   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 06/01/2019 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

                                     $100,000                                                  $100,000
                                      BASIC                                                  BASIC LIMIT
                          ACCIDENT     LIMIT    B/L INDEMNITY UNALLOCATED                     DEVELOPED &
                 LOSS       YEAR      LOSSES    DEVELOPMENT    LOSS ADJ   SEVERITY  FREQUENCY TRENDED LOSS
REPORT TYPE   DESCRIPTION  ENDING   AND ALAE* X  FACTOR   X    FACTOR  X  TREND  X   TREND   =  AND LAE
-------------- ------------- ---------- ---------- ---------- ---------- -------- --------- -----------
    BI        B/L INDEMNITY 06/30/2015 $2,953,193   0.939       1.085     1.269     0.973    $3,715,024
                           06/30/2016  2,045,135    1.030       1.085     1.215     0.978     2,715,839
                           06/30/2017    931,095    1.504       1.085     1.162     0.983     1,735,526

    BI           ALAE      06/30/2015 $1,963,090               1.085     1.269     0.973    $2,629,931
                           06/30/2016  1,460,075               1.085     1.215     0.978     1,882,435
                           06/30/2017  1,029,137               1.085     1.162     0.983     1,275,447

    PD        B/L INDEMNITY 06/30/2015 $2,838,247   1.040       1.085     1.237     0.973    $3,854,746
                           06/30/2016  3,174,810    1.056       1.085     1.189     0.978     4,229,920
                           06/30/2017  3,568,778    1.150       1.085     1.143     0.983     5,003,188

    PD           ALAE      06/30/2015   $805,009               1.085     1.237     0.973    $1,051,267
                           06/30/2016    911,542               1.085     1.189     0.978     1,150,078
                           06/30/2017  1,248,628               1.085     1.143     0.983     1,522,168

  MED  PAY#    B/L INDEMNITY 06/30/2015  $106,022               1.085     1.269     0.973     $142,037
                           06/30/2016     80,863               1.085     1.215     0.978       104,254
                           06/30/2017     99,849               1.085     1.162     0.983       123,747

  FRINGE      B/L INDEMNITY 06/30/2015  $244,018   0.999       1.085     1.027     0.973     $264,302
                           06/30/2016    133,121    1.083       1.085     1.022     0.978       156,349
                           06/30/2017    321,125    1.385       1.085     1.017     0.983       482,423

  FRINGE         ALAE      06/30/2015  $540,921               1.085     1.027     0.973     $586,471
                           06/30/2016    137,895               1.085     1.022     0.978       149,544
                           06/30/2017    633,898               1.085     1.017     0.983       687,581


               TOTAL
             FULL COVERAGE 06/30/2015                                                       $12,243,779
                           06/30/2016                                                        10,388,419
                           06/30/2017                                                        10,830,080
```

* 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


                                     $100,000                                                        $100,000
                                      BASIC                                                        BASIC LIMIT
                            ACCIDENT   LIMIT    B/L INDEMNITY  UNALLOCATED                          DEVELOPED &
                     LOSS     YEAR    LOSSES    DEVELOPMENT    LOSS ADJ    SEVERITY   FREQUENCY     TRENDED LOSS
  REPORT TYPE     DESCRIPTION ENDING  AND ALAE*  X  FACTOR  X   FACTOR   X  TREND  X   TREND    =    AND LAE
  -------------- -------------- ---------- ---------- ----------- ----------- -------- --------- -----------
       BI       B/L INDEMNITY 06/30/2015  $735,092    1.113       1.085      1.269     0.973      $1,096,077
                              06/30/2016   521,246    1.386       1.085      1.215     0.978         931,431
                              06/30/2017   191,989    2.318       1.085      1.162     0.983         551,543

       BI           ALAE      06/30/2015  $638,298               1.085      1.269     0.973        $855,121
                              06/30/2016   456,786               1.085      1.215     0.978         588,922
                              06/30/2017   178,608               1.085      1.162     0.983         221,355

       PD       B/L INDEMNITY 06/30/2015  $564,944    1.041       1.085      1.237     0.973        $768,013
                              06/30/2016   749,002    1.086       1.085      1.189     0.978       1,026,274
                              06/30/2017   914,610    1.189       1.085      1.143     0.983       1,325,706

       PD           ALAE      06/30/2015  $187,289               1.085      1.237     0.973        $244,582
                              06/30/2016   219,242               1.085      1.189     0.978         276,614
                              06/30/2017   372,340               1.085      1.143     0.983         453,909

   MED  PAY#     B/L INDEMNITY 06/30/2015    $5,774               1.085      1.269     0.973          $7,735
                              06/30/2016    10,577               1.085      1.215     0.978          13,637
                              06/30/2017       600               1.085      1.162     0.983             744


                 TOTAL
                 DED COVERAGE  06/30/2015                                                         $2,971,528
                              06/30/2016                                                          2,836,878
                              06/30/2017                                                          2,553,257


                 TOTAL        06/30/2015                                                         $15,215,307
                              06/30/2016                                                          13,225,296
                              06/30/2017                                                          13,383,338
```

* 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


                         $100,000                                                    TRENDED $100,000
              ACCIDENT   BASIC LIMIT      EXPOSURE                                    BASIC LIMIT
  TYPE OF     YEAR       AGGREGATE LOSS COSTS  DEVELOPMENT  EXPOSURE      AVERAGE      AGGREGATE LOSS COSTS
  POLICY      ENDING     AT CURRENT LEVEL  X  FACTOR+   X  TREND#   X   IPMF*    =    AT CURRENT LEVEL
  --------    --------   --------------------  -----------  --------  -------       --------------------

  MONOLINE    06/30/2015     $3,236,542        1.000        1.018                        $3,294,800
              06/30/2016      4,187,182        1.000        1.015                         4,249,990
              06/30/2017      4,963,294        1.005        1.012                         5,047,968


  MULTILINE   06/30/2015    $12,648,456        1.000        1.025       0.979           $12,692,409
              06/30/2016     12,931,384        1.000        1.020       0.979            12,913,021
              06/30/2017     13,113,863        1.005        1.015       0.978            13,082,827


  TOTAL       06/30/2015                                                               $15,987,209
              06/30/2016                                                                17,163,011
              06/30/2017                                                                18,130,795
```

+   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 06/01/2019 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND
    FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION E - AVERAGE ANNUAL EXPOSURE TRENDS.

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

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

                                  $100,000                                              $100,000
                                   BASIC                                               BASIC LIMIT
                        ACCIDENT    LIMIT   B/L INDEMNITY  UNALLOCATED                  DEVELOPED &
              LOSS        YEAR     LOSSES   DEVELOPMENT    LOSS ADJ  SEVERITY FREQUENCY TRENDED LOSS
REPORT TYPE  DESCRIPTION ENDING   AND ALAE* X  FACTOR  X  FACTOR  X TREND  X  TREND   =  AND LAE
-------------- -------------- ---------- ---------- ---------- ---------- -------- --------- -----------
    BI       B/L INDEMNITY 06/30/2015 $7,487,309   0.906      1.085     1.237    0.921    $8,385,192
                          06/30/2016  8,010,463   0.904      1.085     1.189    0.935     8,734,725
                          06/30/2017  6,082,700   1.110      1.085     1.143    0.950     7,954,611

    BI          ALAE      06/30/2015 $3,119,560              1.085     1.237    0.921    $3,856,137
                          06/30/2016  2,804,932              1.085     1.189    0.935     3,383,339
                          06/30/2017  2,974,397              1.085     1.143    0.950     3,504,278

    PD       B/L INDEMNITY 06/30/2015  $847,422    1.047      1.085     1.269    0.921    $1,125,116
                          06/30/2016   644,756    1.090      1.085     1.215    0.935       866,243
                          06/30/2017   890,064    1.117      1.085     1.162    0.950     1,190,786

    PD          ALAE      06/30/2015  $329,757              1.085     1.269    0.921      $418,162
                          06/30/2016   305,441              1.085     1.215    0.935       376,483
                          06/30/2017   400,789              1.085     1.162    0.950       480,038

  MED  PAY#   B/L INDEMNITY 06/30/2015 $1,182,457              1.085     1.237    0.921    $1,461,653
                          06/30/2016  1,098,371              1.085     1.189    0.935     1,324,867
                          06/30/2017  1,668,316              1.085     1.143    0.950     1,965,522

   FRINGE    B/L INDEMNITY 06/30/2015   $84,292    1.049      1.085     1.143    0.921      $100,994
                          06/30/2016   185,803    1.208      1.085     1.115    0.935       253,884
                          06/30/2017   413,183    1.550      1.085     1.088    0.950       718,218

   FRINGE       ALAE      06/30/2015   $99,439              1.085     1.143    0.921      $113,578
                          06/30/2016   255,106              1.085     1.115    0.935       288,560
                          06/30/2017  1,046,565              1.085     1.088    0.950     1,173,677


              TOTAL
           FULL COVERAGE  06/30/2015                                                    $15,460,833
                          06/30/2016                                                     15,228,101
                          06/30/2017                                                     16,987,130
```

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

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

                                      $100,000                                                    $100,000
                                       BASIC                                                     BASIC LIMIT
                            ACCIDENT    LIMIT    B/L INDEMNITY  UNALLOCATED                       DEVELOPED &
                  LOSS       YEAR      LOSSES    DEVELOPMENT    LOSS ADJ    SEVERITY  FREQUENCY   TRENDED LOSS
REPORT TYPE     DESCRIPTION  ENDING   AND ALAE*  X  FACTOR   X  FACTOR  X   TREND  X   TREND   =    AND LAE
--------------  -----------  --------  ---------- ----------- ----------  --------  ---------   -----------
     BI         B/L INDEMNITY 06/30/2015  $805,093    1.007      1.085     1.237     0.921      $1,002,154
                              06/30/2016  1,009,877   1.134      1.085     1.189     0.935       1,381,353
                              06/30/2017    477,105   1.439      1.085     1.143     0.950         808,862

     BI         ALAE          06/30/2015  $410,208              1.085     1.237     0.921        $507,064
                              06/30/2016    263,650             1.085     1.189     0.935         318,017
                              06/30/2017    252,134             1.085     1.143     0.950         297,051

     PD         B/L INDEMNITY 06/30/2015  $129,384    1.133      1.085     1.269     0.921        $185,892
                              06/30/2016     50,802   1.173      1.085     1.215     0.935          73,451
                              06/30/2017     10,500   1.234      1.085     1.162     0.950          15,519

     PD         ALAE          06/30/2015   $44,654              1.085     1.269     0.921         $56,625
                              06/30/2016     17,017             1.085     1.215     0.935          20,975
                              06/30/2017      3,567             1.085     1.162     0.950           4,272

  MED  PAY#     B/L INDEMNITY 06/30/2015    $8,321              1.085     1.237     0.921         $10,286
                              06/30/2016     37,514             1.085     1.189     0.935          45,250
                              06/30/2017     46,215             1.085     1.143     0.950          54,448


                TOTAL
                DED COVERAGE  06/30/2015                                                        $1,762,022
                              06/30/2016                                                         1,839,046
                              06/30/2017                                                         1,180,152


                TOTAL         06/30/2015                                                       $17,222,855
                              06/30/2016                                                        17,067,148
                              06/30/2017                                                        18,167,282
```

* 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                                                    Implicit Package
       Policy (B)                 Description                 Modification Factors
       ----------                 -----------                 --------------------

          31                   Not Applicable                         --
          32                   Not Applicable                         --
          33                   Office Policy                         0.522
          34                   Mercantile Policy                     0.860
          35                   Institutional Policy                  0.663
          36                   Service Policy                        1.062
          37                   Industrial/Processing Policy          1.191
          38                   Contractors Policy                    0.870
```

(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                                              Implicit Package
      Policy (B)              Description              Modification Factors
      ----------              -----------              --------------------

         31              Motel/Hotel Policy                    1.000
         32              Apartment House Policy                1.000
         33              Office Policy                         1.052
         34              Mercantile Policy                     1.005
         35              Institutional Policy                  0.812
         36              Service Policy                        0.934
         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) Credibility (c)	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.023	1.033	0.7588	1.031	20,000,000
27 to 39 Months	1.000	1.000	0.5131	1.000	60,000,000

Accident Year Ending	27:15	Exposure Development From 39:27	ULT:39		Factor
6/30/2015			1.000		1.000
6/30/2016		1.000	1.000		1.000
6/30/2017	1.031	1.000	1.000		1.031

(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) x (4)} + {(2) x {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) Credibility (c)	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.005	1.005	0.6421	1.005	45,000,000
27 to 39 Months	1.000	1.001	0.4313	1.000	100,000,000

Accident Year Ending	Exposure Development From 27:15	39:27	ULT:39		Factor
6/30/2015			1.000		1.000
6/30/2016		1.000	1.000		1.000
6/30/2017	1.005	1.000	1.000		1.005

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

TENNESSEE
MANUFACTURERS AND CONTRACTORS

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

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
6/30/2010	20,094,348	20,066,279	20,067,745	20,122,947	20,122,947	20,122,928	20,122,928	20,122,928
6/30/2011	19,747,716	20,027,224	20,116,046	20,115,887	20,115,680	20,115,680	20,115,680	
6/30/2012	19,485,695	19,889,737	19,894,524	19,901,543	19,900,136	19,900,133		
6/30/2013	19,484,684	20,094,986	20,097,578	20,096,650	20,096,286			
6/30/2014	20,633,291	21,269,269	21,272,159	21,268,302				
6/30/2015	21,106,463	21,871,760	21,860,201					
6/30/2016	21,186,087	21,986,520						
6/30/2017	22,125,947							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
6/30/2010	0.999	1.000	1.003	1.000	1.000	1.000	1.000
6/30/2011	1.014	1.004	1.000	1.000	1.000	1.000	
6/30/2012	1.021	1.000	1.000	1.000	1.000		
6/30/2013	1.031	1.000	1.000	1.000			
6/30/2014	1.031	1.000	1.000				
6/30/2015	1.036	0.999					
6/30/2016	1.038						
6/30/2017							

Average Best 3 of 5

27:15	39:27
1.033	1.000

TENNESSEE
OWNERS LANDLORDS AND TENANTS

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

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
6/30/2010	22,133,793	22,189,414	22,192,319	22,238,263	22,238,263	22,233,164	22,233,046	22,233,046
6/30/2011	23,162,941	23,252,616	23,337,753	23,339,255	23,334,041	23,332,822	23,332,585	
6/30/2012	22,895,622	23,264,391	23,306,070	23,301,590	23,298,550	23,298,787		
6/30/2013	23,369,134	23,572,409	23,572,572	23,569,172	23,571,996			
6/30/2014	25,397,457	25,462,758	25,465,379	25,499,024				
6/30/2015	26,726,388	26,817,126	26,801,219					
6/30/2016	28,616,607	28,319,001						
6/30/2017	29,636,111							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
6/30/2010	1.003	1.000	1.002	1.000	1.000	1.000	1.000
6/30/2011	1.004	1.004	1.000	1.000	1.000	1.000	
6/30/2012	1.016	1.002	1.000	1.000	1.000		
6/30/2013	1.009	1.000	1.000	1.000			
6/30/2014	1.003	1.000	1.001				
6/30/2015	1.003	0.999					
6/30/2016	0.990						
6/30/2017							

Average Best 3 of 5

27:15	39:27
1.005	1.001

MULTISTATE
MANUFACTURERS AND CONTRACTORS

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

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
6/30/2010	1,381,666,139	1,380,847,073	1,379,481,348	1,379,808,890	1,379,733,632	1,379,701,442	1,379,708,944	1,379,713,872
6/30/2011	1,340,144,591	1,355,846,007	1,356,472,843	1,356,422,127	1,356,373,293	1,356,270,075	1,356,269,200	
6/30/2012	1,369,647,996	1,393,036,933	1,395,105,899	1,395,004,691	1,395,134,159	1,395,379,922		
6/30/2013	1,425,164,941	1,457,760,859	1,457,460,689	1,457,561,253	1,457,640,673			
6/30/2014	1,472,968,030	1,511,921,537	1,510,307,279	1,510,062,523				
6/30/2015	1,538,352,156	1,572,366,109	1,571,976,590					
6/30/2016	1,529,014,698	1,563,478,504						
6/30/2017	1,570,325,770							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
6/30/2010	0.999	0.999	1.000	1.000	1.000	1.000	1.000
6/30/2011	1.012	1.000	1.000	1.000	1.000	1.000	
6/30/2012	1.017	1.001	1.000	1.000	1.000		
6/30/2013	1.023	1.000	1.000	1.000			
6/30/2014	1.026	0.999	1.000				
6/30/2015	1.022	1.000					
6/30/2016	1.023						
6/30/2017							

Average Best 3 of 5

27:15	39:27
1.023	1.000

MULTISTATE
OWNERS LANDLORDS AND TENANTS

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

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
6/30/2010	1,628,627,270	1,632,146,922	1,631,936,843	1,632,800,368	1,632,794,754	1,632,732,168	1,632,706,738	1,632,676,414
6/30/2011	1,611,596,486	1,619,394,199	1,620,805,067	1,620,820,238	1,620,801,346	1,620,840,079	1,620,837,494	
6/30/2012	1,603,754,925	1,616,921,983	1,622,266,659	1,622,230,740	1,622,095,947	1,622,101,686		
6/30/2013	1,690,765,829	1,713,166,747	1,713,220,385	1,712,026,180	1,712,349,998			
6/30/2014	1,769,572,594	1,775,483,349	1,772,982,821	1,773,962,520				
6/30/2015	1,889,973,819	1,893,168,075	1,893,110,951					
6/30/2016	2,011,430,922	2,018,190,033						
6/30/2017	2,054,284,153							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
6/30/2010	1.002	1.000	1.001	1.000	1.000	1.000	1.000
6/30/2011	1.005	1.001	1.000	1.000	1.000	1.000	
6/30/2012	1.008	1.003	1.000	1.000	1.000		
6/30/2013	1.013	1.000	0.999	1.000			
6/30/2014	1.003	0.999	1.001				
6/30/2015	1.002	1.000					
6/30/2016	1.003						
6/30/2017							

Average Best 3 of 5

27:15	39:27
1.005	1.000

LOSS DEVELOPMENT DATA
TABLE OF CONTENTS

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	1.551	1.427	0.7373	1.460	1,500,000
27 to 39 Months	1.267	1.054	0.7961	1.097	1,700,000
39 to 51 Months	1.060	0.892	0.7589	0.933	2,000,000
51 to 63 Months	0.997	0.987	0.7384	0.990	2,300,000
63 to 75 Months	0.989	1.034	0.7027	1.021	2,700,000
75 to 87 Months	0.997	1.001	0.6776	1.000	3,100,000
87 to 99 Months	0.998	1.001	0.6239	1.000	3,600,000
99 to 111 Months	0.997	0.996	0.5657	0.996	4,200,000
111 to 123 Months	1.000	1.000	0.4981	1.000	4,800,000
123 to 135 Months	0.999	1.000	0.3912	0.999	5,600,000
135 to 147 Months	1.001	1.000	0.3762	1.001	6,500,000
147 to 159 Months	1.000	1.000	0.3547	1.000	7,600,000
159 to 171 Months	1.000	1.000	0.3262	1.000	8,800,000
171 to 183 Months	1.000	1.000	0.2935	1.000	10,300,000
183 to 195 Months	1.000	1.000	0.2872	1.000	12,000,000
195 to 207 Months	1.000	1.000	0.2902	1.000	14,100,000
207 to 219 Months	1.000	1.000	0.2492	1.000	16,500,000
219 to 231 Months	1.000	1.000	0.1557	1.000	19,400,000
231 to 243 Months	1.000	1.000	0.0629	1.000	22,800,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	Loss Development From										
	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2015			0.933	0.990	1.021	1.000	1.000	0.996	1.000	0.999	1.001
6/30/2016		1.097	0.933	0.990	1.021	1.000	1.000	0.996	1.000	0.999	1.001
6/30/2017	1.460	1.097	0.933	0.990	1.021	1.000	1.000	0.996	1.000	0.999	1.001

	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.939
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.030
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.504

(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
                                   Bodily Injury
                             Full and Deductible Coverage
                                       ALAE

                     Calculation of Cumulative Incremental Factors
```

	(1)	(2)	(3)	(4)	(5)	
	EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY(C)	WEIGHTED RATIO (D)	Credibility Constant(Ki)
15 to 27 Months		0.0682	0.0684	0.7373	0.0684	1,500,000
27 to 39 Months		0.1056	0.1265	0.7961	0.1222	1,700,000
39 to 51 Months		0.0918	0.0964	0.7589	0.0953	2,000,000
51 to 63 Months		0.0482	0.0524	0.7384	0.0513	2,300,000
63 to 75 Months		0.0300	0.0215	0.7027	0.0240	2,700,000
75 to 87 Months		0.0102	0.0224	0.6776	0.0185	3,100,000
87 to 99 Months		0.0084	0.0007	0.6239	0.0036	3,600,000
99 to 111 Months		0.0039	0.0023	0.5657	0.0030	4,200,000
111 to 123 Months		0.0026	0.0001	0.4981	0.0013	4,800,000
123 to 135 Months		0.0007	0.0000	0.3912	0.0004	5,600,000
135 to 147 Months		0.0012	0.0000	0.3762	0.0007	6,500,000
147 to 159 Months		0.0018	0.0000	0.3547	0.0011	7,600,000
159 to 171 Months		0.0012	0.0000	0.3262	0.0008	8,800,000
171 to Ultimate		A multistate ratio of 0.0000 has been used.				

```
                         Cumulative Incremental Factors
   Months-to-Ultimate     15      27      39      51      63      75      87
                        0.391   0.322   0.200   0.105   0.054   0.030   0.011

   Months-to-Ultimate     99     111     123     135     147     159     171
                        0.007   0.004   0.003   0.003   0.002   0.001   0.000
```

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/17	$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2015	929,225	5,169,326	0.200	1,033,865	1,963,090
6/30/2016	331,282	3,505,562	0.322	1,128,793	1,460,075
6/30/2017	179,400	2,173,254	0.391	849,737	1,029,137

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/17	$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2015	301,383	1,684,574	0.200	336,915	638,298
6/30/2016	212,511	758,615	0.322	244,275	456,786
6/30/2017	26,295	389,546	0.391	152,313	178,608

```
(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)}}
```

Premises/Operations

Manufacturers & Contractors
Property Damage
Full Coverage
Incurred Losses excluding ALAE

Calculation of Loss Development Factors

	(1)	(2)	(3)	(4)		(5)
	EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY(C)	WEIGHTED RATIO (D)	Credibility Constant(Ki)
15 to 27 Months	1.088	1.089	0.7068	1.089	3,100,000
27 to 39 Months	1.034	1.009	0.7214	1.016	3,200,000
39 to 51 Months	1.009	1.011	0.7201	1.010	3,300,000
51 to 63 Months	1.005	1.012	0.7209	1.010	3,500,000
63 to 75 Months	1.007	1.003	0.7153	1.004	3,600,000
75 to 87 Months	1.006	1.005	0.7226	1.005	3,700,000
87 to 99 Months	1.006	1.003	0.7024	1.004	3,900,000
99 to 111 Months	1.005	1.000	0.6952	1.002	4,100,000
111 to 123 Months	1.005	1.000	0.6658	1.002	4,300,000
123 to 135 Months	1.001	0.999	0.6446	1.000	4,400,000
135 to 147 Months	1.001	1.000	0.6445	1.000	4,600,000
147 to 159 Months	1.001	1.000	0.6504	1.000	4,800,000
159 to 171 Months	1.002	1.000	0.6653	1.001	5,000,000
171 to 183 Months	1.000	1.001	0.6518	1.001	5,200,000
183 to 195 Months	1.001	1.000	0.6405	1.000	5,400,000
195 to 207 Months	1.000	1.000	0.6193	1.000	5,600,000
207 to 219 Months	1.000	1.000	0.5971	1.000	5,900,000
219 to 231 Months	1.000	1.000	0.4804	1.000	6,100,000
231 to 243 Months	1.000	1.000	0.3041	1.000	6,400,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	Loss Development From										
	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2015			1.010	1.010	1.004	1.005	1.004	1.002	1.002	1.000	1.000
6/30/2016		1.016	1.010	1.010	1.004	1.005	1.004	1.002	1.002	1.000	1.000
6/30/2017	1.089	1.016	1.010	1.010	1.004	1.005	1.004	1.002	1.002	1.000	1.000

	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
6/30/2015	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000		1.040
6/30/2016	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000		1.056
6/30/2017	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000		1.150

(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 and Deductible Coverage
                                       ALAE

                      Calculation of Cumulative Incremental Factors

          (1)            (2)           (3)            (4)           (5)

       EVALUATION      MULTISTATE     STATE                       WEIGHTED     Credibility
        PERIOD         RATIO (A)     RATIO (B)    CREDIBILITY(C)   RATIO (D)    Constant(Ki)

   15 to   27 Months    0.0500        0.0494        0.7068         0.0496       3,100,000
   27 to   39 Months    0.0477        0.0297        0.7214         0.0347       3,200,000
   39 to   51 Months    0.0380        0.0833        0.7201         0.0706       3,300,000
   51 to   63 Months    0.0264        0.0317        0.7209         0.0303       3,500,000
   63 to   75 Months    0.0144        0.0063        0.7153         0.0086       3,600,000
   75 to   87 Months    0.0118        0.0042        0.7226         0.0063       3,700,000
   87 to   99 Months    0.0099        0.0024        0.7024         0.0046       3,900,000
   99 to  111 Months    0.0104        0.0007        0.6952         0.0036       4,100,000
  111 to  123 Months    0.0067        0.0019        0.6658         0.0035       4,300,000
  123 to  135 Months    0.0054        0.0036        0.6446         0.0042       4,400,000
  135 to  147 Months    0.0047        0.0016        0.6445         0.0027       4,600,000
  147 to  159 Months    0.0035        0.0000        0.6504         0.0012       4,800,000
  159 to  171 Months    0.0021        0.0000        0.6653         0.0007       5,000,000
  171 to Ultimate      A multistate ratio of 0.0000 has been used.


                              Cumulative Incremental Factors
     Months-to-Ultimate      15        27        39        51        63        75        87
                           0.221     0.171     0.136     0.066     0.035     0.027     0.021

     Months-to-Ultimate      99       111       123       135       147       159       171
                           0.016     0.012     0.009     0.005     0.002     0.001     0.000
```

Full Coverage
```
               Reported ALAE      $500,000         ALAE      Additional    Ultimate
   A.Y.E.      as of 9/30/17   Ultimate Indemnity  Factor       ALAE         ALAE
  6/30/2015        375,159         3,160,665       0.136       429,850      805,009
  6/30/2016        259,507         3,813,065       0.171       652,035      911,542
  6/30/2017        171,935         4,871,900       0.221     1,076,693    1,248,628
```

Deductible Coverage
```
               Reported ALAE      $500,000         ALAE      Additional    Ultimate
   A.Y.E.      as of 9/30/17   Ultimate Indemnity  Factor       ALAE         ALAE
  6/30/2015         62,234          919,524        0.136       125,055      187,289
  6/30/2016         59,918          931,712        0.171       159,324      219,242
  6/30/2017         44,068        1,485,378        0.221       328,272      372,340
```

(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          MULTISTATE
        PERIOD            RATIO (A)

  15 to  27 Months        0.1968
  27 to  39 Months        0.3023
  39 to  51 Months        0.1982
  51 to  63 Months        0.0983
  63 to  75 Months        0.0785
  75 to  87 Months        0.0423
  87 to  99 Months        0.0173
  99 to 111 Months        0.0143
 111 to 123 Months        0.0012
 123 to 135 Months        0.0038
 135 to 147 Months        0.0024
 147 to 159 Months        0.0020
 159 to 171 Months        0.0090
 171 to Ultimate          A multistate ratio of 0.0000 has been used.


                       Cumulative Incremental Factors
   Months-to-Ultimate      15       27       39       51       63       75       87
                         0.966    0.770    0.467    0.269    0.171    0.092    0.050

   Months-to-Ultimate      99      111      123      135      147      159      171
                         0.033    0.018    0.017    0.013    0.011    0.009    0.000


                 Reported ALAE     $500,000        ALAE    Additional   Ultimate
     A.Y.E.      as of 9/30/17  Ultimate Indemnity  Factor     ALAE        ALAE
   6/30/2015        69,046         1,010,439        0.467     471,875     540,921
   6/30/2016        11,200           164,539        0.770     126,695     137,895
   6/30/2017        12,234           643,544        0.966     621,664     633,898

 (A) See Section E - Multistate Loss Development.
 Note: Fringe Incremental ALAE Factors are calculated using multistate data.
```

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	1.295	1.221	0.9098	1.228	1,600,000
27 to 39 Months	1.119	0.985	0.9040	0.998	2,100,000
39 to 51 Months	1.012	0.941	0.8705	0.950	2,900,000
51 to 63 Months	0.988	0.974	0.8375	0.976	4,000,000
63 to 75 Months	0.990	0.993	0.7961	0.992	5,400,000
75 to 87 Months	0.993	0.996	0.7547	0.995	7,300,000
87 to 99 Months	0.996	0.987	0.6768	0.990	10,000,000
99 to 111 Months	0.998	0.998	0.5962	0.998	13,600,000
111 to 123 Months	1.000	1.000	0.4806	1.000	18,500,000
123 to 135 Months	1.000	1.000	0.3857	1.000	25,200,000
135 to 147 Months	1.000	0.999	0.3033	1.000	34,400,000
147 to 159 Months	1.000	1.000	0.2500	1.000	46,900,000
159 to 171 Months	1.000	1.000	0.1883	1.000	64,000,000
171 to 183 Months	1.001	1.000	0.1405	1.001	87,400,000
183 to 195 Months	1.001	1.000	0.1000	1.001	119,400,000
195 to 207 Months	1.000	1.000	0.0762	1.000	163,200,000
207 to 219 Months	1.000	1.000	0.0558	1.000	223,200,000
219 to 231 Months	1.000	1.000	0.0296	1.000	305,400,000
231 to 243 Months	1.000	1.000	0.0105	1.000	418,100,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	Loss Development From										
	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2015			0.950	0.976	0.992	0.995	0.990	0.998	1.000	1.000	1.000
6/30/2016		0.998	0.950	0.976	0.992	0.995	0.990	0.998	1.000	1.000	1.000
6/30/2017	1.228	0.998	0.950	0.976	0.992	0.995	0.990	0.998	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
6/30/2015	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	0.906
6/30/2016	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	0.904
6/30/2017	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.110

(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
                                   Bodily Injury
                            Full and Deductible Coverage
                                       ALAE

                     Calculation of Cumulative Incremental Factors

           (1)              (2)          (3)            (4)            (5)

       EVALUATION        MULTISTATE     STATE                      WEIGHTED     Credibility
         PERIOD          RATIO (A)     RATIO (B)    CREDIBILITY(C)  RATIO (D)    Constant(Ki)

    15 to   27 Months     0.0767       0.1142        0.9098        0.1109        1,600,000
    27 to   39 Months     0.0852       0.0413        0.9040        0.0455        2,100,000
    39 to   51 Months     0.0589       0.0324        0.8705        0.0358        2,900,000
    51 to   63 Months     0.0283       0.0092        0.8375        0.0123        4,000,000
    63 to   75 Months     0.0135       0.0051        0.7961        0.0068        5,400,000
    75 to   87 Months     0.0057       0.0035        0.7547        0.0040        7,300,000
    87 to   99 Months     0.0029       0.0048        0.6768        0.0042       10,000,000
    99 to  111 Months     0.0028       0.0031        0.5962        0.0030       13,600,000
   111 to  123 Months     0.0022      -0.0004        0.4806        0.0009       18,500,000
   123 to  135 Months     0.0010       0.0000        0.3857        0.0006       25,200,000
   135 to  147 Months     0.0015       0.0000        0.3033        0.0010       34,400,000
   147 to  159 Months     0.0016       0.0000        0.2500        0.0012       46,900,000
   159 to  171 Months     0.0006       0.0000        0.1883        0.0004       64,000,000
   171 to Ultimate        A multistate ratio of 0.0000 has been used.


                              Cumulative Incremental Factors
    Months-to-Ultimate       15        27        39        51        63        75        87
                           0.227     0.116     0.070     0.034     0.022     0.015     0.011

    Months-to-Ultimate       99       111       123       135       147       159       171
                           0.007     0.004     0.003     0.003     0.002     0.000     0.000

Full Coverage
                     Reported ALAE      $500,000          ALAE     Additional    Ultimate
      A.Y.E.         as of 9/30/17   Ultimate Indemnity  Factor       ALAE         ALAE
    6/30/2015          2,440,070         9,706,971        0.070      679,490     3,119,560
    6/30/2016          1,543,194        10,877,067        0.116    1,261,738     2,804,932
    6/30/2017            688,788        10,068,755        0.227    2,285,609     2,974,397

Deductible Coverage
                     Reported ALAE      $500,000          ALAE     Additional    Ultimate
      A.Y.E.         as of 9/30/17   Ultimate Indemnity  Factor       ALAE         ALAE
    6/30/2015            302,349         1,540,800        0.070      107,859       410,208
    6/30/2016            104,824         1,369,199        0.116      158,826       263,650
    6/30/2017             76,583           773,350        0.227      175,551       252,134

    (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)}}
```

Premises/Operations

Owners, Landlords & Tenants
Property Damage
Full Coverage
Incurred Losses excluding ALAE

Calculation of Loss Development Factors

	(1)	(2)	(3)	(4)	(5)	
	EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY(C)	WEIGHTED RATIO (D)	Credibility Constant(Ki)
15 to 27 Months	1.097	0.982	0.6264	1.025	1,300,000
27 to 39 Months	1.040	1.041	0.6387	1.041	1,400,000
39 to 51 Months	1.020	0.962	0.5896	0.986	1,600,000
51 to 63 Months	1.006	1.029	0.6001	1.020	1,700,000
63 to 75 Months	1.008	0.998	0.5849	1.002	1,800,000
75 to 87 Months	1.004	1.001	0.5464	1.002	2,000,000
87 to 99 Months	1.003	1.000	0.4861	1.002	2,100,000
99 to 111 Months	1.006	1.000	0.4474	1.003	2,300,000
111 to 123 Months	1.001	1.001	0.4212	1.001	2,500,000
123 to 135 Months	1.002	1.000	0.3914	1.001	2,700,000
135 to 147 Months	1.003	1.000	0.4113	1.002	3,000,000
147 to 159 Months	1.000	1.000	0.4146	1.000	3,200,000
159 to 171 Months	1.001	1.000	0.4156	1.001	3,500,000
171 to 183 Months	1.001	1.000	0.3618	1.001	3,900,000
183 to 195 Months	1.001	1.013	0.3557	1.005	4,200,000
195 to 207 Months	1.002	1.000	0.3463	1.001	4,600,000
207 to 219 Months	1.003	1.000	0.3265	1.002	5,000,000
219 to 231 Months	1.003	1.000	0.2317	1.002	5,600,000
231 to 243 Months	1.003	1.000	0.1090	1.003	6,100,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	Loss Development From										
	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2015			0.986	1.020	1.002	1.002	1.002	1.003	1.001	1.001	1.002
6/30/2016		1.041	0.986	1.020	1.002	1.002	1.002	1.003	1.001	1.001	1.002
6/30/2017	1.025	1.041	0.986	1.020	1.002	1.002	1.002	1.003	1.001	1.001	1.002

	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
6/30/2015	1.000	1.001	1.001	1.005	1.001	1.002	1.002	1.003	1.012		1.047
6/30/2016	1.000	1.001	1.001	1.005	1.001	1.002	1.002	1.003	1.012		1.090
6/30/2017	1.000	1.001	1.001	1.005	1.001	1.002	1.002	1.003	1.012		1.117

(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)}}

Premises/Operations

Owners, Landlords & Tenants
Property Damage
Full and Deductible Coverage
ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY(C)	WEIGHTED RATIO (D)	Credibility Constant(Ki)
15 to 27 Months	0.0777	0.0641	0.6264	0.0692	1,300,000
27 to 39 Months	0.0873	0.0190	0.6387	0.0437	1,400,000
39 to 51 Months	0.0743	0.0228	0.5896	0.0439	1,600,000
51 to 63 Months	0.0567	0.0155	0.6001	0.0320	1,700,000
63 to 75 Months	0.0368	0.0252	0.5849	0.0300	1,800,000
75 to 87 Months	0.0250	0.0061	0.5464	0.0147	2,000,000
87 to 99 Months	0.0188	0.0093	0.4861	0.0142	2,100,000
99 to 111 Months	0.0161	0.0001	0.4474	0.0090	2,300,000
111 to 123 Months	0.0118	0.0015	0.4212	0.0075	2,500,000
123 to 135 Months	0.0050	0.0000	0.3914	0.0031	2,700,000
135 to 147 Months	0.0064	0.0000	0.4113	0.0038	3,000,000
147 to 159 Months	0.0022	0.0000	0.4146	0.0013	3,200,000
159 to 171 Months	0.0003	0.0000	0.4156	0.0002	3,500,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors

Months-to-Ultimate	15	27	39	51	63	75	87
	0.272	0.203	0.159	0.116	0.084	0.054	0.039

Months-to-Ultimate	99	111	123	135	147	159	171
	0.025	0.016	0.008	0.005	0.001	0.000	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/17	$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2015	177,901	955,044	0.159	151,856	329,757
6/30/2016	149,035	770,491	0.203	156,406	305,441
6/30/2017	45,455	1,306,368	0.272	355,334	400,789

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/17	$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2015	21,469	145,816	0.159	23,185	44,654
6/30/2016	4,694	60,709	0.203	12,323	17,017
6/30/2017	0	13,115	0.272	3,567	3,567

(A) See Section E - Multistate Loss Development.
(B) See Section E - Statewide Loss Development.
(C) Credibility is based upon the statewide losses for each evaluation period.
(D) {(3) x (4)} + {(2) x {1.000-(4)}}

```
                              TENNESSEE

                         Premises/Operations

                    Owners, Landlords & Tenants
                              Fringe
                          Full Coverage
                              ALAE

              Calculation of Cumulative Incremental Factors

          (1)                (2)

      EVALUATION         MULTISTATE
        PERIOD           RATIO (A)


 15 to  27 Months        0.2655
 27 to  39 Months        0.2440
 39 to  51 Months        0.1805
 51 to  63 Months        0.1709
 63 to  75 Months        0.1024
 75 to  87 Months        0.0398
 87 to  99 Months        0.0394
 99 to 111 Months        0.0141
111 to 123 Months        0.0117
123 to 135 Months        0.0038
135 to 147 Months        0.0000
147 to 159 Months        0.0165
159 to 171 Months        0.0003
171 to Ultimate          A multistate ratio of 0.0000 has been used.



                        Cumulative Incremental Factors
  Months-to-Ultimate      15      27      39      51      63      75      87
                         1.089   0.823   0.579   0.399   0.228   0.126   0.086


  Months-to-Ultimate      99     111     123     135     147     159     171
                         0.046   0.032   0.021   0.017   0.017   0.000   0.000


              Reported ALAE      $500,000        ALAE    Additional   Ultimate
  A.Y.E.      as of 9/30/17   Ultimate Indemnity  Factor     ALAE       ALAE
 6/30/2015         38,383          105,449        0.579     61,056     99,439
 6/30/2016         29,554          274,061        0.823    225,552    255,106
 6/30/2017        124,602          846,613        1.089    921,963  1,046,565


(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
6/30/1998	1,103,233	1,693,283	1,702,020	1,713,510	1,713,733	1,690,758	1,413,257	1,418,257	1,418,257	1,518,257	1,530,757
6/30/1999	1,715,239	2,085,761	2,090,723	2,068,520	2,017,520	1,995,020	1,995,020	1,995,020	1,995,020	1,995,020	1,995,020
6/30/2000	914,192	1,395,469	1,768,398	1,853,300	1,735,869	1,739,869	1,778,869	1,846,119	1,825,119	1,898,909	1,898,909
6/30/2001	889,284	1,715,490	1,908,569	1,841,129	1,811,354	1,823,028	1,818,378	1,825,877	1,818,377	1,818,377	1,818,377
6/30/2002	524,597	914,426	1,046,924	1,225,135	1,205,798	1,239,287	1,150,068	1,158,837	1,118,837	1,118,837	1,118,837
6/30/2003	852,967	1,433,513	1,643,253	1,474,393	1,422,715	1,337,715	1,342,715	1,342,715	1,342,715	1,342,715	1,342,715
6/30/2004	1,382,143	2,128,985	2,271,220	2,039,090	1,909,558	1,985,206	1,797,915	1,797,915	1,797,915	1,797,915	1,797,915
6/30/2005	1,204,723	1,270,750	966,614	1,203,613	1,037,044	1,020,613	995,218	1,047,058	1,072,058	1,061,389	1,061,389
6/30/2006	993,864	1,189,829	1,083,558	1,198,544	1,175,810	1,060,241	1,060,241	1,060,241	1,060,241	1,060,241	1,060,241
6/30/2007	1,518,296	1,750,057	1,676,653	1,694,477	1,503,639	1,495,139	1,476,639	1,476,639	1,476,639	1,476,639	1,479,639
6/30/2008	1,430,642	2,706,210	2,932,125	2,535,727	2,295,673	2,260,847	2,297,847	2,252,847	2,225,847	2,225,847	
6/30/2009	1,602,684	2,292,040	2,135,086	1,970,184	1,700,168	1,737,249	1,737,249	1,740,949	1,682,949		
6/30/2010	1,343,471	1,840,906	1,864,416	1,572,034	1,786,621	1,873,571	1,937,199	1,994,149			
6/30/2011	1,674,070	2,740,125	3,040,704	2,965,600	2,817,633	2,903,803	2,800,491				
6/30/2012	1,478,604	2,243,638	2,281,002	2,028,358	1,778,156	1,887,884					
6/30/2013	1,277,493	1,575,762	1,632,795	1,498,020	1,699,069						
6/30/2014	1,699,307	2,461,858	2,380,912	2,069,816							
6/30/2015	1,331,994	2,600,084	2,959,360								
6/30/2016	1,179,023	1,550,782									
6/30/2017	851,093										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	1,530,757	1,530,757	1,530,757	1,530,757	1,530,757	1,530,757	1,530,757	1,530,757	1,530,757
6/30/1999	1,995,020	2,047,520	2,047,520	2,047,520	2,047,520	2,047,520	2,047,520	2,047,520	
6/30/2000	1,898,909	1,898,909	1,898,909	1,898,909	1,898,909	1,898,909	1,898,909		
6/30/2001	1,818,377	1,818,377	1,818,377	1,818,377	1,818,377	1,818,377			
6/30/2002	1,118,837	1,118,837	1,118,837	1,118,837	1,118,837				
6/30/2003	1,342,715	1,342,715	1,342,715	1,342,715					
6/30/2004	1,797,915	1,797,915	1,797,915						
6/30/2005	1,036,389	1,036,389							
6/30/2006	1,060,241								

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
6/30/1998	1.535	1.005	1.007	1.000	0.987	0.836	1.004	1.000	1.071	1.008	1.000
6/30/1999	1.216	1.002	0.989	0.975	0.989	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2000	1.526	1.267	1.048	0.937	1.002	1.022	1.038	0.989	1.040	1.000	1.000
6/30/2001	1.929	1.113	0.965	0.984	1.006	0.997	1.004	0.996	1.000	1.000	1.000
6/30/2002	1.743	1.145	1.170	0.984	1.028	0.928	1.008	0.965	1.000	1.000	1.000
6/30/2003	1.681	1.146	0.897	0.965	0.940	1.004	1.000	1.000	1.000	1.000	1.000
6/30/2004	1.540	1.067	0.898	0.936	1.040	0.906	1.000	1.000	1.000	1.000	1.000
6/30/2005	1.055	0.761	1.245	0.862	0.984	0.975	1.052	1.024	0.990	1.000	0.976
6/30/2006	1.197	0.911	1.106	0.981	0.902	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2007	1.153	0.958	1.011	0.887	0.994	0.988	1.000	1.000	1.000	1.002	
6/30/2008	1.892	1.083	0.865	0.905	0.985	1.016	0.980	0.988	1.000		
6/30/2009	1.430	0.932	0.923	0.863	1.022	1.000	1.002	0.967			
6/30/2010	1.370	1.013	0.843	1.137	1.049	1.034	1.029				
6/30/2011	1.637	1.110	0.975	0.950	1.031	0.964					
6/30/2012	1.517	1.017	0.889	0.877	1.062						
6/30/2013	1.233	1.036	0.917	1.134							
6/30/2014	1.449	0.967	0.869								
6/30/2015	1.952	1.138									
6/30/2016	1.315										
3 Yr Mean	1.572	1.047	0.892	0.987	1.047	0.999	1.004	0.985	1.000	1.001	0.992
Best 3/5	1.427	1.054	0.892	0.987	1.034	1.001	1.001	0.996	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
6/30/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/1999	1.026	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
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					
6/30/2004	1.000	1.000						
6/30/2005	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
6/30/2013					1.034	1.001	1.001	0.996	1.000	1.000	1.000
6/30/2014				0.987	1.034	1.001	1.001	0.996	1.000	1.000	1.000
6/30/2015			0.892	0.987	1.034	1.001	1.001	0.996	1.000	1.000	1.000
6/30/2016		1.054	0.892	0.987	1.034	1.001	1.001	0.996	1.000	1.000	1.000
6/30/2017	1.427	1.054	0.892	0.987	1.034	1.001	1.001	0.996	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
6/30/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.032
6/30/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.019
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.909
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.958
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.366

  * 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

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
6/30/1998	162,891	283,186	520,520	542,561	565,953	617,821	500,325	538,913	541,674	555,725	557,557
6/30/1999	117,528	287,134	375,678	392,663	431,376	479,321	480,897	482,495	485,171	486,244	489,352
6/30/2000	77,602	229,833	706,951	915,638	1,044,856	1,088,053	1,103,240	1,101,939	1,093,332	1,098,041	1,098,041
6/30/2001	166,188	354,784	598,042	658,309	1,000,496	1,067,224	1,074,035	1,088,883	1,172,060	1,172,060	1,172,060
6/30/2002	75,565	316,886	659,515	663,308	818,376	895,446	925,681	946,568	933,676	933,676	933,676
6/30/2003	94,382	386,519	884,877	911,765	976,164	1,001,456	1,017,380	1,014,971	1,015,010	1,057,598	1,057,598
6/30/2004	286,437	578,671	937,072	1,318,920	1,394,053	1,377,736	1,379,924	1,380,119	1,380,119	1,380,119	1,380,119
6/30/2005	126,796	395,160	380,946	515,664	575,193	617,944	659,129	659,347	680,228	680,413	666,881
6/30/2006	41,115	208,535	308,533	423,577	725,382	725,029	725,029	725,029	725,029	725,029	725,029
6/30/2007	230,939	388,220	490,976	654,972	680,429	703,160	704,153	704,175	704,175	704,175	704,175
6/30/2008	151,747	434,847	911,438	1,135,136	1,364,980	1,418,145	1,474,020	1,479,829	1,504,662	1,555,147	
6/30/2009	101,985	353,958	655,811	823,603	829,643	849,807	849,807	851,573	849,302		
6/30/2010	142,362	529,785	1,001,825	1,361,724	1,607,585	1,709,128	1,902,859	1,911,075			
6/30/2011	165,576	503,930	826,707	1,148,842	1,529,697	2,239,783	2,572,023				
6/30/2012	1,133,664	2,791,230	4,755,143	5,296,283	5,666,888	5,743,572					
6/30/2013	240,693	424,539	1,211,106	1,561,712	1,642,400						
6/30/2014	194,489	409,021	733,380	1,087,233							
6/30/2015	176,732	549,182	944,311								
6/30/2016	119,245	289,492									
6/30/2017	180,175										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	559,301	559,301	559,301	559,301	562,678	562,762	562,762	562,762	562,762
6/30/1999	493,304	518,246	518,246	518,246	518,246	518,246	518,246	518,246	
6/30/2000	1,098,041	1,098,041	1,098,041	1,098,041	1,098,041	1,098,041	1,098,041		
6/30/2001	1,174,371	1,174,371	1,174,371	1,174,371	1,174,371	1,174,371			
6/30/2002	933,676	933,676	933,676	933,676	933,676				
6/30/2003	1,057,598	1,057,598	1,057,598	1,057,598					
6/30/2004	1,380,119	1,380,119	1,380,119						
6/30/2005	666,881	666,881							
6/30/2006	725,029								

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

Increments

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/1998	120,295	237,334	22,041	23,392	51,868	-117,496	38,588	2,761	14,051	1,832	1,744	0	0
6/30/1999	169,606	88,544	16,985	38,713	47,945	1,576	1,598	2,676	1,073	3,108	3,952	24,942	0
6/30/2000	152,231	477,118	208,687	129,218	43,197	15,187	-1,301	-8,607	4,709	0	0	0	0
6/30/2001	188,596	243,258	60,267	342,187	66,728	6,811	14,848	83,177	0	0	2,311	0	0
6/30/2002	241,321	342,629	3,793	155,068	77,070	30,235	20,887	-12,892	0	0	0	0	0
6/30/2003	292,137	498,358	26,888	64,399	25,292	15,924	-2,409	39	42,588	0	0	0	0
6/30/2004	292,234	358,401	381,848	75,133	-16,317	2,188	195	0	0	0	0	0	0
6/30/2005	268,364	-14,214	134,718	59,529	42,751	41,185	218	20,881	185	-13,532	0	0	
6/30/2006	167,420	99,998	115,044	301,805	-353	0	0	0	0	0	0		
6/30/2007	157,281	102,756	163,996	25,457	22,731	993	22	0	0	0			
6/30/2008	283,100	476,591	223,698	229,844	53,165	55,875	5,809	24,833	50,485				
6/30/2009	251,973	301,853	167,792	6,040	20,164	0	1,766	-2,271					
6/30/2010	387,423	472,040	359,899	245,861	101,543	193,731	8,216						
6/30/2011	338,354	322,777	322,135	380,855	710,086	332,240							
6/30/2012	1,657,566	1,963,913	541,140	370,605	76,684								
6/30/2013	183,846	786,567	350,606	80,688									
6/30/2014	214,532	324,359	353,853										
6/30/2015	372,450	395,129											
6/30/2016	170,247												

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
6/30/1998	0.0403	0.0795	0.0074	0.0078	0.0174	-0.0394	0.0129	0.0009	0.0047	0.0006	0.0006	0.0000	0.0000
6/30/1999	0.0462	0.0241	0.0046	0.0105	0.0131	0.0004	0.0004	0.0007	0.0003	0.0008	0.0011	0.0068	0.0000
6/30/2000	0.0511	0.1600	0.0700	0.0433	0.0145	0.0051	-0.0004	-0.0029	0.0016	0.0000	0.0000	0.0000	0.0000
6/30/2001	0.0589	0.0759	0.0188	0.1068	0.0208	0.0021	0.0046	0.0260	0.0000	0.0000	0.0007	0.0000	0.0000
6/30/2002	0.1371	0.1946	0.0022	0.0881	0.0438	0.0172	0.0119	-0.0073	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.1204	0.2054	0.0111	0.0265	0.0104	0.0066	-0.0010	0.0000	0.0176	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.0801	0.0983	0.1047	0.0206	-0.0045	0.0006	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.2262	-0.0120	0.1136	0.0502	0.0360	0.0347	0.0002	0.0176	0.0002	-0.0114	0.0000	0.0000	
6/30/2006	0.0888	0.0531	0.0610	0.1601	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
6/30/2007	0.0612	0.0400	0.0638	0.0099	0.0088	0.0004	0.0000	0.0000	0.0000	0.0000			
6/30/2008	0.0773	0.1302	0.0611	0.0628	0.0145	0.0153	0.0016	0.0068	0.0138				
6/30/2009	0.0911	0.1091	0.0607	0.0022	0.0073	0.0000	0.0006	-0.0008					
6/30/2010	0.1031	0.1256	0.0957	0.0654	0.0270	0.0515	0.0022						
6/30/2011	0.0621	0.0592	0.0591	0.0699	0.1303	0.0610							
6/30/2012	0.4970	0.5888	0.1622	0.1111	0.0230								
6/30/2013	0.0497	0.2127	0.0948	0.0218									
6/30/2014	0.0598	0.0904	0.0987										
6/30/2015	0.0720	0.0763											
6/30/2016	0.0734												
Best 3/5	0.0684	0.1265	0.0964	0.0524	0.0215	0.0224	0.0007	0.0023	0.0001	0.0000	0.0000	0.0000	0.0000

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
6/30/1998	1,901,065	2,413,224	2,575,727	2,769,395	2,901,999	2,922,671	2,869,272	2,858,868	2,810,468	2,803,868	2,804,368
6/30/1999	2,726,389	2,700,125	2,757,701	2,602,302	2,624,345	2,615,433	2,622,195	2,604,097	2,701,102	2,703,318	2,698,955
6/30/2000	2,573,888	3,081,619	3,153,528	3,188,713	3,168,828	3,012,379	3,056,179	3,083,577	3,083,363	2,903,865	2,903,866
6/30/2001	2,254,168	2,681,673	3,202,797	3,164,152	3,210,748	3,170,247	3,216,497	3,163,498	3,163,497	3,188,497	3,188,497
6/30/2002	2,508,279	2,799,229	2,901,415	2,964,714	3,101,703	3,251,003	3,216,303	3,240,351	3,192,251	3,246,541	3,376,361
6/30/2003	2,423,684	2,907,816	2,820,570	3,102,188	3,193,490	3,204,765	3,212,527	3,126,859	3,116,387	3,140,204	3,140,204
6/30/2004	3,350,967	3,491,061	3,617,268	3,532,616	3,500,309	3,340,039	3,364,324	3,345,675	3,345,675	3,345,675	3,345,675
6/30/2005	2,194,607	2,206,835	2,373,513	2,179,932	2,408,212	2,411,810	2,437,710	2,447,279	2,452,281	2,452,280	2,443,322
6/30/2006	2,629,225	2,589,888	2,462,694	2,381,123	2,592,868	2,480,775	2,430,895	2,623,494	2,624,993	2,574,993	2,549,993
6/30/2007	3,126,092	3,049,934	3,053,718	2,882,310	2,880,179	2,859,409	2,946,909	2,953,790	2,953,690	2,953,690	2,953,693
6/30/2008	2,951,183	3,083,000	3,126,611	3,006,175	2,976,671	2,999,574	3,015,914	2,985,055	2,986,067	2,986,069	
6/30/2009	3,195,728	3,363,902	3,273,932	3,352,163	3,399,598	3,398,939	3,412,339	3,411,828	3,390,167		
6/30/2010	2,801,476	2,840,722	2,776,909	2,644,720	2,756,470	2,763,120	2,778,643	2,800,649			
6/30/2011	3,261,904	3,238,258	3,371,704	3,456,610	3,447,535	3,475,182	3,485,182				
6/30/2012	2,797,384	2,900,803	2,834,100	2,807,467	2,840,351	2,827,540					
6/30/2013	2,707,844	2,747,380	2,734,270	2,777,929	2,803,829						
6/30/2014	2,552,827	2,823,623	2,922,881	3,146,470							
6/30/2015	2,417,014	2,713,648	2,702,523								
6/30/2016	2,502,507	2,856,941									
6/30/2017	3,264,896										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	2,805,198	2,796,833	2,796,833	2,796,833	2,796,833	2,796,833	2,796,833	2,796,833	2,796,833
6/30/1999	2,718,955	2,718,955	2,718,955	2,839,099	2,842,365	2,843,013	2,843,013	2,843,013	
6/30/2000	2,903,865	2,903,865	2,991,690	3,001,139	3,105,208	3,105,208	3,105,208		
6/30/2001	3,188,497	3,163,497	3,163,497	3,163,497	3,163,497	3,163,497			
6/30/2002	3,411,361	3,454,143	3,454,143	3,454,143	3,454,143				
6/30/2003	3,140,204	3,140,204	3,115,204	3,115,204					
6/30/2004	3,345,675	3,345,675	3,345,675						
6/30/2005	2,443,322	2,442,822							
6/30/2006	2,544,916								

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
6/30/1998	1.269	1.067	1.075	1.048	1.007	0.982	0.996	0.983	0.998	1.000	1.000
6/30/1999	0.990	1.021	0.944	1.008	0.997	1.003	0.993	1.037	1.001	0.998	1.007
6/30/2000	1.197	1.023	1.011	0.994	0.951	1.015	1.009	1.000	0.942	1.000	1.000
6/30/2001	1.190	1.194	0.988	1.015	0.987	1.015	0.984	1.000	1.008	1.000	1.000
6/30/2002	1.116	1.037	1.022	1.046	1.048	0.989	1.007	0.985	1.017	1.040	1.010
6/30/2003	1.200	0.970	1.100	1.029	1.004	1.002	0.973	0.997	1.008	1.000	1.000
6/30/2004	1.042	1.036	0.977	0.991	0.954	1.007	0.994	1.000	1.000	1.000	1.000
6/30/2005	1.006	1.076	0.918	1.105	1.001	1.011	1.004	1.002	1.000	0.996	1.000
6/30/2006	0.985	0.951	0.967	1.089	0.957	0.980	1.079	1.001	0.981	0.990	0.998
6/30/2007	0.976	1.001	0.944	0.999	0.993	1.031	1.002	1.000	1.000	1.000	
6/30/2008	1.045	1.014	0.961	0.990	1.008	1.005	0.990	1.000	1.000		
6/30/2009	1.053	0.973	1.024	1.014	1.000	1.004	1.000	0.994			
6/30/2010	1.014	0.978	0.952	1.042	1.002	1.006	1.008				
6/30/2011	0.993	1.041	1.025	0.997	1.008	1.003					
6/30/2012	1.037	0.977	0.991	1.012	0.995						
6/30/2013	1.015	0.995	1.016	1.009							
6/30/2014	1.106	1.035	1.076								
6/30/2015	1.123	0.996									
6/30/2016	1.142										
3 Yr Mean	1.124	1.009	1.028	1.006	1.002	1.004	0.999	0.998	0.994	0.995	0.999
Best 3/5	1.089	1.009	1.011	1.012	1.003	1.005	1.003	1.000	1.000	0.999	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/1998	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/1999	1.000	1.000	1.044	1.001	1.000	1.000	1.000	1.000 *
6/30/2000	1.000	1.030	1.003	1.035	1.000	1.000	1.000 *	1.000 *
6/30/2001	0.992	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *
6/30/2002	1.013	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2003	1.000	0.992	1.000					
6/30/2004	1.000	1.000						
6/30/2005	1.000							
3 Yr Mean	1.000	0.997	1.000	1.012	1.000 @	1.000 @	1.000 @	1.000 @
Best 3/5	1.000	1.000	1.001	1.000	1.000 *	1.000 *	1.000 *	1.000 *

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
6/30/2013					1.003	1.005	1.003	1.000	1.000	0.999	1.000
6/30/2014				1.012	1.003	1.005	1.003	1.000	1.000	0.999	1.000
6/30/2015			1.011	1.012	1.003	1.005	1.003	1.000	1.000	0.999	1.000
6/30/2016		1.009	1.011	1.012	1.003	1.005	1.003	1.000	1.000	0.999	1.000
6/30/2017	1.089	1.009	1.011	1.012	1.003	1.005	1.003	1.000	1.000	0.999	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2013	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.011
6/30/2014	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.023
6/30/2015	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.034
6/30/2016	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.044
6/30/2017	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.137

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

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

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/1998	158,529	229,689	355,749	477,542	530,740	532,547	514,136	542,246	596,791	577,621	578,349
6/30/1999	122,890	270,085	431,712	444,280	490,674	486,377	495,645	499,598	493,124	498,342	498,342
6/30/2000	266,244	333,625	391,741	397,446	355,557	354,327	428,758	388,621	387,513	401,719	394,070
6/30/2001	81,113	203,710	513,858	877,134	1,201,313	1,159,180	1,183,229	1,169,004	1,162,936	1,162,936	1,162,936
6/30/2002	273,693	336,790	404,006	542,761	663,716	785,830	951,954	971,964	1,031,065	1,072,269	1,347,191
6/30/2003	164,620	288,687	465,781	657,316	1,196,682	1,211,267	1,222,373	1,235,292	1,237,042	1,237,164	1,250,960
6/30/2004	208,298	340,353	488,584	548,247	582,645	618,707	625,007	636,490	639,042	640,230	640,230
6/30/2005	201,626	292,909	372,148	526,543	607,287	636,138	624,765	639,531	663,281	680,610	701,894
6/30/2006	174,174	283,883	368,602	407,585	431,704	472,104	489,429	491,078	474,391	487,437	541,079
6/30/2007	125,913	205,641	323,604	422,377	528,343	578,929	580,989	612,238	611,204	611,204	611,162
6/30/2008	344,494	727,147	926,422	835,166	954,374	971,363	1,025,445	1,028,176	1,034,339	1,037,567	
6/30/2009	146,707	289,075	356,604	452,133	744,273	752,836	745,962	747,764	751,135		
6/30/2010	181,155	320,999	406,727	439,240	470,560	504,312	538,780	560,957			
6/30/2011	122,824	401,451	483,689	585,409	593,819	617,869	629,686				
6/30/2012	192,002	385,611	676,222	767,726	814,394	854,150					
6/30/2013	274,856	451,846	510,103	1,226,245	1,925,881						
6/30/2014	173,006	388,856	427,249	1,143,910							
6/30/2015	159,843	261,930	411,251								
6/30/2016	236,048	248,968									
6/30/2017	172,233										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	578,744	578,744	578,744	578,744	578,744	578,744	578,744	578,744	578,744
6/30/1999	498,342	498,342	498,342	498,342	498,342	498,342	498,342	498,342	
6/30/2000	396,793	396,793	396,793	396,793	396,793	396,793	396,793		
6/30/2001	1,162,936	1,162,936	1,162,936	1,162,936	1,162,936	1,162,936			
6/30/2002	1,368,604	1,361,917	1,374,137	1,391,205	1,397,003				
6/30/2003	1,252,001	1,252,439	1,252,550	1,252,550					
6/30/2004	640,230	640,230	640,230						
6/30/2005	702,084	702,084							
6/30/2006	598,836								

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
6/30/1998	71,160	126,060	121,793	53,198	1,807	-18,411	28,110	54,545	-19,170	728	395	0	0
6/30/1999	147,195	161,627	12,568	46,394	-4,297	9,268	3,953	-6,474	5,218	0	0	0	0
6/30/2000	67,381	58,116	5,705	-41,889	-1,230	74,431	-40,137	-1,108	14,206	-7,649	2,723	0	0
6/30/2001	122,597	310,148	363,276	324,179	-42,133	24,049	-14,225	-6,068	0	0	0	0	0
6/30/2002	63,097	67,216	138,755	120,955	122,114	166,124	20,010	59,101	41,204	274,922	21,413	-6,687	12,220
6/30/2003	124,067	177,094	191,535	539,366	14,585	11,106	12,919	1,750	122	13,796	1,041	438	111
6/30/2004	132,055	148,231	59,663	34,398	36,062	6,300	11,483	2,552	1,188	0	0	0	0
6/30/2005	91,283	79,239	154,395	80,744	28,851	-11,373	14,766	23,750	17,329	21,284	190	0	
6/30/2006	109,709	84,719	38,983	24,119	40,400	17,325	1,649	-16,687	13,046	53,642	57,757		
6/30/2007	79,728	117,963	98,773	105,966	50,586	2,060	31,249	-1,034	0	-42			
6/30/2008	382,653	199,275	-91,256	119,208	16,989	54,082	2,731	6,163	3,228				
6/30/2009	142,368	67,529	95,529	292,140	8,563	-6,874	1,802	3,371					
6/30/2010	139,844	85,728	32,513	31,320	33,752	34,468	22,177						
6/30/2011	278,627	82,238	101,720	8,410	24,050	11,817							
6/30/2012	193,609	290,611	91,504	46,668	39,756								
6/30/2013	176,990	58,257	716,142	699,636									
6/30/2014	215,850	38,393	716,661										
6/30/2015	102,087	149,321											
6/30/2016	12,920												

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
6/30/1998	0.0195	0.0346	0.0334	0.0146	0.0005	-0.0051	0.0077	0.0150	-0.0053	0.0002	0.0001	0.0000	0.0000
6/30/1999	0.0474	0.0521	0.0040	0.0149	-0.0014	0.0030	0.0013	-0.0021	0.0017	0.0000	0.0000	0.0000	0.0000
6/30/2000	0.0170	0.0147	0.0014	-0.0106	-0.0003	0.0188	-0.0101	-0.0003	0.0036	-0.0019	0.0007	0.0000	0.0000
6/30/2001	0.0343	0.0867	0.1016	0.0906	-0.0118	0.0067	-0.0040	-0.0017	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.0136	0.0145	0.0299	0.0261	0.0263	0.0358	0.0043	0.0127	0.0089	0.0593	0.0046	-0.0014	0.0026
6/30/2003	0.0305	0.0436	0.0471	0.1327	0.0036	0.0027	0.0032	0.0004	0.0000	0.0034	0.0003	0.0001	0.0000
6/30/2004	0.0343	0.0385	0.0155	0.0089	0.0094	0.0016	0.0030	0.0007	0.0003	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0313	0.0272	0.0530	0.0277	0.0099	-0.0039	0.0051	0.0081	0.0059	0.0073	0.0001	0.0000	
6/30/2006	0.0391	0.0302	0.0139	0.0086	0.0144	0.0062	0.0006	-0.0059	0.0046	0.0191	0.0206		
6/30/2007	0.0201	0.0297	0.0249	0.0267	0.0128	0.0005	0.0079	-0.0003	0.0000	0.0000			
6/30/2008	0.0907	0.0472	-0.0216	0.0282	0.0040	0.0128	0.0006	0.0015	0.0008				
6/30/2009	0.0350	0.0166	0.0235	0.0718	0.0021	-0.0017	0.0004	0.0008					
6/30/2010	0.0372	0.0228	0.0086	0.0083	0.0090	0.0092	0.0059						
6/30/2011	0.0668	0.0197	0.0244	0.0020	0.0058	0.0028							
6/30/2012	0.0628	0.0943	0.0297	0.0151	0.0129								
6/30/2013	0.0540	0.0178	0.2186	0.2136									
6/30/2014	0.0590	0.0105	0.1958										
6/30/2015	0.0353	0.0517											
6/30/2016	0.0037												
Best 3/5	0.0494	0.0297	0.0833	0.0317	0.0063	0.0042	0.0024	0.0007	0.0019	0.0036	0.0016	0.0000	0.0000

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
6/30/1998	3,363,359	4,050,140	4,459,594	4,723,275	4,595,438	4,537,912	4,496,581	4,494,344	4,431,660	4,409,012	4,415,812
6/30/1999	4,026,493	4,615,045	4,942,813	5,315,533	5,190,046	5,005,075	4,927,111	4,898,871	4,894,816	4,892,236	4,892,326
6/30/2000	3,783,921	4,199,262	4,212,371	3,956,880	3,755,959	3,835,969	3,947,496	3,947,496	3,963,886	3,863,886	3,863,886
6/30/2001	3,954,926	4,208,280	4,769,682	4,626,499	4,846,706	4,777,666	4,729,983	4,701,682	4,701,682	4,701,682	4,701,269
6/30/2002	3,434,850	4,420,100	4,824,539	4,811,017	4,843,311	4,745,131	4,646,128	4,682,628	4,706,216	4,701,269	4,701,269
6/30/2003	4,105,642	4,546,960	5,461,433	5,455,926	5,298,945	5,211,575	4,975,523	4,915,432	4,940,067	4,878,900	4,878,900
6/30/2004	4,767,551	5,412,774	5,629,661	5,285,430	5,311,453	5,265,240	5,254,260	5,262,467	5,264,467	5,264,467	5,264,467
6/30/2005	5,316,422	6,086,755	6,205,767	5,731,645	5,530,225	5,495,000	5,452,500	5,472,501	5,547,500	5,527,500	5,512,500
6/30/2006	4,546,593	5,127,640	4,677,286	4,577,408	4,323,656	4,272,616	4,176,093	4,144,740	4,144,740	4,144,740	4,199,740
6/30/2007	6,158,552	6,820,973	6,673,428	6,542,346	6,316,306	6,344,390	6,287,940	6,178,940	6,128,940	6,152,360	6,152,360
6/30/2008	6,199,196	7,254,632	7,760,286	7,665,537	7,049,328	6,856,024	6,858,754	6,844,099	6,844,099	6,838,099	
6/30/2009	6,690,906	8,003,163	7,690,798	7,413,945	7,179,909	7,246,195	7,156,695	7,057,468	7,009,968		
6/30/2010	7,653,814	8,176,274	7,840,903	7,622,258	7,304,541	6,933,595	6,923,432	6,812,682			
6/30/2011	7,042,775	9,207,180	8,601,598	8,495,857	8,198,924	8,275,363	8,269,082				
6/30/2012	5,958,473	7,232,910	6,317,530	5,645,148	5,584,699	5,576,138					
6/30/2013	5,698,624	6,866,617	6,840,168	6,481,338	6,421,525						
6/30/2014	5,282,306	6,190,754	6,337,246	5,722,829							
6/30/2015	5,392,252	6,714,682	7,147,549								
6/30/2016	5,471,793	7,307,401									
6/30/2017	5,751,587										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	4,415,587	4,425,587	4,421,167	4,418,167	4,432,587	4,427,587	4,427,587	4,427,587	4,427,587
6/30/1999	4,892,326	4,892,326	4,892,326	4,892,326	4,892,326	4,892,326	4,892,326	4,892,326	
6/30/2000	3,863,886	3,863,886	3,863,886	3,863,886	3,863,886	3,863,886	3,863,886		
6/30/2001	4,701,269	4,701,269	4,701,269	4,701,269	4,701,269	4,701,269			
6/30/2002	4,701,269	4,701,269	4,701,269	4,701,269	4,701,269				
6/30/2003	4,878,900	4,878,900	4,878,900	4,878,900					
6/30/2004	5,264,467	5,264,467	5,264,467						
6/30/2005	5,492,501	5,492,500							
6/30/2006	4,151,740								

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
6/30/1998	1.204	1.101	1.059	0.973	0.987	0.991	1.000	0.986	0.995	1.002	1.000
6/30/1999	1.146	1.071	1.075	0.976	0.964	0.984	0.994	0.999	0.999	1.000	1.000
6/30/2000	1.110	1.003	0.939	0.949	1.021	1.029	1.000	1.004	0.975	1.000	1.000
6/30/2001	1.064	1.133	0.970	1.048	0.986	0.990	0.994	1.000	1.000	1.000	1.000
6/30/2002	1.287	1.091	0.997	1.007	0.980	0.979	1.008	1.005	0.999	1.000	1.000
6/30/2003	1.107	1.201	0.999	0.971	0.984	0.955	0.988	1.005	0.988	1.000	1.000
6/30/2004	1.135	1.040	0.939	1.005	0.991	0.998	1.002	1.000	1.000	1.000	1.000
6/30/2005	1.145	1.020	0.924	0.965	0.994	0.992	1.004	1.014	0.996	0.997	0.996
6/30/2006	1.128	0.912	0.979	0.945	0.988	0.977	0.992	1.000	1.000	1.013	0.989
6/30/2007	1.108	0.978	0.980	0.965	1.004	0.991	0.983	0.992	1.004	1.000	
6/30/2008	1.170	1.070	0.988	0.920	0.973	1.000	0.998	1.000	0.999		
6/30/2009	1.196	0.961	0.964	0.968	1.009	0.988	0.986	0.993			
6/30/2010	1.068	0.959	0.972	0.958	0.949	0.999	0.984				
6/30/2011	1.307	0.934	0.988	0.965	1.009	0.999					
6/30/2012	1.214	0.873	0.894	0.989	0.998						
6/30/2013	1.205	0.996	0.948	0.991							
6/30/2014	1.172	1.024	0.903								
6/30/2015	1.245	1.064									
6/30/2016	1.335										
3 Yr Mean	1.251	1.028	0.915	0.982	0.985	0.995	0.989	0.995	1.001	1.003	0.995
Best 3/5	1.221	0.985	0.941	0.974	0.993	0.996	0.987	0.998	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
6/30/1998	1.002	0.999	0.999	1.003	0.999	1.000	1.000	1.000
6/30/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
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					
6/30/2004	1.000	1.000						
6/30/2005	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
6/30/2013					0.993	0.996	0.987	0.998	1.000	1.000	0.999
6/30/2014				0.974	0.993	0.996	0.987	0.998	1.000	1.000	0.999
6/30/2015			0.941	0.974	0.993	0.996	0.987	0.998	1.000	1.000	0.999
6/30/2016		0.985	0.941	0.974	0.993	0.996	0.987	0.998	1.000	1.000	0.999
6/30/2017	1.221	0.985	0.941	0.974	0.993	0.996	0.987	0.998	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
6/30/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.973
6/30/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.948
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.892
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.879
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.073

* 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

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
6/30/1998	564,220	727,719	1,047,280	1,256,098	1,306,653	1,337,008	1,362,944	1,245,017	1,255,312	1,302,744	1,305,118
6/30/1999	321,046	794,966	1,329,785	1,445,913	1,552,364	1,668,984	1,663,739	1,663,158	1,661,462	1,660,530	1,669,092
6/30/2000	457,572	907,679	1,018,404	1,035,997	1,142,471	1,175,630	1,223,745	1,281,190	1,313,506	1,247,825	1,247,825
6/30/2001	387,814	762,752	1,290,756	1,701,600	2,018,968	2,034,085	2,064,142	2,109,503	2,110,299	2,110,619	2,110,619
6/30/2002	346,149	1,020,336	1,271,516	1,355,384	1,642,679	1,727,276	1,677,895	1,617,609	1,633,174	1,611,960	1,611,960
6/30/2003	393,401	1,246,995	1,673,165	2,489,765	2,955,122	2,998,037	2,648,618	2,668,858	2,658,770	2,670,490	2,670,490
6/30/2004	478,345	902,391	1,507,805	1,575,496	1,776,532	1,783,861	1,789,317	1,838,721	1,843,965	1,896,933	1,848,680
6/30/2005	325,864	1,530,098	2,659,126	3,459,768	4,109,821	4,902,466	5,021,523	5,056,283	5,166,874	5,156,657	5,156,069
6/30/2006	299,038	954,626	1,228,394	1,324,641	1,336,546	1,380,843	1,560,045	1,540,012	1,538,091	1,538,091	1,538,091
6/30/2007	202,392	856,227	1,414,580	1,612,193	1,764,446	1,830,631	1,838,798	1,941,102	1,995,891	1,975,651	1,975,723
6/30/2008	333,755	1,179,478	2,380,967	3,564,189	3,642,998	3,661,333	3,691,169	3,708,658	3,708,677	3,708,589	
6/30/2009	482,285	1,782,053	2,395,882	2,877,671	3,101,451	3,130,680	3,322,516	3,328,128	3,354,145		
6/30/2010	963,905	1,849,808	3,415,898	4,285,728	3,967,158	4,129,337	3,982,035	4,157,828			
6/30/2011	682,732	1,790,176	2,204,935	2,410,244	2,502,700	2,544,938	2,614,963				
6/30/2012	752,569	1,957,269	2,007,099	2,153,530	2,184,599	2,238,079					
6/30/2013	1,871,881	2,931,890	3,160,810	3,603,745	3,744,957						
6/30/2014	710,693	1,731,467	2,323,226	2,605,420							
6/30/2015	664,504	1,769,976	2,429,772								
6/30/2016	395,163	1,540,578									
6/30/2017	693,242										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	1,305,102	1,313,602	1,327,187	1,333,691	1,345,962	1,342,388	1,342,388	1,342,388	1,342,388
6/30/1999	1,669,092	1,669,092	1,669,092	1,669,092	1,669,092	1,669,092	1,669,092	1,669,092	
6/30/2000	1,247,825	1,247,825	1,247,825	1,247,825	1,247,825	1,247,825	1,247,825		
6/30/2001	2,110,619	2,110,619	2,110,619	2,110,619	2,110,619	2,110,619			
6/30/2002	1,611,960	1,611,960	1,611,960	1,611,960	1,611,960				
6/30/2003	2,670,490	2,670,738	2,670,738	2,670,738					
6/30/2004	1,848,680	1,848,680	1,848,680						
6/30/2005	5,156,914	5,146,293							
6/30/2006	1,538,091								

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.	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
6/30/1998	163,499	319,561	208,818	50,555	30,355	25,936	-117,927	10,295	47,432	2,374	-16	8,500	13,585
6/30/1999	473,920	534,819	116,128	106,451	116,620	-5,245	-581	-1,696	-932	8,562	0	0	0
6/30/2000	450,107	110,725	17,593	106,474	33,159	48,115	57,445	32,316	-65,681	0	0	0	0
6/30/2001	374,938	528,004	410,844	317,368	15,117	30,057	45,361	796	320	0	0	0	0
6/30/2002	674,187	251,180	83,868	287,295	84,597	-49,381	-60,286	15,565	-21,214	0	0	0	0
6/30/2003	853,594	426,170	816,600	465,357	42,915	-349,419	20,240	-10,088	11,720	0	0	248	0
6/30/2004	424,046	605,414	67,691	201,036	7,329	5,456	49,404	5,244	52,968	-48,253	0	0	0
6/30/2005	1,204,234	1,129,028	800,642	650,053	792,645	119,057	34,760	110,591	-10,217	-588	845	-10,621	
6/30/2006	655,588	273,768	96,247	11,905	44,297	179,202	-20,033	-1,921	0	0	0		
6/30/2007	653,835	558,353	197,613	152,253	66,185	8,167	102,304	54,789	-20,240	72			
6/30/2008	845,723	1,201,489	1,183,222	78,809	18,335	29,836	17,489	19	-88				
6/30/2009	1,299,768	613,829	481,789	223,780	29,229	191,836	5,612	26,017					
6/30/2010	885,903	1,566,090	869,830	-318,570	162,179	-147,302	175,793						
6/30/2011	1,107,444	414,759	205,309	92,456	42,238	70,025							
6/30/2012	1,204,700	49,830	146,431	31,069	53,480								
6/30/2013	1,060,009	228,920	442,935	141,212									
6/30/2014	1,020,774	591,759	282,194										
6/30/2015	1,105,472	659,796											
6/30/2016	1,145,415												

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
6/30/1998	0.0269	0.0526	0.0344	0.0083	0.0050	0.0043	-0.0194	0.0017	0.0078	0.0004	0.0000	0.0014	0.0022
6/30/1999	0.0761	0.0858	0.0186	0.0171	0.0187	-0.0008	-0.0001	-0.0003	-0.0001	0.0014	0.0000	0.0000	0.0000
6/30/2000	0.0920	0.0226	0.0036	0.0218	0.0068	0.0098	0.0117	0.0066	-0.0134	0.0000	0.0000	0.0000	0.0000
6/30/2001	0.0542	0.0763	0.0594	0.0459	0.0022	0.0043	0.0066	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.0930	0.0346	0.0116	0.0396	0.0117	-0.0068	-0.0083	0.0021	-0.0029	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.1317	0.0657	0.1260	0.0718	0.0066	-0.0539	0.0031	-0.0016	0.0018	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.0571	0.0815	0.0091	0.0271	0.0010	0.0007	0.0067	0.0007	0.0071	-0.0065	0.0000	0.0000	0.0000
6/30/2005	0.1549	0.1452	0.1030	0.0836	0.1019	0.0153	0.0045	0.0142	-0.0013	-0.0001	0.0001	-0.0014	
6/30/2006	0.1204	0.0503	0.0177	0.0022	0.0081	0.0329	-0.0037	-0.0004	0.0000	0.0000	0.0000		
6/30/2007	0.0768	0.0656	0.0232	0.0179	0.0078	0.0010	0.0120	0.0064	-0.0024	0.0000			
6/30/2008	0.0906	0.1288	0.1268	0.0084	0.0020	0.0032	0.0019	0.0000	0.0000				
6/30/2009	0.1376	0.0650	0.0510	0.0237	0.0031	0.0203	0.0006	0.0028					
6/30/2010	0.0898	0.1588	0.0882	-0.0323	0.0164	-0.0149	0.0178						
6/30/2011	0.1008	0.0378	0.0187	0.0084	0.0038	0.0064							
6/30/2012	0.1854	0.0077	0.0225	0.0048	0.0082								
6/30/2013	0.1070	0.0231	0.0447	0.0143									
6/30/2014	0.1086	0.0629	0.0300										
6/30/2015	0.1187	0.0708											
6/30/2016	0.1155												
Best 3/5	0.1142	0.0413	0.0324	0.0092	0.0051	0.0035	0.0048	0.0031	-0.0004	0.0000	0.0000	0.0000	0.0000

```
                        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
6/30/1998	782,794	701,932	703,469	745,293	712,467	714,573	791,959	791,959	784,485	748,645	748,645
6/30/1999	785,473	1,071,204	941,466	860,122	919,898	985,653	989,153	939,953	907,853	907,853	907,188
6/30/2000	838,876	831,788	867,845	859,885	885,046	805,788	797,111	735,248	735,248	735,248	735,248
6/30/2001	683,615	613,855	569,542	669,751	773,576	695,426	766,525	756,525	756,525	744,525	769,525
6/30/2002	733,179	869,597	821,197	802,833	851,529	850,951	827,096	827,096	826,977	824,232	824,232
6/30/2003	665,238	699,913	612,640	637,219	627,144	627,144	627,144	629,644	627,144	627,144	628,144
6/30/2004	618,714	721,774	876,813	1,008,128	965,529	1,010,794	1,027,529	1,026,429	1,026,429	1,038,108	1,038,108
6/30/2005	522,261	591,562	586,867	625,568	570,144	604,022	524,971	527,471	524,971	525,917	525,917
6/30/2006	435,530	426,977	367,641	385,406	366,975	506,678	506,678	531,678	531,678	531,678	531,678
6/30/2007	586,193	600,185	704,437	697,464	688,844	688,844	678,844	678,844	678,694	678,694	678,694
6/30/2008	636,160	554,506	514,706	499,599	543,598	608,598	633,598	608,598	608,598	608,598	
6/30/2009	679,133	525,502	532,855	525,460	597,760	574,460	574,460	574,460	574,460		
6/30/2010	892,618	1,003,219	932,454	849,808	814,214	778,307	778,307	778,307			
6/30/2011	980,299	935,886	961,207	927,442	981,539	1,056,539	1,059,039				
6/30/2012	744,784	633,109	746,605	737,652	740,052	650,052					
6/30/2013	836,342	912,131	916,505	886,313	910,676						
6/30/2014	767,499	791,966	635,732	606,232							
6/30/2015	797,795	770,435	839,848								
6/30/2016	614,224	582,474									
6/30/2017	689,876										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	747,112	747,112	749,612	749,612	781,552	746,552	746,552	746,552	746,552
6/30/1999	907,188	907,188	907,188	907,188	942,188	942,188	942,188	1,007,188	
6/30/2000	735,248	735,248	735,248	735,248	735,248	735,248	735,248		
6/30/2001	759,525	759,525	759,525	759,525	759,525	759,525			
6/30/2002	824,232	824,232	824,232	824,232	824,232				
6/30/2003	627,144	627,144	627,144	627,144					
6/30/2004	1,038,108	1,038,108	1,038,108						
6/30/2005	600,917	600,917							
6/30/2006	531,678								

```
                    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
6/30/1998	0.897	1.002	1.059	0.956	1.003	1.108	1.000	0.991	0.954	1.000	0.998
6/30/1999	1.364	0.879	0.914	1.069	1.071	1.004	0.950	0.966	1.000	0.999	1.000
6/30/2000	0.992	1.043	0.991	1.029	0.910	0.989	0.922	1.000	1.000	1.000	1.000
6/30/2001	0.898	0.928	1.176	1.155	0.899	1.102	0.987	1.000	0.984	1.034	0.987
6/30/2002	1.186	0.944	0.978	1.061	0.999	0.972	1.000	1.000	0.997	1.000	1.000
6/30/2003	1.052	0.875	1.040	0.984	1.000	1.000	1.004	0.996	1.000	1.002	0.998
6/30/2004	1.167	1.215	1.150	0.958	1.047	1.017	0.999	1.000	1.011	1.000	1.000
6/30/2005	1.133	0.992	1.066	0.911	1.059	0.869	1.005	0.995	1.002	1.000	1.143
6/30/2006	0.980	0.861	1.048	0.952	1.381	1.000	1.049	1.000	1.000	1.000	1.000
6/30/2007	1.024	1.174	0.990	0.988	1.000	0.985	1.000	1.000	1.000	1.000	
6/30/2008	0.872	0.928	0.971	1.088	1.120	1.041	0.961	1.000	1.000		
6/30/2009	0.774	1.014	0.986	1.138	0.961	1.000	1.000	1.000			
6/30/2010	1.124	0.929	0.911	0.958	0.956	1.000	1.000				
6/30/2011	0.955	1.027	0.965	1.058	1.076	1.002					
6/30/2012	0.850	1.179	0.988	1.003	0.878						
6/30/2013	1.091	1.005	0.967	1.027							
6/30/2014	1.032	0.803	0.954								
6/30/2015	0.966	1.090									
6/30/2016	0.948										
3 Yr Mean	0.982	0.966	0.970	1.029	0.970	1.001	0.987	1.000	1.000	1.000	1.048
Best 3/5	0.982	1.041	0.962	1.029	0.998	1.001	1.000	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
6/30/1998	1.000	1.003	1.000	1.043	0.955	1.000	1.000	1.000
6/30/1999	1.000	1.000	1.000	1.039	1.000	1.000	1.069	1.000 *
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	1.013 *	1.000 *	1.000 *	1.000 *
6/30/2003	1.000	1.000	1.000					
6/30/2004	1.000	1.000						
6/30/2005	1.000							
3 Yr Mean	1.000	1.000	1.000	1.000	1.000 @	1.000 @	1.035 @	1.000 @
Best 3/5	1.000	1.000	1.000	1.013	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
6/30/2013					0.998	1.001	1.000	1.000	1.001	1.000	1.000
6/30/2014				1.029	0.998	1.001	1.000	1.000	1.001	1.000	1.000
6/30/2015			0.962	1.029	0.998	1.001	1.000	1.000	1.001	1.000	1.000
6/30/2016		1.041	0.962	1.029	0.998	1.001	1.000	1.000	1.001	1.000	1.000
6/30/2017	0.982	1.041	0.962	1.029	0.998	1.001	1.000	1.000	1.001	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2013	1.000	1.000	1.000	1.013	1.000	1.000	1.000	1.000	1.000*	1.013
6/30/2014	1.000	1.000	1.000	1.013	1.000	1.000	1.000	1.000	1.000*	1.042
6/30/2015	1.000	1.000	1.000	1.013	1.000	1.000	1.000	1.000	1.000*	1.003
6/30/2016	1.000	1.000	1.000	1.013	1.000	1.000	1.000	1.000	1.000*	1.044
6/30/2017	1.000	1.000	1.000	1.013	1.000	1.000	1.000	1.000	1.000*	1.025

```
   * 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.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/1998	72,737	63,260	100,736	125,095	150,730	156,676	156,774	156,774	178,348	182,684	182,684
6/30/1999	81,911	613,981	825,518	99,524	135,159	216,622	224,037	280,006	221,872	221,872	221,872
6/30/2000	97,578	117,432	145,356	166,282	209,903	224,528	237,560	323,229	323,229	323,229	323,229
6/30/2001	45,585	61,637	109,502	162,354	219,591	224,902	227,028	305,807	307,986	309,850	327,118
6/30/2002	48,474	134,060	173,613	267,528	280,373	283,861	292,426	289,631	289,750	289,750	289,750
6/30/2003	52,412	91,230	127,672	169,073	205,779	218,784	239,809	257,893	242,893	242,893	242,893
6/30/2004	86,556	274,680	221,836	252,932	261,484	251,792	271,440	273,065	272,261	260,582	260,582
6/30/2005	34,743	61,556	129,187	265,075	265,099	328,052	359,469	409,072	406,701	410,414	444,618
6/30/2006	106,288	59,322	65,496	87,835	81,440	86,066	87,712	104,518	104,756	104,756	104,756
6/30/2007	94,022	366,100	482,495	533,385	546,341	567,701	589,013	589,348	589,348	589,348	589,348
6/30/2008	33,418	56,755	63,360	112,741	178,248	197,786	233,124	269,490	305,193	309,430	
6/30/2009	106,915	139,634	186,007	200,577	250,577	278,485	278,485	278,485	278,485		
6/30/2010	76,199	239,305	440,284	493,905	497,129	493,091	493,091	493,091			
6/30/2011	47,298	145,591	132,762	247,109	312,742	351,585	325,449				
6/30/2012	124,367	138,646	189,621	195,496	197,436	214,410					
6/30/2013	57,024	86,668	120,833	104,274	99,483						
6/30/2014	63,586	266,000	200,378	197,582							
6/30/2015	54,199	141,516	178,640								
6/30/2016	81,196	135,267									
6/30/2017	35,622										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	182,684	182,684	197,684	197,684	257,683	182,684	182,684	182,684	182,684
6/30/1999	221,872	221,872	221,872	221,872	308,872	308,871	339,871	334,247	
6/30/2000	323,229	323,229	323,229	323,229	323,229	323,229	323,229		
6/30/2001	313,513	313,513	313,513	313,513	313,513	313,513			
6/30/2002	289,750	289,750	289,750	289,750	289,750				
6/30/2003	242,893	242,893	242,893	242,893					
6/30/2004	260,582	260,582	260,582						
6/30/2005	456,972	480,032							
6/30/2006	104,756								

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

Increments

A.Y.E.	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
6/30/1998	-9,477	37,476	24,359	25,635	5,946	98	0	21,574	4,336	0	0	0	15,000
6/30/1999	532,070	211,537	-725,994	35,635	81,463	7,415	55,969	-58,134	0	0	0	0	0
6/30/2000	19,854	27,924	20,926	43,621	14,625	13,032	85,669	0	0	0	0	0	0
6/30/2001	16,052	47,865	52,852	57,237	5,311	2,126	78,779	2,179	1,864	17,268	-13,605	0	0
6/30/2002	85,586	39,553	93,915	12,845	3,488	8,565	-2,795	119	0	0	0	0	0
6/30/2003	38,818	36,442	41,401	36,706	13,005	21,025	18,084	-15,000	0	0	0	0	0
6/30/2004	188,124	-52,844	31,096	8,552	-9,692	19,648	1,625	-804	-11,679	0	0	0	0
6/30/2005	26,813	67,631	135,888	24	62,953	31,417	49,603	-2,371	3,713	34,204	12,354	23,060	
6/30/2006	-46,966	6,174	22,339	-6,395	4,626	1,646	16,806	238	0	0	0		
6/30/2007	272,078	116,395	50,890	12,956	21,360	21,312	335	0	0	0			
6/30/2008	23,337	6,605	49,381	65,507	19,538	35,338	36,366	35,703	4,237				
6/30/2009	32,719	46,373	14,570	50,000	27,908	0	0	0					
6/30/2010	163,106	200,979	53,621	3,224	-4,038	0	0						
6/30/2011	98,293	-12,829	114,347	65,633	38,843	-26,136							
6/30/2012	14,279	50,975	5,875	1,940	16,974								
6/30/2013	29,644	34,165	-16,559	-4,791									
6/30/2014	202,414	-65,622	-2,796										
6/30/2015	87,317	37,124											
6/30/2016	54,071												

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
6/30/1998	-0.0124	0.0490	0.0318	0.0335	0.0078	0.0001	0.0000	0.0282	0.0057	0.0000	0.0000	0.0000	0.0196
6/30/1999	0.4926	0.1959	-0.6722	0.0330	0.0754	0.0069	0.0518	-0.0538	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2000	0.0261	0.0367	0.0275	0.0573	0.0192	0.0171	0.1126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2001	0.0203	0.0606	0.0669	0.0725	0.0067	0.0027	0.0997	0.0028	0.0024	0.0219	-0.0172	0.0000	0.0000
6/30/2002	0.0722	0.0333	0.0792	0.0108	0.0029	0.0072	-0.0024	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.0429	0.0403	0.0458	0.0406	0.0144	0.0232	0.0200	-0.0166	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.1574	-0.0442	0.0260	0.0072	-0.0081	0.0164	0.0014	-0.0007	-0.0098	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0319	0.0805	0.1618	0.0000	0.0750	0.0374	0.0591	-0.0028	0.0044	0.0407	0.0147	0.0275	
6/30/2006	-0.0773	0.0102	0.0368	-0.0105	0.0076	0.0027	0.0277	0.0004	0.0000	0.0000	0.0000		
6/30/2007	0.2341	0.1002	0.0438	0.0111	0.0184	0.0183	0.0003	0.0000	0.0000	0.0000			
6/30/2008	0.0365	0.0103	0.0771	0.1023	0.0305	0.0552	0.0568	0.0558	0.0066				
6/30/2009	0.0540	0.0765	0.0240	0.0825	0.0460	0.0000	0.0000	0.0000					
6/30/2010	0.1946	0.2398	0.0640	0.0038	-0.0048	0.0000	0.0000						
6/30/2011	0.0604	-0.0079	0.0702	0.0403	0.0239	-0.0160							
6/30/2012	0.0178	0.0635	0.0073	0.0024	0.0212								
6/30/2013	0.0224	0.0258	-0.0125	-0.0036									
6/30/2014	0.2059	-0.0667	-0.0028										
6/30/2015	0.0923	0.0392											
6/30/2016	0.0777												
Best 3/5	0.0641	0.0190	0.0228	0.0155	0.0252	0.0061	0.0093	0.0001	0.0015	0.0000	0.0000	0.0000	0.0000

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
6/30/1998	70,883,652	117,155,879	138,554,869	145,775,673	153,659,916	155,255,490	155,768,583	155,291,787	154,687,505	154,116,614	153,518,606
6/30/1999	79,410,885	114,531,064	136,908,506	155,468,016	162,270,612	164,211,653	165,167,157	163,584,789	163,699,433	163,421,830	163,270,967
6/30/2000	62,256,695	97,708,747	142,978,549	160,479,786	166,267,589	166,088,015	165,346,478	164,392,934	163,600,620	163,292,344	162,911,426
6/30/2001	57,741,009	122,655,048	165,880,202	182,222,499	187,609,487	183,137,649	180,505,934	179,336,537	178,823,146	178,866,913	178,371,283
6/30/2002	57,431,486	100,084,883	132,690,752	149,437,020	147,869,547	144,349,898	142,129,621	140,872,839	140,779,776	140,411,285	140,721,258
6/30/2003	60,756,760	98,992,508	134,759,492	147,337,077	144,612,275	141,358,797	140,366,809	139,292,855	138,589,373	138,536,032	138,229,769
6/30/2004	65,491,176	107,028,654	142,508,994	148,327,799	144,827,017	142,979,756	140,495,019	139,660,314	139,276,222	139,654,947	139,524,846
6/30/2005	63,260,490	101,101,847	130,612,888	139,367,695	136,665,161	133,245,129	131,499,190	131,121,726	130,882,896	131,007,100	131,053,500
6/30/2006	68,623,876	103,487,470	129,250,917	133,868,894	130,869,528	129,132,704	129,731,118	129,827,676	128,935,201	128,437,955	128,043,568
6/30/2007	68,000,937	101,516,363	128,463,303	133,993,788	132,306,206	131,585,570	130,522,880	130,254,617	130,065,186	129,849,441	130,059,259
6/30/2008	74,331,057	110,486,252	141,231,497	147,723,987	145,397,115	143,945,838	143,968,620	143,234,465	142,737,539	142,762,876	
6/30/2009	72,228,602	113,666,991	138,158,042	148,097,843	146,172,839	144,900,674	144,231,507	143,325,314	142,767,859		
6/30/2010	80,223,010	113,000,625	143,033,138	148,951,096	149,132,447	146,971,559	146,267,113	146,694,743			
6/30/2011	80,461,808	122,715,128	151,572,648	165,168,188	163,837,192	161,210,741	161,237,528				
6/30/2012	72,587,240	106,878,674	135,542,530	142,560,603	142,170,825	141,911,247					
6/30/2013	67,735,813	108,278,753	130,547,356	136,961,475	139,613,302						
6/30/2014	81,462,506	121,985,347	158,414,146	171,073,376							
6/30/2015	68,974,492	107,303,884	142,865,700								
6/30/2016	60,635,896	99,087,326									
6/30/2017	69,308,488										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	153,820,953	153,906,123	153,930,024	153,933,582	153,860,231	153,760,734	153,846,627	153,907,056	153,961,485
6/30/1999	163,266,356	163,477,912	163,251,586	163,252,909	163,221,833	163,297,897	163,206,636	163,297,078	
6/30/2000	162,867,909	162,843,732	162,751,512	162,921,314	162,867,733	162,956,882	163,018,270		
6/30/2001	178,579,560	178,554,713	178,854,261	178,638,460	178,368,663	178,591,555			
6/30/2002	140,395,323	140,447,857	140,286,986	140,257,624	140,271,415				
6/30/2003	138,466,219	138,276,100	138,080,490	138,050,918					
6/30/2004	139,769,358	139,704,440	139,774,304						
6/30/2005	131,187,697	131,265,189							
6/30/2006	128,038,314								

PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
FULL COVERAGE
MULTISTATE
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE
Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/1998	1.653	1.183	1.052	1.054	1.010	1.003	0.997	0.996	0.996	0.996	1.002
6/30/1999	1.442	1.195	1.136	1.044	1.012	1.006	0.990	1.001	0.998	0.999	1.000
6/30/2000	1.569	1.463	1.122	1.036	0.999	0.996	0.994	0.995	0.998	0.998	1.000
6/30/2001	2.124	1.352	1.099	1.030	0.976	0.986	0.994	0.997	1.000	0.997	1.001
6/30/2002	1.743	1.326	1.126	0.990	0.976	0.985	0.991	0.999	0.997	1.002	0.998
6/30/2003	1.629	1.361	1.093	0.982	0.978	0.993	0.992	0.995	1.000	0.998	1.002
6/30/2004	1.634	1.332	1.041	0.976	0.987	0.983	0.994	0.997	1.003	0.999	1.002
6/30/2005	1.598	1.292	1.067	0.981	0.975	0.987	0.997	0.998	1.001	1.000	1.001
6/30/2006	1.508	1.249	1.036	0.978	0.987	1.005	1.001	0.993	0.996	0.997	1.000
6/30/2007	1.493	1.265	1.043	0.987	0.995	0.992	0.998	0.999	0.998	1.002	
6/30/2008	1.486	1.278	1.046	0.984	0.990	1.000	0.995	0.997	1.000		
6/30/2009	1.574	1.215	1.072	0.987	0.991	0.995	0.994	0.996			
6/30/2010	1.409	1.266	1.041	1.001	0.986	0.995	1.003				
6/30/2011	1.525	1.235	1.090	0.992	0.984	1.000					
6/30/2012	1.472	1.268	1.052	0.997	0.998						
6/30/2013	1.599	1.206	1.049	1.019							
6/30/2014	1.497	1.299	1.080								
6/30/2015	1.556	1.331									
6/30/2016	1.634										
3 Yr Mean	1.562	1.279	1.060	1.003	0.989	0.997	0.997	0.997	0.998	1.000	1.001
Best 3/5	1.551	1.267	1.060	0.997	0.989	0.997	0.998	0.997	1.000	0.999	1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/1998	1.001	1.000	1.000	1.000	0.999	1.001	1.000	1.000
6/30/1999	1.001	0.999	1.000	1.000	1.000	0.999	1.001	1.000 *
6/30/2000	1.000	0.999	1.001	1.000	1.001	1.000	1.000 *	1.000 *
6/30/2001	1.000	1.002	0.999	0.998	1.001	1.000 *	1.000 *	1.000 *
6/30/2002	1.000	0.999	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2003	0.999	0.999	1.000					
6/30/2004	1.000	1.001						
6/30/2005	1.001							
3 Yr Mean	1.000	1.000	1.000	0.999	1.001 @	1.000 @	1.001 @	1.000 @
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *

Development From

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
6/30/2013					0.989	0.997	0.998	0.997	1.000	0.999	1.001
6/30/2014				0.997	0.989	0.997	0.998	0.997	1.000	0.999	1.001
6/30/2015			1.060	0.997	0.989	0.997	0.998	0.997	1.000	0.999	1.001
6/30/2016		1.267	1.060	0.997	0.989	0.997	0.998	0.997	1.000	0.999	1.001
6/30/2017	1.551	1.267	1.060	0.997	0.989	0.997	0.998	0.997	1.000	0.999	1.001

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.981
6/30/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.978
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.037
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.314
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	2.038

  * 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
6/30/1998	5,427,648	10,610,137	12,121,343	14,289,584	15,088,869	15,525,226	14,393,464	14,401,259	14,962,960	14,517,503	14,538,503
6/30/1999	4,895,851	8,228,372	12,600,128	14,631,758	15,298,384	14,550,213	14,281,073	14,924,516	14,762,508	14,773,467	14,776,535
6/30/2000	3,881,876	8,095,107	13,441,165	16,447,101	13,383,613	13,655,586	15,048,489	14,280,156	14,129,295	14,171,206	13,965,398
6/30/2001	5,401,370	11,763,717	16,431,760	14,668,268	14,529,506	15,859,467	15,815,841	15,318,314	14,826,782	14,991,914	14,986,066
6/30/2002	5,086,944	9,988,658	13,213,568	14,614,310	14,243,134	14,851,215	14,034,434	14,433,849	14,115,978	14,302,587	14,419,977
6/30/2003	7,547,568	10,377,352	13,807,989	15,950,352	16,699,951	15,646,157	15,487,029	15,144,368	15,133,253	14,949,074	15,356,838
6/30/2004	6,393,168	10,986,353	14,285,069	17,182,890	15,952,362	16,266,952	15,132,323	15,684,869	15,430,550	15,641,088	15,538,518
6/30/2005	6,691,534	11,850,305	15,411,468	15,691,400	16,194,803	15,603,706	15,945,891	15,777,687	15,581,597	15,199,666	15,241,667
6/30/2006	8,597,858	13,340,176	17,747,235	19,398,016	18,142,499	18,470,649	18,434,343	18,331,856	18,393,144	18,246,027	18,256,655
6/30/2007	8,666,339	13,192,857	15,730,005	17,896,694	17,636,982	17,625,311	17,508,136	17,912,852	18,122,453	18,188,378	18,103,923
6/30/2008	11,512,926	14,866,932	18,753,577	20,514,838	20,733,233	19,885,579	20,299,573	20,247,210	20,222,164	20,073,480	
6/30/2009	7,029,606	13,862,909	16,667,935	17,277,477	18,275,980	18,061,540	18,395,761	18,154,741	18,391,552		
6/30/2010	10,575,287	14,789,436	17,539,348	19,137,801	19,835,080	20,180,292	20,036,294	19,640,833			
6/30/2011	10,971,477	16,292,367	19,673,745	21,257,437	21,397,170	21,413,762	21,528,792				
6/30/2012	8,805,961	15,415,883	20,470,134	22,286,951	22,584,730	22,531,458					
6/30/2013	9,012,591	16,288,943	18,478,508	20,173,158	20,095,259						
6/30/2014	11,760,080	17,546,995	21,104,242	23,811,491							
6/30/2015	8,643,777	15,314,419	21,352,381								
6/30/2016	9,927,544	14,640,652									
6/30/2017	10,134,801										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	14,533,503	14,533,604	14,516,253	14,536,253	14,536,253	14,516,253	14,516,253	14,516,253	14,616,253
6/30/1999	14,773,229	14,756,630	14,729,090	14,631,630	14,531,630	14,531,632	14,531,630	14,631,630	
6/30/2000	14,014,544	14,104,944	14,038,445	14,043,440	14,038,440	13,944,940	13,944,940		
6/30/2001	14,882,928	15,103,208	15,126,112	15,086,912	15,084,411	15,084,411			
6/30/2002	15,000,300	15,044,229	15,139,889	15,254,290	15,112,618				
6/30/2003	15,540,006	15,596,473	15,592,304	15,543,303					
6/30/2004	15,537,405	15,600,804	15,600,804						
6/30/2005	15,207,090	14,981,457							
6/30/2006	18,289,857								

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
6/30/1998	1.955	1.142	1.179	1.056	1.029	0.927	1.001	1.039	0.970	1.001	1.000
6/30/1999	1.681	1.531	1.161	1.046	0.951	0.982	1.045	0.989	1.001	1.000	1.000
6/30/2000	2.085	1.660	1.224	0.814	1.020	1.102	0.949	0.989	1.003	0.985	1.004
6/30/2001	2.178	1.397	0.893	0.991	1.092	0.997	0.969	0.968	1.011	1.000	0.993
6/30/2002	1.964	1.323	1.106	0.975	1.043	0.945	1.028	0.978	1.013	1.008	1.040
6/30/2003	1.375	1.331	1.155	1.047	0.937	0.990	0.978	0.999	0.988	1.027	1.012
6/30/2004	1.718	1.300	1.203	0.928	1.020	0.930	1.037	0.984	1.014	0.993	1.000
6/30/2005	1.771	1.301	1.018	1.032	0.964	1.022	0.989	0.988	0.975	1.003	0.998
6/30/2006	1.552	1.330	1.093	0.935	1.018	0.998	0.994	1.003	0.992	1.001	1.002
6/30/2007	1.522	1.192	1.138	0.985	0.999	0.993	1.023	1.012	1.004	0.995	
6/30/2008	1.291	1.261	1.094	1.011	0.959	1.021	0.997	0.999	0.993		
6/30/2009	1.972	1.202	1.037	1.058	0.988	1.019	0.987	1.013			
6/30/2010	1.398	1.186	1.091	1.036	1.017	0.993	0.980				
6/30/2011	1.485	1.208	1.080	1.007	1.001	1.005					
6/30/2012	1.751	1.328	1.089	1.013	0.998						
6/30/2013	1.807	1.134	1.092	0.996							
6/30/2014	1.492	1.203	1.128								
6/30/2015	1.772	1.394									
6/30/2016	1.475										
3 Yr Mean	1.580	1.244	1.103	1.005	1.005	1.006	0.988	1.008	0.996	1.000	1.000
Best 3/5	1.672	1.246	1.091	1.019	0.996	1.006	0.993	1.005	0.996	1.000	1.005

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/1998	1.000	0.999	1.001	1.000	0.999	1.000	1.000	1.007
6/30/1999	0.999	0.998	0.993	0.993	1.000	1.000	1.007	1.000 *
6/30/2000	1.006	0.995	1.000	1.000	0.993	1.000	1.000 *	1.000 *
6/30/2001	1.015	1.002	0.997	1.000	1.000	1.000 *	1.000 *	1.000 *
6/30/2002	1.003	1.006	1.008	0.991	0.998 *	1.000 *	1.000 *	1.000 *
6/30/2003	1.004	1.000	0.997					
6/30/2004	1.004	1.000						
6/30/2005	0.985							
3 Yr Mean	0.998	1.002	1.001	0.997	0.998 @	1.000 @	1.004 @	1.007 @
Best 3/5	1.004	1.001	0.998	0.998	0.999 *	1.000 *	1.000 *	1.000 *

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2013					0.996	1.006	0.993	1.005	0.996	1.000	1.005
6/30/2014				1.019	0.996	1.006	0.993	1.005	0.996	1.000	1.005
6/30/2015			1.091	1.019	0.996	1.006	0.993	1.005	0.996	1.000	1.005
6/30/2016		1.246	1.091	1.019	0.996	1.006	0.993	1.005	0.996	1.000	1.005
6/30/2017	1.672	1.246	1.091	1.019	0.996	1.006	0.993	1.005	0.996	1.000	1.005

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2013	1.004	1.001	0.998	0.998	0.999	1.000	1.000	1.000	1.000*	1.001
6/30/2014	1.004	1.001	0.998	0.998	0.999	1.000	1.000	1.000	1.000*	1.020
6/30/2015	1.004	1.001	0.998	0.998	0.999	1.000	1.000	1.000	1.000*	1.113
6/30/2016	1.004	1.001	0.998	0.998	0.999	1.000	1.000	1.000	1.000*	1.386
6/30/2017	1.004	1.001	0.998	0.998	0.999	1.000	1.000	1.000	1.000*	2.318

  * 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

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
6/30/1998	12,615,018	25,576,917	43,993,354	58,078,746	68,334,302	74,846,379	79,732,666	81,967,090	83,739,784	84,500,452	84,397,019
6/30/1999	9,915,762	26,061,291	43,252,763	59,696,365	70,710,064	79,592,641	82,531,544	84,051,973	85,251,017	85,415,013	86,192,406
6/30/2000	9,384,283	22,498,400	45,011,370	67,814,790	82,110,277	87,578,148	95,722,443	97,123,483	95,025,314	98,131,014	95,313,618
6/30/2001	9,746,489	28,596,485	56,251,082	82,014,103	99,613,884	106,752,395	110,139,510	112,668,599	114,329,867	115,345,258	116,939,736
6/30/2002	10,674,954	26,314,199	50,228,867	73,682,571	85,453,092	90,486,558	97,827,295	99,452,783	99,744,567	100,710,360	100,495,086
6/30/2003	10,414,674	26,845,968	48,413,702	68,282,447	78,490,844	85,771,220	88,522,562	90,475,555	91,325,915	91,695,564	91,801,393
6/30/2004	9,044,142	23,675,923	48,935,724	69,482,282	79,127,783	86,964,887	89,549,193	91,023,843	91,083,385	91,748,275	92,005,297
6/30/2005	9,303,358	24,952,852	45,783,693	65,119,211	75,727,955	79,943,989	81,692,110	82,661,704	84,374,901	84,536,565	85,183,949
6/30/2006	6,978,673	22,940,994	45,743,500	63,452,597	75,529,008	81,052,117	86,397,635	89,079,853	89,952,648	92,137,532	92,195,225
6/30/2007	8,474,298	24,387,159	48,505,246	66,759,107	76,098,308	81,729,351	84,641,967	86,443,063	87,130,169	87,870,284	88,060,800
6/30/2008	9,168,809	25,025,338	53,279,806	74,612,424	88,394,384	94,496,177	100,082,969	102,630,654	103,785,124	104,433,817	
6/30/2009	9,560,339	26,164,355	50,479,819	71,950,614	84,333,457	94,407,913	96,915,321	98,438,715	99,525,108		
6/30/2010	12,062,682	30,712,122	60,995,762	86,917,287	99,719,885	105,565,433	107,457,382	109,864,466			
6/30/2011	12,677,627	36,561,204	62,374,907	88,535,815	102,228,713	115,084,849	118,170,292				
6/30/2012	12,232,208	30,681,561	61,260,927	86,522,396	101,220,650	109,835,247					
6/30/2013	10,926,364	30,936,924	59,087,214	86,008,767	100,041,584						
6/30/2014	10,921,545	31,888,664	65,994,709	94,420,417							
6/30/2015	10,848,084	29,582,681	61,547,234								
6/30/2016	9,035,941	29,977,868									
6/30/2017	12,427,407										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	84,213,688	84,293,647	84,661,994	85,143,950	85,229,436	85,312,999	85,208,251	85,412,588	85,522,622
6/30/1999	87,103,631	87,086,535	87,161,588	87,213,497	87,227,639	87,312,068	87,390,168	87,470,094	
6/30/2000	95,502,811	95,708,210	95,795,565	95,924,616	95,980,422	96,256,619	96,322,869		
6/30/2001	117,780,427	117,916,975	118,818,023	119,541,948	119,833,675	120,664,582			
6/30/2002	100,815,462	101,399,832	102,221,350	102,322,319	102,409,284				
6/30/2003	92,026,915	92,792,338	92,926,791	93,146,282					
6/30/2004	92,385,460	92,451,784	92,450,453						
6/30/2005	85,234,255	85,864,119							
6/30/2006	92,947,132								

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

Increments

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/1998	12,961,899	18,416,437	14,085,392	10,255,556	6,512,077	4,886,287	2,234,424	1,772,694	760,668	-103,433	-183,331	79,959	368,347
6/30/1999	16,145,529	17,191,472	16,443,602	11,013,699	8,882,577	2,938,903	1,520,429	1,199,044	163,996	777,393	911,225	-17,096	75,053
6/30/2000	13,114,117	22,512,970	22,803,420	14,295,487	5,467,871	8,144,295	1,401,040	-2,098,169	3,105,700	-2,817,396	189,193	205,399	87,355
6/30/2001	18,849,996	27,654,597	25,763,021	17,599,781	7,138,511	3,387,115	2,529,089	1,661,268	1,015,391	1,594,478	840,691	136,548	901,048
6/30/2002	15,639,245	23,914,668	23,453,704	11,770,521	5,033,466	7,340,737	1,625,488	291,784	965,793	-215,274	320,376	584,370	821,518
6/30/2003	16,431,294	21,567,734	19,868,745	10,208,397	7,280,376	2,751,342	1,952,993	850,360	369,649	105,829	225,522	765,423	134,453
6/30/2004	14,631,781	25,259,801	20,546,558	9,645,501	7,837,104	2,584,306	1,474,650	59,542	664,890	257,022	380,163	66,324	-1,331
6/30/2005	15,649,494	20,830,841	19,335,518	10,608,744	4,216,034	1,748,121	969,594	1,713,197	161,664	647,384	50,306	629,864	
6/30/2006	15,962,321	22,802,506	17,709,097	12,076,411	5,523,109	5,345,518	2,682,218	872,795	2,184,884	57,693	751,907		
6/30/2007	15,912,861	24,118,087	18,253,861	9,339,201	5,631,043	2,912,616	1,801,096	687,106	740,115	190,516			
6/30/2008	15,856,529	28,254,468	21,332,618	13,781,960	6,101,793	5,586,792	2,547,685	1,154,470	648,693				
6/30/2009	16,604,016	24,315,464	21,470,795	12,382,843	10,074,456	2,507,408	1,523,394	1,086,393					
6/30/2010	18,649,440	30,283,640	25,921,525	12,802,598	5,845,548	1,891,949	2,407,084						
6/30/2011	23,883,577	25,813,703	26,160,908	13,692,898	12,856,136	3,085,443							
6/30/2012	18,449,353	30,579,366	25,261,469	14,698,254	8,614,597								
6/30/2013	20,010,560	28,150,290	26,921,553	14,032,817									
6/30/2014	20,967,119	34,106,045	28,425,708										
6/30/2015	18,734,597	31,964,553											
6/30/2016	20,941,927												

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
6/30/1998	0.0478	0.0679	0.0520	0.0378	0.0240	0.0180	0.0082	0.0065	0.0028	-0.0004	-0.0007	0.0003	0.0014
6/30/1999	0.0542	0.0577	0.0552	0.0370	0.0298	0.0099	0.0051	0.0040	0.0006	0.0026	0.0031	-0.0001	0.0003
6/30/2000	0.0444	0.0761	0.0771	0.0483	0.0185	0.0275	0.0047	-0.0071	0.0105	-0.0095	0.0006	0.0007	0.0003
6/30/2001	0.0579	0.0850	0.0791	0.0541	0.0219	0.0104	0.0078	0.0051	0.0031	0.0049	0.0026	0.0004	0.0028
6/30/2002	0.0611	0.0935	0.0917	0.0460	0.0197	0.0287	0.0064	0.0011	0.0038	-0.0008	0.0013	0.0023	0.0032
6/30/2003	0.0636	0.0835	0.0769	0.0395	0.0282	0.0106	0.0076	0.0033	0.0014	0.0004	0.0009	0.0030	0.0005
6/30/2004	0.0563	0.0972	0.0790	0.0371	0.0301	0.0099	0.0057	0.0002	0.0026	0.0010	0.0015	0.0003	0.0000
6/30/2005	0.0653	0.0869	0.0807	0.0443	0.0176	0.0073	0.0040	0.0071	0.0007	0.0027	0.0002	0.0026	
6/30/2006	0.0668	0.0955	0.0742	0.0506	0.0231	0.0224	0.0112	0.0037	0.0092	0.0002	0.0031		
6/30/2007	0.0628	0.0952	0.0721	0.0369	0.0222	0.0115	0.0071	0.0027	0.0029	0.0008			
6/30/2008	0.0566	0.1009	0.0762	0.0492	0.0218	0.0199	0.0091	0.0041	0.0023				
6/30/2009	0.0605	0.0885	0.0782	0.0451	0.0367	0.0091	0.0055	0.0040					
6/30/2010	0.0704	0.1143	0.0978	0.0483	0.0221	0.0071	0.0091						
6/30/2011	0.0776	0.0838	0.0850	0.0445	0.0418	0.0100							
6/30/2012	0.0667	0.1105	0.0913	0.0531	0.0311								
6/30/2013	0.0732	0.1029	0.0985	0.0513									
6/30/2014	0.0636	0.1035	0.0862										
6/30/2015	0.0647	0.1105											
6/30/2016	0.0839												
Best 3/5	0.0682	0.1056	0.0918	0.0482	0.0300	0.0102	0.0084	0.0039	0.0026	0.0007	0.0012	0.0018	0.0012

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
6/30/1998	87,454,828	101,751,390	107,459,304	118,364,179	118,704,161	119,561,244	120,245,995	119,154,942	119,328,495	118,807,912	118,883,610
6/30/1999	101,622,351	114,454,848	131,609,187	129,619,851	132,260,735	131,890,828	131,028,007	129,895,439	130,352,216	130,339,384	130,701,810
6/30/2000	112,892,420	139,239,190	142,606,630	147,889,328	148,013,284	147,503,832	146,306,152	146,964,661	147,488,452	147,932,853	147,834,960
6/30/2001	121,836,644	131,452,412	142,117,318	147,319,117	148,323,680	148,879,832	149,785,461	149,661,284	150,383,301	151,387,386	151,787,396
6/30/2002	103,073,841	117,467,542	122,898,883	125,286,615	125,980,086	126,968,516	126,875,681	127,289,949	127,427,068	128,008,598	128,525,966
6/30/2003	90,536,427	101,316,491	107,474,166	108,950,273	108,899,883	109,730,826	109,889,282	111,029,036	111,413,812	111,563,152	111,783,276
6/30/2004	99,924,101	114,116,589	119,654,986	120,323,334	120,754,088	120,957,358	120,868,966	121,538,663	121,844,437	121,998,581	122,320,830
6/30/2005	104,361,655	112,384,264	113,861,418	116,559,532	117,478,221	117,671,808	118,465,360	119,239,141	119,356,363	120,049,130	120,088,035
6/30/2006	107,245,778	117,847,934	120,921,973	121,928,911	123,056,151	123,988,042	125,232,198	126,300,555	126,894,381	127,713,546	127,954,053
6/30/2007	113,427,182	124,369,609	127,598,162	128,944,475	130,566,694	132,140,560	133,262,541	134,273,970	135,084,687	136,130,419	136,086,696
6/30/2008	121,381,537	132,633,683	135,515,177	136,665,218	139,086,909	140,694,061	141,677,915	142,502,985	143,241,498	143,769,349	
6/30/2009	125,642,191	135,248,901	138,182,211	141,125,682	140,565,653	141,799,077	142,357,812	143,093,801	144,799,226		
6/30/2010	118,310,295	129,563,870	131,912,439	133,945,750	135,387,833	135,581,972	136,410,662	136,698,597			
6/30/2011	129,887,193	141,698,572	145,634,398	145,651,351	146,089,595	146,960,618	147,915,639				
6/30/2012	134,064,698	143,323,306	145,814,262	146,652,080	147,739,200	148,741,609					
6/30/2013	125,683,981	136,487,584	141,617,186	143,101,268	143,888,135						
6/30/2014	122,995,577	133,779,959	138,493,471	139,941,217							
6/30/2015	123,912,097	135,166,887	141,549,113								
6/30/2016	125,566,722	139,638,372									
6/30/2017	135,246,367										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	119,073,941	119,167,260	119,271,271	119,249,390	119,297,183	119,325,979	119,374,856	119,194,623	119,397,243
6/30/1999	130,763,217	131,086,574	130,813,031	130,984,934	131,022,057	130,945,671	131,023,534	131,236,955	
6/30/2000	148,426,101	147,705,515	147,641,584	147,621,725	147,712,382	147,709,144	147,939,380		
6/30/2001	151,695,253	151,587,251	151,832,130	151,744,181	151,924,640	152,090,049			
6/30/2002	128,494,220	128,676,368	129,074,641	129,567,378	129,671,956				
6/30/2003	112,256,649	112,389,414	112,577,798	112,568,949					
6/30/2004	122,583,719	122,705,391	123,139,412						
6/30/2005	120,176,733	120,586,774							
6/30/2006	128,042,083								

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
6/30/1998	1.163	1.056	1.101	1.003	1.007	1.006	0.991	1.001	0.996	1.001	1.002
6/30/1999	1.126	1.150	0.985	1.020	0.997	0.993	0.991	1.004	1.000	1.003	1.000
6/30/2000	1.233	1.024	1.037	1.001	0.997	0.992	1.005	1.004	1.003	0.999	1.004
6/30/2001	1.079	1.081	1.037	1.007	1.004	1.006	0.999	1.005	1.007	1.003	0.999
6/30/2002	1.140	1.046	1.019	1.006	1.008	0.999	1.003	1.001	1.005	1.004	1.000
6/30/2003	1.119	1.061	1.014	1.000	1.008	1.001	1.010	1.003	1.001	1.002	1.004
6/30/2004	1.142	1.049	1.006	1.004	1.002	0.999	1.006	1.003	1.001	1.003	1.002
6/30/2005	1.077	1.013	1.024	1.008	1.002	1.007	1.007	1.001	1.006	1.000	1.001
6/30/2006	1.099	1.026	1.008	1.009	1.008	1.010	1.009	1.005	1.006	1.002	1.001
6/30/2007	1.096	1.026	1.011	1.013	1.012	1.008	1.008	1.006	1.008	1.000	
6/30/2008	1.093	1.022	1.008	1.018	1.012	1.007	1.006	1.005	1.004		
6/30/2009	1.076	1.022	1.021	0.996	1.009	1.004	1.005	1.012			
6/30/2010	1.095	1.018	1.015	1.011	1.001	1.006	1.002				
6/30/2011	1.091	1.028	1.000	1.003	1.006	1.006					
6/30/2012	1.069	1.017	1.006	1.007	1.007						
6/30/2013	1.086	1.038	1.010	1.005							
6/30/2014	1.088	1.035	1.010								
6/30/2015	1.091	1.047									
6/30/2016	1.112										
3 Yr Mean	1.097	1.040	1.009	1.005	1.005	1.005	1.004	1.008	1.006	1.001	1.001
Best 3/5	1.088	1.034	1.009	1.005	1.007	1.006	1.006	1.005	1.005	1.001	1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/1998	1.001	1.001	1.000	1.000	1.000	1.000	0.998	1.002
6/30/1999	1.002	0.998	1.001	1.000	0.999	1.001	1.002	1.000 *
6/30/2000	0.995	1.000	1.000	1.001	1.000	1.002	1.000 *	1.000 *
6/30/2001	0.999	1.002	0.999	1.001	1.001	1.000 *	1.000 *	1.000 *
6/30/2002	1.001	1.003	1.004	1.001	1.001 *	1.000 *	1.000 *	1.000 *
6/30/2003	1.001	1.002	1.000					
6/30/2004	1.001	1.004						
6/30/2005	1.003							
3 Yr Mean	1.002	1.003	1.001	1.001	1.000 @	1.001 @	1.000 @	1.002 @
Best 3/5	1.001	1.002	1.000	1.001	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
6/30/2013					1.007	1.006	1.006	1.005	1.005	1.001	1.001
6/30/2014				1.005	1.007	1.006	1.006	1.005	1.005	1.001	1.001
6/30/2015			1.009	1.005	1.007	1.006	1.006	1.005	1.005	1.001	1.001
6/30/2016		1.034	1.009	1.005	1.007	1.006	1.006	1.005	1.005	1.001	1.001
6/30/2017	1.088	1.034	1.009	1.005	1.007	1.006	1.006	1.005	1.005	1.001	1.001

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2013	1.001	1.002	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	1.036
6/30/2014	1.001	1.002	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	1.041
6/30/2015	1.001	1.002	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	1.050
6/30/2016	1.001	1.002	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	1.086
6/30/2017	1.001	1.002	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	1.181

  * 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
6/30/1998	21,040,176	24,382,592	24,995,600	26,679,639	27,420,041	27,883,328	28,198,947	28,444,648	28,314,914	28,721,598	28,494,325
6/30/1999	18,242,395	20,875,398	22,614,091	24,358,169	26,385,747	26,857,501	26,956,335	27,200,893	27,294,006	27,381,145	27,360,907
6/30/2000	18,529,705	23,278,039	26,185,932	28,319,677	29,059,643	28,980,802	29,221,440	29,024,650	29,138,873	29,463,691	29,731,285
6/30/2001	21,692,804	27,031,178	29,553,044	31,139,024	31,816,506	32,256,894	32,548,639	33,269,860	33,914,436	33,911,840	33,641,183
6/30/2002	19,755,806	24,286,206	24,662,678	24,782,824	25,101,023	26,416,701	26,469,784	27,122,355	27,113,667	27,179,224	27,176,371
6/30/2003	20,590,916	22,401,453	22,598,535	23,166,428	24,320,908	24,201,785	24,691,698	24,907,899	25,101,997	25,306,871	25,337,210
6/30/2004	21,001,069	23,820,264	25,972,686	26,196,592	26,358,544	26,929,541	27,161,200	27,313,292	27,397,275	27,474,660	27,652,783
6/30/2005	22,361,630	25,223,418	26,978,817	27,542,932	27,835,369	27,615,533	27,886,798	28,041,050	28,550,931	28,742,096	28,833,273
6/30/2006	22,346,303	25,752,115	26,694,769	27,127,177	26,924,371	27,318,148	27,673,513	27,907,504	28,005,817	28,408,788	28,372,718
6/30/2007	25,908,881	27,607,426	28,698,815	28,739,602	28,747,995	28,572,948	29,142,784	28,983,663	29,026,828	29,148,146	29,198,057
6/30/2008	26,987,043	30,363,527	31,624,185	32,316,163	31,832,983	32,644,677	32,682,617	32,467,890	32,912,358	33,071,283	
6/30/2009	28,205,653	28,727,612	29,939,195	30,425,612	30,264,026	30,201,146	29,933,183	30,308,947	30,560,871		
6/30/2010	22,929,897	24,439,167	25,096,781	25,614,884	25,543,378	25,754,642	26,473,933	26,439,631			
6/30/2011	24,134,060	25,285,989	26,286,138	26,192,088	26,234,917	26,530,284	26,524,417				
6/30/2012	23,437,162	25,898,506	27,193,519	27,386,678	27,312,573	27,648,223					
6/30/2013	22,276,522	24,689,782	26,142,045	26,123,764	25,712,787						
6/30/2014	24,794,684	26,628,402	27,390,502	27,624,870							
6/30/2015	26,785,256	29,551,886	30,834,363								
6/30/2016	27,209,023	28,868,741									
6/30/2017	24,764,545										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	28,601,938	28,714,960	28,657,780	28,753,546	28,749,947	28,749,947	28,749,947	28,713,763	28,713,763
6/30/1999	27,387,400	27,454,857	27,396,526	27,392,378	27,394,378	27,392,378	27,380,003	27,396,670	
6/30/2000	29,674,067	29,489,183	29,488,780	29,443,780	29,446,111	29,294,088	29,310,655		
6/30/2001	33,818,646	33,991,805	34,101,073	34,109,665	34,009,478	34,058,545			
6/30/2002	27,360,428	27,401,957	27,240,041	27,106,124	27,116,288				
6/30/2003	25,405,807	25,346,749	25,300,702	25,387,518					
6/30/2004	27,723,111	27,690,028	27,726,743						
6/30/2005	28,767,937	28,966,816							
6/30/2006	28,619,696								

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
6/30/1998	1.159	1.025	1.067	1.028	1.017	1.011	1.009	0.995	1.014	0.992	1.004
6/30/1999	1.144	1.083	1.077	1.083	1.018	1.004	1.009	1.003	1.003	0.999	1.001
6/30/2000	1.256	1.125	1.081	1.026	0.997	1.008	0.993	1.004	1.011	1.009	0.998
6/30/2001	1.246	1.093	1.054	1.022	1.014	1.009	1.022	1.019	1.000	0.992	1.005
6/30/2002	1.229	1.016	1.005	1.013	1.052	1.002	1.025	1.000	1.002	1.000	1.007
6/30/2003	1.088	1.009	1.025	1.050	0.995	1.020	1.009	1.008	1.008	1.001	1.003
6/30/2004	1.134	1.090	1.009	1.006	1.022	1.009	1.006	1.003	1.003	1.006	1.003
6/30/2005	1.128	1.070	1.021	1.011	0.992	1.010	1.006	1.018	1.007	1.003	0.998
6/30/2006	1.152	1.037	1.016	0.993	1.015	1.013	1.008	1.004	1.014	0.999	1.009
6/30/2007	1.066	1.040	1.001	1.000	0.994	1.020	0.995	1.001	1.004	1.002	
6/30/2008	1.125	1.042	1.022	0.985	1.025	1.001	0.993	1.014	1.005		
6/30/2009	1.019	1.042	1.016	0.995	0.998	0.991	1.013	1.008			
6/30/2010	1.066	1.027	1.021	0.997	1.008	1.028	0.999				
6/30/2011	1.048	1.040	0.996	1.002	1.011	1.000					
6/30/2012	1.105	1.050	1.007	0.997	1.012						
6/30/2013	1.108	1.059	0.999	0.984							
6/30/2014	1.074	1.029	1.009								
6/30/2015	1.103	1.043									
6/30/2016	1.061										
3 Yr Mean	1.079	1.044	1.005	0.994	1.010	1.006	1.002	1.008	1.008	1.001	1.003
Best 3/5	1.094	1.044	1.005	0.996	1.010	1.007	1.001	1.009	1.005	1.002	1.004

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/1998	1.004	0.998	1.003	1.000	1.000	1.000	0.999	1.000
6/30/1999	1.002	0.998	1.000	1.000	1.000	1.000	1.001	1.000 *
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	1.001	1.000 *	1.000 *	1.000 *
6/30/2002	1.002	0.994	0.995	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2003	0.998	0.998	1.003					
6/30/2004	0.999	1.001						
6/30/2005	1.007							
3 Yr Mean	1.001	0.998	0.999	0.999	0.999 @	1.000 @	1.000 @	1.000 @
Best 3/5	1.002	1.000	0.999	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
6/30/2013					1.010	1.007	1.001	1.009	1.005	1.002	1.004
6/30/2014				0.996	1.010	1.007	1.001	1.009	1.005	1.002	1.004
6/30/2015			1.005	0.996	1.010	1.007	1.001	1.009	1.005	1.002	1.004
6/30/2016		1.044	1.005	0.996	1.010	1.007	1.001	1.009	1.005	1.002	1.004
6/30/2017	1.094	1.044	1.005	0.996	1.010	1.007	1.001	1.009	1.005	1.002	1.004

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2013	1.002	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.040
6/30/2014	1.002	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.035
6/30/2015	1.002	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.041
6/30/2016	1.002	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.086
6/30/2017	1.002	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.189

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

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

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/1998	6,965,882	12,267,775	20,879,606	28,993,156	32,897,850	39,220,804	45,935,642	55,023,386	54,522,450	54,230,465	54,758,318
6/30/1999	8,051,883	14,812,899	22,072,338	27,724,291	32,121,009	35,431,703	37,377,606	41,629,768	44,466,726	48,027,556	48,990,446
6/30/2000	9,521,930	17,395,125	22,918,949	30,972,194	37,135,739	43,268,515	46,950,399	50,274,808	53,545,122	54,978,251	54,827,825
6/30/2001	10,670,710	16,112,822	25,652,264	36,911,086	47,921,605	53,918,371	59,418,090	62,828,506	64,720,878	65,810,341	67,923,258
6/30/2002	7,782,033	15,681,527	22,682,927	30,394,678	37,293,488	42,353,470	44,989,715	46,502,614	48,243,526	48,682,289	49,461,319
6/30/2003	8,228,940	15,279,100	23,536,314	31,076,487	36,590,319	37,940,431	42,204,500	42,960,633	44,262,827	45,566,654	46,645,350
6/30/2004	6,920,523	14,301,925	22,895,038	30,985,197	35,717,956	38,936,601	40,097,949	41,715,941	43,069,217	43,693,608	44,241,378
6/30/2005	8,337,415	13,371,685	19,750,952	26,435,113	31,350,825	34,128,559	37,290,418	38,792,401	40,221,100	40,999,663	41,578,572
6/30/2006	8,055,264	15,259,706	23,865,830	30,547,802	36,879,783	41,567,520	43,836,499	46,155,132	47,793,075	49,154,885	50,492,895
6/30/2007	7,680,538	14,388,741	22,200,113	29,357,047	36,045,911	40,036,430	42,383,127	43,724,838	45,799,865	46,946,546	47,810,832
6/30/2008	9,400,658	18,268,541	27,534,894	34,489,697	41,456,844	43,352,494	45,648,497	49,876,743	52,359,867	54,799,344	
6/30/2009	8,727,512	16,404,627	24,558,766	32,468,534	38,108,520	41,112,809	42,937,180	44,406,618	45,854,141		
6/30/2010	9,763,719	19,845,570	26,543,715	34,679,544	39,520,079	41,736,020	45,132,756	46,344,352			
6/30/2011	9,739,623	17,266,139	26,768,767	33,233,183	37,133,049	40,256,981	42,129,105				
6/30/2012	10,820,288	18,785,777	26,784,781	30,541,393	35,124,317	38,157,342					
6/30/2013	10,484,818	20,935,358	32,754,852	43,345,596	50,998,205						
6/30/2014	9,876,012	20,177,698	29,524,304	36,549,198							
6/30/2015	8,200,212	16,501,762	25,515,472								
6/30/2016	10,627,180	21,513,646									
6/30/2017	10,462,309										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	54,995,637	55,100,168	55,549,048	55,327,897	55,420,839	55,382,031	55,384,333	55,422,139	55,470,605
6/30/1999	49,015,149	49,488,581	49,422,958	49,537,158	49,699,378	49,847,343	49,919,220	49,799,251	
6/30/2000	56,440,330	56,331,723	55,912,624	55,922,830	55,966,277	55,973,618	56,053,352		
6/30/2001	69,536,419	69,396,606	69,095,115	69,133,190	69,279,960	69,464,653			
6/30/2002	50,240,615	50,490,807	51,450,923	51,707,136	51,751,394				
6/30/2003	47,575,166	48,655,362	48,941,828	49,017,716					
6/30/2004	44,721,109	45,259,913	47,222,553						
6/30/2005	41,575,277	42,438,089							
6/30/2006	51,611,093								

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
6/30/1998	5,301,893	8,611,831	8,113,550	3,904,694	6,322,954	6,714,838	9,087,744	-500,936	-291,985	527,853	237,319	104,531	448,880
6/30/1999	6,761,016	7,259,439	5,651,953	4,396,718	3,310,694	1,945,903	4,252,162	2,836,958	3,560,830	962,890	24,703	473,432	-65,623
6/30/2000	7,873,195	5,523,824	8,053,245	6,163,545	6,132,776	3,681,884	3,324,409	3,270,314	1,433,129	-150,426	1,612,505	-108,607	-419,099
6/30/2001	5,442,112	9,539,442	11,258,822	11,010,519	5,996,766	5,499,719	3,410,416	1,892,372	1,089,463	2,112,917	1,613,161	-139,813	-301,491
6/30/2002	7,899,494	7,001,400	7,711,751	6,898,810	5,059,982	2,636,245	1,512,899	1,740,912	438,763	779,030	779,296	250,192	960,116
6/30/2003	7,050,160	8,257,214	7,540,173	5,513,832	1,350,112	4,264,069	756,133	1,302,194	1,303,827	1,078,696	929,816	1,080,196	286,466
6/30/2004	7,381,402	8,593,113	8,090,159	4,732,759	3,218,645	1,161,348	1,617,992	1,353,276	624,391	547,770	479,731	538,804	1,962,640
6/30/2005	5,034,270	6,379,267	6,684,161	4,915,712	2,777,734	3,161,859	1,501,983	1,428,699	778,563	578,909	-3,295	862,812	
6/30/2006	7,204,442	8,606,124	6,681,972	6,331,981	4,687,737	2,268,979	2,318,633	1,637,943	1,361,810	1,338,010	1,118,198		
6/30/2007	6,708,203	7,811,372	7,156,934	6,688,864	3,990,519	2,346,697	1,341,711	2,075,027	1,146,681	864,286			
6/30/2008	8,867,883	9,266,353	6,954,803	6,967,147	1,895,650	2,296,003	4,228,246	2,483,124	2,439,477				
6/30/2009	7,677,115	8,154,139	7,909,768	5,639,986	3,004,289	1,824,371	1,469,438	1,447,523					
6/30/2010	10,081,851	6,698,145	8,135,829	4,840,535	2,215,941	3,396,736	1,211,596						
6/30/2011	7,526,516	9,502,628	6,464,416	3,899,866	3,123,932	1,872,124							
6/30/2012	7,965,489	7,999,004	3,756,612	4,582,924	3,033,025								
6/30/2013	10,450,540	11,819,494	10,590,744	7,652,609									
6/30/2014	10,301,686	9,346,606	7,024,894										
6/30/2015	8,301,550	9,013,710											
6/30/2016	10,886,466												

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
6/30/1998	0.0347	0.0564	0.0532	0.0256	0.0414	0.0440	0.0596	-0.0033	-0.0019	0.0035	0.0016	0.0007	0.0029
6/30/1999	0.0411	0.0441	0.0343	0.0267	0.0201	0.0118	0.0258	0.0172	0.0216	0.0058	0.0002	0.0029	-0.0004
6/30/2000	0.0409	0.0287	0.0419	0.0321	0.0319	0.0191	0.0173	0.0170	0.0075	-0.0008	0.0084	-0.0006	-0.0022
6/30/2001	0.0278	0.0488	0.0576	0.0563	0.0307	0.0281	0.0174	0.0097	0.0056	0.0108	0.0082	-0.0007	-0.0015
6/30/2002	0.0475	0.0421	0.0464	0.0415	0.0304	0.0159	0.0091	0.0105	0.0026	0.0047	0.0047	0.0015	0.0058
6/30/2003	0.0481	0.0563	0.0514	0.0376	0.0092	0.0291	0.0052	0.0089	0.0089	0.0074	0.0063	0.0074	0.0020
6/30/2004	0.0465	0.0541	0.0509	0.0298	0.0203	0.0073	0.0102	0.0085	0.0039	0.0034	0.0030	0.0034	0.0124
6/30/2005	0.0324	0.0410	0.0430	0.0316	0.0179	0.0203	0.0097	0.0092	0.0050	0.0037	0.0000	0.0056	
6/30/2006	0.0438	0.0523	0.0406	0.0385	0.0285	0.0138	0.0141	0.0100	0.0083	0.0081	0.0068		
6/30/2007	0.0392	0.0456	0.0418	0.0391	0.0233	0.0137	0.0078	0.0121	0.0067	0.0050			
6/30/2008	0.0468	0.0489	0.0367	0.0367	0.0100	0.0121	0.0223	0.0131	0.0129				
6/30/2009	0.0403	0.0428	0.0415	0.0296	0.0158	0.0096	0.0077	0.0076					
6/30/2010	0.0555	0.0369	0.0448	0.0266	0.0122	0.0187	0.0067						
6/30/2011	0.0378	0.0477	0.0325	0.0196	0.0157	0.0094							
6/30/2012	0.0402	0.0403	0.0189	0.0231	0.0153								
6/30/2013	0.0535	0.0605	0.0542	0.0392									
6/30/2014	0.0537	0.0487	0.0366										
6/30/2015	0.0430	0.0466											
6/30/2016	0.0546												
Best 3/5	0.0500	0.0477	0.0380	0.0264	0.0144	0.0118	0.0099	0.0104	0.0067	0.0054	0.0047	0.0035	0.0021

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
6/30/1998	8,819,302	13,105,233	13,597,305	14,652,309	15,256,746	15,786,699	15,400,348	15,641,463	15,142,573	15,371,241	15,230,915
6/30/1999	8,527,033	12,023,330	13,487,437	14,562,814	14,409,546	14,775,381	14,775,242	15,402,696	15,323,290	15,283,428	15,275,664
6/30/2000	10,286,782	13,167,724	15,871,340	17,093,451	17,003,344	16,931,817	17,085,132	17,381,389	17,019,282	16,991,345	17,035,440
6/30/2001	10,281,846	14,431,282	16,801,827	17,227,165	17,629,004	17,880,882	18,443,341	18,636,508	18,180,752	17,918,248	18,123,366
6/30/2002	9,977,308	14,323,101	15,212,709	15,346,957	15,714,001	15,355,548	15,023,291	14,866,104	14,828,796	14,652,530	14,570,186
6/30/2003	9,919,311	11,108,577	12,502,424	13,819,029	12,984,246	13,075,083	12,192,911	12,338,683	12,431,732	12,213,689	12,240,705
6/30/2004	12,307,691	18,098,048	21,499,479	22,154,962	22,151,097	20,668,729	19,872,422	19,782,093	19,582,669	19,758,541	19,495,052
6/30/2005	13,200,204	16,286,939	18,137,100	18,625,177	17,754,558	17,298,997	17,175,596	17,160,674	17,153,619	17,035,753	17,033,563
6/30/2006	13,801,300	17,799,317	18,644,658	17,895,495	17,762,705	17,550,461	17,340,179	17,211,583	16,966,988	17,258,738	17,135,641
6/30/2007	13,366,038	15,234,678	16,915,874	17,102,960	16,135,528	16,000,211	15,649,898	15,756,717	15,485,503	15,461,845	15,556,211
6/30/2008	10,115,680	12,165,430	12,813,558	12,807,269	12,722,539	12,250,626	12,056,910	12,063,256	12,105,603	12,079,810	
6/30/2009	8,886,209	11,355,160	12,074,276	11,928,039	11,765,558	11,800,136	11,364,535	11,308,527	11,172,149		
6/30/2010	10,068,431	11,223,628	12,197,962	12,177,340	11,530,308	11,547,398	11,618,357	11,553,083			
6/30/2011	7,997,510	9,387,730	10,333,786	9,447,023	9,565,411	9,688,972	10,066,267				
6/30/2012	5,922,235	7,401,237	7,691,225	8,616,356	8,178,127	8,655,275					
6/30/2013	6,674,991	7,529,083	8,157,809	8,795,713	9,133,941						
6/30/2014	5,787,620	8,913,769	10,203,331	10,708,592							
6/30/2015	7,829,837	10,458,535	11,171,035								
6/30/2016	7,460,740	9,336,061									
6/30/2017	6,953,699										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	15,193,179	15,455,562	15,382,147	15,293,507	15,295,743	15,287,854	15,260,802	15,243,374	15,232,909
6/30/1999	15,261,263	15,255,974	15,190,925	15,192,024	15,219,831	15,244,184	15,163,132	15,150,718	
6/30/2000	17,049,139	17,047,428	17,035,412	17,078,996	17,060,555	17,058,739	17,051,909		
6/30/2001	17,940,603	17,896,657	18,139,593	18,024,593	18,124,593	18,104,584			
6/30/2002	14,691,215	14,640,104	14,679,573	14,680,648	14,667,894				
6/30/2003	11,992,442	11,992,442	12,092,442	12,100,442					
6/30/2004	19,583,696	19,601,348	19,583,696						
6/30/2005	16,933,563	16,872,583							
6/30/2006	17,032,246								

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
6/30/1998	1.486	1.038	1.078	1.041	1.035	0.976	1.016	0.968	1.015	0.991	0.998
6/30/1999	1.410	1.122	1.080	0.989	1.025	1.000	1.042	0.995	0.997	0.999	0.999
6/30/2000	1.280	1.205	1.077	0.995	0.996	1.009	1.017	0.979	0.998	1.003	1.001
6/30/2001	1.404	1.164	1.025	1.023	1.014	1.031	1.010	0.976	0.986	1.011	0.990
6/30/2002	1.436	1.062	1.009	1.024	0.977	0.978	0.990	0.997	0.988	0.994	1.008
6/30/2003	1.120	1.125	1.105	0.940	1.007	0.933	1.012	1.008	0.982	1.002	0.980
6/30/2004	1.470	1.188	1.030	1.000	0.933	0.961	0.995	0.990	1.009	0.987	1.005
6/30/2005	1.234	1.114	1.027	0.953	0.974	0.993	0.999	1.000	0.993	1.000	0.994
6/30/2006	1.290	1.047	0.960	0.993	0.988	0.988	0.993	0.986	1.017	0.993	0.994
6/30/2007	1.140	1.110	1.011	0.943	0.992	0.978	1.007	0.983	0.998	1.006	
6/30/2008	1.203	1.053	1.000	0.993	0.963	0.984	1.001	1.004	0.998		
6/30/2009	1.278	1.063	0.988	0.986	1.003	0.963	0.995	0.988			
6/30/2010	1.115	1.087	0.998	0.947	1.001	1.006	0.994				
6/30/2011	1.174	1.101	0.914	1.013	1.013	1.039					
6/30/2012	1.250	1.039	1.120	0.949	1.058						
6/30/2013	1.128	1.084	1.078	1.038							
6/30/2014	1.540	1.145	1.050								
6/30/2015	1.336	1.068									
6/30/2016	1.251										
3 Yr Mean	1.376	1.099	1.083	1.000	1.024	1.003	0.997	0.992	1.004	1.000	0.998
Best 3/5	1.279	1.084	1.042	0.983	1.006	0.989	0.997	0.991	1.002	0.998	0.998

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/1998	1.017	0.995	0.994	1.000	0.999	0.998	0.999	0.999
6/30/1999	1.000	0.996	1.000	1.002	1.002	0.995	0.999	0.999 *
6/30/2000	1.000	0.999	1.003	0.999	1.000	1.000	0.999 *	0.999 *
6/30/2001	0.998	1.014	0.994	1.006	0.999	1.000 *	0.999 *	0.999 *
6/30/2002	0.997	1.003	1.000	0.999	1.000 *	1.000 *	0.999 *	0.999 *
6/30/2003	1.000	1.008	1.001					
6/30/2004	1.001	0.999						
6/30/2005	0.996							
3 Yr Mean	0.999	1.003	0.998	1.001	1.000 @	0.998 @	0.999 @	0.999 @
Best 3/5	0.998	1.003	1.000	1.000	1.000 *	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
6/30/2013					1.006	0.989	0.997	0.991	1.002	0.998	0.998
6/30/2014				0.983	1.006	0.989	0.997	0.991	1.002	0.998	0.998
6/30/2015			1.042	0.983	1.006	0.989	0.997	0.991	1.002	0.998	0.998
6/30/2016		1.084	1.042	0.983	1.006	0.989	0.997	0.991	1.002	0.998	0.998
6/30/2017	1.279	1.084	1.042	0.983	1.006	0.989	0.997	0.991	1.002	0.998	0.998

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2013	0.998	1.003	1.000	1.000	1.000	0.999	0.999	0.999	0.996*	0.975
6/30/2014	0.998	1.003	1.000	1.000	1.000	0.999	0.999	0.999	0.996*	0.959
6/30/2015	0.998	1.003	1.000	1.000	1.000	0.999	0.999	0.999	0.996*	0.999
6/30/2016	0.998	1.003	1.000	1.000	1.000	0.999	0.999	0.999	0.996*	1.083
6/30/2017	0.998	1.003	1.000	1.000	1.000	0.999	0.999	0.999	0.996*	1.385

* 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

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
6/30/1998	2,550,534	6,384,024	13,180,160	20,072,048	24,657,295	26,553,460	26,750,971	26,965,296	27,314,349	28,284,525	28,890,458
6/30/1999	2,450,106	6,032,543	10,077,240	13,890,233	16,515,118	20,642,767	23,077,656	25,027,274	25,431,328	25,986,096	26,513,448
6/30/2000	2,649,145	5,427,214	8,581,130	11,525,889	12,538,745	13,890,849	14,621,199	15,256,396	16,983,418	17,981,264	18,406,709
6/30/2001	2,420,722	7,148,089	11,066,743	13,695,189	15,646,087	16,382,684	17,051,016	17,990,364	18,669,817	18,923,274	19,229,894
6/30/2002	1,619,470	6,408,451	9,487,606	10,628,435	12,037,641	13,285,545	13,438,468	13,751,174	13,875,171	14,020,043	14,081,475
6/30/2003	1,744,839	4,499,481	6,663,235	9,833,690	10,777,859	11,581,793	11,780,306	12,314,550	12,655,001	12,740,231	12,801,929
6/30/2004	1,726,080	4,980,310	9,461,837	14,890,471	22,131,480	25,387,848	21,526,669	21,492,392	22,430,856	22,396,908	23,782,208
6/30/2005	2,231,309	4,921,772	11,175,325	13,489,134	15,836,072	16,707,952	16,983,064	17,150,248	17,563,351	18,795,965	18,808,941
6/30/2006	1,365,914	4,880,050	10,410,745	15,468,357	17,501,391	18,843,587	19,294,634	19,335,553	19,707,150	19,537,482	19,760,053
6/30/2007	2,225,254	4,551,741	7,315,841	9,345,887	10,961,426	12,747,758	13,571,808	14,321,926	14,430,431	14,467,326	14,438,517
6/30/2008	1,758,035	5,252,835	10,787,192	12,327,017	13,762,146	14,910,482	15,299,078	16,050,957	16,322,318	16,385,235	
6/30/2009	1,275,094	3,377,363	7,857,969	12,778,317	14,001,712	15,511,573	16,711,595	16,998,647	17,919,484		
6/30/2010	1,911,747	5,758,341	9,892,850	12,301,539	14,506,667	14,818,793	15,285,785	15,393,640			
6/30/2011	1,144,609	3,376,205	10,088,744	14,713,591	17,717,067	19,660,301	21,938,938				
6/30/2012	1,140,492	4,255,252	8,315,428	12,700,754	13,015,894	14,325,811					
6/30/2013	2,256,308	4,666,520	7,566,201	9,860,182	11,219,992						
6/30/2014	2,210,240	5,853,386	12,995,855	14,869,618							
6/30/2015	2,780,360	5,227,158	8,691,219								
6/30/2016	1,418,585	4,918,439									
6/30/2017	1,161,581										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	29,028,772	29,019,747	28,732,389	28,735,520	28,735,520	28,735,520	28,735,520	28,735,520	28,737,225
6/30/1999	26,841,485	26,888,876	26,876,113	26,876,113	26,876,113	26,876,113	26,876,113	26,876,113	
6/30/2000	18,617,713	18,634,420	18,644,294	18,645,708	18,666,338	18,668,578	18,653,813		
6/30/2001	19,448,107	19,678,454	20,986,747	19,945,458	20,846,448	20,760,907			
6/30/2002	14,136,928	14,189,712	14,333,456	14,389,753	14,398,465				
6/30/2003	12,943,698	12,936,309	12,936,309	12,936,309					
6/30/2004	23,524,395	23,617,848	24,210,627						
6/30/2005	18,873,243	18,887,511							
6/30/2006	19,824,449								

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

Increments

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/1998	3,833,490	6,796,136	6,891,888	4,585,247	1,896,165	197,511	214,325	349,053	970,176	605,933	138,314	-9,025	-287,358
6/30/1999	3,582,437	4,044,697	3,812,993	2,624,885	4,127,649	2,434,889	1,949,618	404,054	554,768	527,352	328,037	47,391	-12,763
6/30/2000	2,778,069	3,153,916	2,944,759	1,012,856	1,352,104	730,350	635,197	1,727,022	997,846	425,445	211,004	16,707	9,874
6/30/2001	4,727,367	3,918,654	2,628,446	1,950,898	736,597	668,332	939,348	679,453	253,457	306,620	218,213	230,347	1,308,293
6/30/2002	4,788,981	3,079,155	1,140,829	1,409,206	1,247,904	152,923	312,706	123,997	144,872	61,432	55,453	52,784	143,744
6/30/2003	2,754,642	2,163,754	3,170,455	944,169	803,934	198,513	534,244	340,451	85,230	61,698	141,769	-7,389	0
6/30/2004	3,254,230	4,481,527	5,428,634	7,241,009	3,256,368	-3,861,179	-34,277	938,464	-33,948	1,385,300	-257,813	93,453	592,779
6/30/2005	2,690,463	6,253,553	2,313,809	2,346,938	871,880	275,112	167,184	413,103	1,232,614	12,976	64,302	14,268	
6/30/2006	3,514,136	5,530,695	5,057,612	2,033,034	1,342,196	451,047	40,919	371,597	-169,668	222,571	64,396		
6/30/2007	2,326,487	2,764,100	2,030,046	1,615,539	1,786,332	824,050	750,118	108,505	36,895	-28,809			
6/30/2008	3,494,800	5,534,357	1,539,825	1,435,129	1,148,336	388,596	751,879	271,361	62,917				
6/30/2009	2,102,269	4,480,606	4,920,348	1,223,395	1,509,861	1,200,022	287,052	920,837					
6/30/2010	3,846,594	4,134,509	2,408,689	2,205,128	312,126	466,992	107,855						
6/30/2011	2,231,596	6,712,539	4,624,847	3,003,476	1,943,234	2,278,637							
6/30/2012	3,114,760	4,060,176	4,385,326	315,140	1,309,917								
6/30/2013	2,410,212	2,899,681	2,293,981	1,359,810									
6/30/2014	3,643,146	7,142,469	1,873,763										
6/30/2015	2,446,798	3,464,061											
6/30/2016	3,499,854												

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
6/30/1998	0.1472	0.2610	0.2647	0.1761	0.0728	0.0076	0.0082	0.0134	0.0373	0.0233	0.0053	-0.0003	-0.0110
6/30/1999	0.1474	0.1665	0.1569	0.1080	0.1699	0.1002	0.0802	0.0166	0.0228	0.0217	0.0135	0.0020	-0.0005
6/30/2000	0.1001	0.1136	0.1061	0.0365	0.0487	0.0263	0.0229	0.0622	0.0360	0.0153	0.0076	0.0006	0.0004
6/30/2001	0.1647	0.1365	0.0916	0.0680	0.0257	0.0233	0.0327	0.0237	0.0088	0.0107	0.0076	0.0080	0.0456
6/30/2002	0.2084	0.1340	0.0496	0.0613	0.0543	0.0067	0.0136	0.0054	0.0063	0.0027	0.0024	0.0023	0.0063
6/30/2003	0.1415	0.1112	0.1629	0.0485	0.0413	0.0102	0.0274	0.0175	0.0044	0.0032	0.0073	-0.0004	0.0000
6/30/2004	0.1119	0.1541	0.1867	0.2490	0.1120	-0.1328	-0.0012	0.0323	-0.0012	0.0476	-0.0089	0.0032	0.0204
6/30/2005	0.1030	0.2393	0.0885	0.0898	0.0334	0.0105	0.0064	0.0158	0.0472	0.0005	0.0025	0.0005	
6/30/2006	0.1201	0.1890	0.1729	0.0695	0.0459	0.0154	0.0014	0.0127	-0.0058	0.0076	0.0022		
6/30/2007	0.0917	0.1090	0.0800	0.0637	0.0704	0.0325	0.0296	0.0043	0.0015	-0.0011			
6/30/2008	0.1852	0.2932	0.0816	0.0760	0.0608	0.0206	0.0398	0.0144	0.0033				
6/30/2009	0.1178	0.2511	0.2758	0.0686	0.0846	0.0673	0.0161	0.0516					
6/30/2010	0.2239	0.2407	0.1402	0.1284	0.0182	0.0272	0.0063						
6/30/2011	0.1394	0.4193	0.2889	0.1876	0.1214	0.1423							
6/30/2012	0.2138	0.2787	0.3011	0.0216	0.0899								
6/30/2013	0.1737	0.2090	0.1654	0.0980									
6/30/2014	0.2300	0.4510	0.1183										
6/30/2015	0.1157	0.1638											
6/30/2016	0.2029												
Best 3/5	0.1968	0.3023	0.1982	0.0983	0.0785	0.0423	0.0173	0.0143	0.0012	0.0038	0.0024	0.0020	0.0090

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
6/30/1998	255,258,828	332,945,187	373,149,532	390,194,345	382,713,486	379,490,547	378,552,707	376,426,408	375,221,738	374,682,132	374,649,736
6/30/1999	270,245,348	356,159,736	415,955,615	424,178,882	419,114,487	417,024,456	413,388,185	409,831,807	410,113,187	409,901,069	409,784,917
6/30/2000	265,616,171	364,916,083	411,804,245	419,194,377	419,341,136	414,707,901	408,628,005	406,158,097	405,661,368	405,818,448	405,584,978
6/30/2001	263,078,317	343,288,606	382,980,591	400,811,231	400,167,841	392,448,026	390,032,739	387,773,727	386,995,559	385,961,888	385,743,907
6/30/2002	239,417,082	297,540,665	351,833,222	363,352,525	359,036,255	354,542,713	351,294,325	350,742,054	350,317,768	349,729,294	350,233,514
6/30/2003	242,891,349	326,472,313	385,984,476	391,957,868	382,607,529	375,878,638	373,405,222	370,757,033	369,407,045	369,148,146	369,083,227
6/30/2004	270,060,001	360,429,459	389,871,386	395,524,367	390,345,900	386,132,417	383,455,024	381,956,765	381,621,665	381,089,504	380,852,277
6/30/2005	281,629,788	331,563,164	375,884,789	380,476,400	380,409,284	374,476,814	372,240,130	371,064,459	369,582,890	370,112,227	370,272,285
6/30/2006	262,161,502	344,690,012	383,774,872	394,975,893	389,581,560	382,157,702	378,638,614	377,454,243	376,943,199	376,820,315	376,470,201
6/30/2007	294,527,883	376,256,739	416,907,370	421,982,157	413,970,777	407,557,176	404,581,980	402,852,853	401,655,190	401,739,646	401,620,018
6/30/2008	313,258,173	391,364,808	437,142,926	441,038,578	432,978,474	426,491,042	424,324,748	422,726,442	422,574,516	421,908,071	
6/30/2009	326,900,899	417,149,328	459,976,966	458,086,627	450,136,763	447,149,258	443,469,363	441,153,766	440,178,389		
6/30/2010	350,750,664	441,711,616	491,697,563	494,061,347	487,270,756	481,856,062	478,619,228	476,962,858			
6/30/2011	378,877,282	477,618,912	530,132,896	537,873,027	529,515,709	523,920,638	519,961,158				
6/30/2012	323,005,411	411,344,414	459,425,182	459,465,355	456,428,195	452,444,146					
6/30/2013	325,489,206	413,522,776	448,778,492	455,676,422	456,758,269						
6/30/2014	354,298,934	448,794,677	506,703,900	536,136,800							
6/30/2015	316,772,017	425,480,411	503,591,152								
6/30/2016	298,372,680	415,003,585									
6/30/2017	323,270,427										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	374,791,274	374,309,531	374,477,288	374,575,187	374,780,343	374,803,557	374,851,506	375,015,231	375,070,025
6/30/1999	410,424,647	410,675,134	412,203,725	412,825,727	412,649,039	411,040,285	410,806,975	410,780,177	
6/30/2000	405,889,794	405,800,188	405,590,308	405,966,661	405,580,208	405,512,659	405,553,845		
6/30/2001	386,026,724	386,144,842	386,634,195	386,983,685	387,191,158	387,017,735			
6/30/2002	349,800,645	350,098,063	350,550,135	350,100,886	350,295,457				
6/30/2003	369,119,317	369,211,802	369,341,910	369,309,644					
6/30/2004	381,153,696	381,096,936	381,115,378						
6/30/2005	370,147,090	370,362,040							
6/30/2006	376,221,751								

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
6/30/1998	1.304	1.121	1.046	0.981	0.992	0.998	0.994	0.997	0.999	1.000	1.000
6/30/1999	1.318	1.168	1.020	0.988	0.995	0.991	0.991	1.001	0.999	1.000	1.002
6/30/2000	1.374	1.128	1.018	1.000	0.989	0.985	0.994	0.999	1.000	0.999	1.001
6/30/2001	1.305	1.116	1.047	0.998	0.988	0.981	0.994	0.994	0.998	0.997	0.999	1.001
6/30/2002	1.243	1.182	1.033	0.988	0.987	0.991	0.998	0.999	0.998	1.001	0.999
6/30/2003	1.344	1.182	1.015	0.976	0.982	0.993	0.993	0.996	0.999	1.000	1.000
6/30/2004	1.335	1.082	1.014	0.987	0.989	0.993	0.996	0.999	0.999	0.999	1.001
6/30/2005	1.177	1.134	1.012	1.000	0.984	0.994	0.997	0.996	1.001	1.000	1.000
6/30/2006	1.315	1.113	1.029	0.986	0.981	0.991	0.997	0.999	1.000	0.999	0.999
6/30/2007	1.277	1.108	1.012	0.981	0.985	0.993	0.996	0.997	1.000	1.000	
6/30/2008	1.249	1.117	1.009	0.982	0.985	0.995	0.996	1.000	0.998		
6/30/2009	1.276	1.103	0.996	0.983	0.993	0.992	0.995	0.998			
6/30/2010	1.259	1.113	1.005	0.986	0.989	0.993	0.997				
6/30/2011	1.261	1.110	1.015	0.984	0.989	0.992					
6/30/2012	1.273	1.117	1.000	0.993	0.991						
6/30/2013	1.270	1.085	1.015	1.002							
6/30/2014	1.267	1.129	1.058								
6/30/2015	1.343	1.184									
6/30/2016	1.391										
3 Yr Mean	1.334	1.133	1.024	0.993	0.990	0.992	0.996	0.998	0.999	1.000	1.000
Best 3/5	1.295	1.119	1.012	0.988	0.990	0.993	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
6/30/1998	0.999	1.000	1.000	1.001	1.000	1.000	1.000	1.000
6/30/1999	1.001	1.004	1.002	1.000	0.996	0.999	1.000	1.000 *
6/30/2000	1.000	0.999	1.001	0.999	1.000	1.000	1.000 *	1.000 *
6/30/2001	1.000	1.001	1.001	1.001	1.000	1.000 *	1.000 *	1.000 *
6/30/2002	1.001	1.001	0.999	1.001	1.001 *	1.000 *	1.000 *	1.000 *
6/30/2003	1.000	1.000	1.000					
6/30/2004	1.000	1.000						
6/30/2005	1.001							
3 Yr Mean	1.000	1.000	1.000	1.000	0.999 @	1.000 @	1.000 @	1.000 @
Best 3/5	1.000	1.000	1.001	1.001	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
6/30/2013					0.990	0.993	0.996	0.998	1.000	1.000	1.000
6/30/2014				0.988	0.990	0.993	0.996	0.998	1.000	1.000	1.000
6/30/2015			1.012	0.988	0.990	0.993	0.996	0.998	1.000	1.000	1.000
6/30/2016		1.119	1.012	0.988	0.990	0.993	0.996	0.998	1.000	1.000	1.000
6/30/2017	1.295	1.119	1.012	0.988	0.990	0.993	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/Ult	FACTORS
6/30/2013	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000*	0.979
6/30/2014	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000*	0.967
6/30/2015	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000*	0.979
6/30/2016	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000*	1.095
6/30/2017	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000*	1.419

* 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
6/30/1998	11,030,838	14,545,883	14,737,056	15,569,105	15,873,763	15,900,937	15,808,546	15,762,190	15,575,503	15,379,626	15,382,839
6/30/1999	10,186,268	13,053,222	15,479,728	16,780,068	16,756,993	16,250,354	16,316,471	16,940,751	16,411,329	16,570,626	16,508,127
6/30/2000	10,082,049	15,447,756	18,155,146	17,243,534	16,295,258	16,604,041	16,643,837	16,218,770	16,173,324	16,158,323	16,139,573
6/30/2001	13,030,136	19,385,187	22,612,105	22,681,433	22,184,019	22,888,260	22,767,088	22,597,924	22,613,865	22,533,458	22,633,457
6/30/2002	12,498,270	17,904,343	18,137,832	18,244,366	19,034,624	18,611,611	18,804,499	18,533,744	18,700,269	18,610,056	18,610,055
6/30/2003	16,060,884	17,273,399	19,955,149	21,176,185	21,564,951	21,098,728	20,826,619	20,624,539	20,549,696	20,577,737	20,693,458
6/30/2004	17,927,417	25,459,785	23,941,951	26,082,005	24,680,280	23,894,136	23,161,871	23,049,124	22,983,398	23,144,932	23,176,805
6/30/2005	14,655,122	23,902,356	24,261,620	22,304,054	20,637,204	19,891,659	19,478,472	19,297,538	19,292,538	19,176,564	19,176,561
6/30/2006	14,700,810	18,609,667	20,687,084	19,930,233	19,784,857	19,623,420	19,791,111	19,805,221	19,872,619	19,870,503	19,940,503
6/30/2007	14,204,918	18,563,619	21,103,669	21,510,770	20,816,358	20,242,365	19,865,677	19,972,969	19,962,765	19,963,514	19,918,514
6/30/2008	16,120,363	18,906,928	21,076,625	21,531,735	21,055,188	20,443,003	20,395,253	20,217,363	20,069,028	20,058,842	
6/30/2009	15,727,578	18,834,991	19,463,960	20,521,478	19,571,604	19,322,806	19,355,379	19,224,108	19,259,330		
6/30/2010	12,592,938	13,636,761	15,970,223	16,598,834	17,229,196	16,851,776	16,807,996	16,661,292			
6/30/2011	11,654,115	15,872,519	17,973,948	18,591,773	18,258,171	18,034,423	17,731,755				
6/30/2012	12,120,325	15,699,664	17,424,393	17,309,523	17,523,360	17,228,823					
6/30/2013	12,178,112	15,346,449	16,836,090	17,274,461	17,385,350						
6/30/2014	14,497,177	17,580,759	19,955,928	20,785,824							
6/30/2015	15,795,902	21,209,724	24,248,201								
6/30/2016	17,463,597	21,850,009									
6/30/2017	15,583,789										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	15,332,813	15,339,171	15,343,870	15,328,872	15,429,028	15,428,872	15,428,872	15,428,872	15,428,872
6/30/1999	16,469,529	16,469,528	16,469,528	16,567,528	16,567,528	16,567,528	16,567,528	16,576,138	
6/30/2000	16,139,573	16,139,823	16,339,823	16,339,823	16,334,823	16,334,823	16,435,823		
6/30/2001	22,613,708	22,618,708	22,618,707	22,518,707	22,518,707	22,618,707			
6/30/2002	18,660,054	18,815,553	18,802,014	19,027,553	19,072,216				
6/30/2003	20,619,509	20,613,141	20,606,448	20,606,448					
6/30/2004	23,152,995	23,175,496	23,225,495						
6/30/2005	19,181,561	19,176,561							
6/30/2006	19,840,503								

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
6/30/1998	1.319	1.013	1.056	1.020	1.002	0.994	0.997	0.988	0.987	1.000	0.997
6/30/1999	1.281	1.186	1.084	0.999	0.970	1.004	1.038	0.969	1.010	0.996	0.998
6/30/2000	1.532	1.175	0.950	0.945	1.019	1.002	0.974	0.997	0.999	0.999	1.000
6/30/2001	1.488	1.166	1.003	0.978	1.032	0.995	0.993	1.001	0.996	1.004	0.999
6/30/2002	1.433	1.013	1.006	1.043	0.978	1.010	0.986	1.009	0.995	1.000	1.003
6/30/2003	1.075	1.155	1.061	1.018	0.978	0.987	0.990	0.996	1.001	1.006	0.996
6/30/2004	1.420	0.940	1.089	0.946	0.968	0.969	0.995	0.997	1.007	1.001	0.999
6/30/2005	1.631	1.015	0.919	0.925	0.964	0.979	0.991	1.000	0.994	1.000	1.000
6/30/2006	1.266	1.112	0.963	0.993	0.992	1.009	1.001	1.003	1.000	1.004	0.995
6/30/2007	1.307	1.137	1.019	0.968	0.972	0.981	1.005	0.999	1.000	0.998	
6/30/2008	1.173	1.115	1.022	0.978	0.971	0.998	0.991	0.993	0.999		
6/30/2009	1.198	1.033	1.054	0.954	0.987	1.002	0.993	1.002			
6/30/2010	1.083	1.171	1.039	1.038	0.978	0.997	0.991				
6/30/2011	1.362	1.132	1.034	0.982	0.988	0.983					
6/30/2012	1.295	1.110	0.993	1.012	0.983						
6/30/2013	1.260	1.097	1.026	1.006							
6/30/2014	1.213	1.135	1.042								
6/30/2015	1.343	1.143									
6/30/2016	1.251										
3 Yr Mean	1.269	1.125	1.020	1.000	0.983	0.994	0.992	0.998	1.000	1.001	0.998
Best 3/5	1.269	1.126	1.033	1.000	0.983	0.993	0.995	1.000	1.000	1.002	0.998

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/1998	1.000	1.000	0.999	1.007	1.000	1.000	1.000	1.000
6/30/1999	1.000	1.000	1.006	1.000	1.000	1.000	1.001	1.000 *
6/30/2000	1.000	1.012	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	1.012	1.002	1.001 *	1.000 *	1.000 *	1.000 *
6/30/2003	1.000	1.000	1.000					
6/30/2004	1.001	1.002						
6/30/2005	1.000							
3 Yr Mean	1.000	1.000	1.003	1.001	1.001 @	1.002 @	1.001 @	1.000 @
Best 3/5	1.000	1.001	1.002	1.001	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
6/30/2013					0.983	0.993	0.995	1.000	1.000	1.002	0.998
6/30/2014				1.000	0.983	0.993	0.995	1.000	1.000	1.002	0.998
6/30/2015			1.033	1.000	0.983	0.993	0.995	1.000	1.000	1.002	0.998
6/30/2016		1.126	1.033	1.000	0.983	0.993	0.995	1.000	1.000	1.002	0.998
6/30/2017	1.269	1.126	1.033	1.000	0.983	0.993	0.995	1.000	1.000	1.002	0.998

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2013	1.000	1.001	1.002	1.001	1.000	1.000	1.000	1.000	1.000*	0.975
6/30/2014	1.000	1.001	1.002	1.001	1.000	1.000	1.000	1.000	1.000*	0.975
6/30/2015	1.000	1.001	1.002	1.001	1.000	1.000	1.000	1.000	1.000*	1.007
6/30/2016	1.000	1.001	1.002	1.001	1.000	1.000	1.000	1.000	1.000*	1.134
6/30/2017	1.000	1.001	1.002	1.001	1.000	1.000	1.000	1.000	1.000*	1.439

* 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

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
6/30/1998	35,598,975	59,388,248	82,941,218	104,606,288	107,704,829	112,074,938	113,263,525	114,089,119	116,187,977	118,050,296	118,789,675
6/30/1999	33,363,413	67,431,619	103,507,347	119,492,483	128,850,619	136,246,751	137,808,375	142,872,913	144,227,821	145,771,248	148,535,044
6/30/2000	33,795,912	67,967,583	99,304,523	121,747,107	133,551,603	139,193,705	143,877,198	145,968,615	148,364,048	149,688,501	149,902,944
6/30/2001	37,911,376	68,068,287	99,991,142	121,124,161	135,066,463	145,714,018	149,020,015	151,364,178	152,936,465	155,742,747	157,214,282
6/30/2002	36,917,312	60,839,347	99,475,037	122,342,163	141,675,888	147,576,480	153,021,177	155,612,858	156,349,586	158,021,214	157,964,987
6/30/2003	37,205,926	70,419,959	108,111,733	141,918,276	157,667,478	162,336,532	166,211,995	167,686,433	169,453,245	170,867,914	170,963,686
6/30/2004	35,682,701	70,765,299	114,436,836	142,975,612	151,894,562	158,163,837	160,214,866	161,875,254	162,774,184	164,073,906	164,860,081
6/30/2005	33,210,282	70,235,585	115,631,580	144,326,563	158,018,854	164,857,663	168,385,409	171,351,890	172,678,532	174,301,870	174,806,382
6/30/2006	27,897,615	70,650,360	112,788,828	144,091,873	156,927,489	164,389,400	168,934,810	168,514,520	170,144,607	171,630,979	172,262,944
6/30/2007	30,873,236	74,119,440	117,717,940	151,885,793	167,788,612	174,523,886	177,187,445	178,727,289	181,965,931	182,866,269	183,467,932
6/30/2008	30,678,054	75,078,352	132,887,496	173,697,687	193,288,721	201,769,357	205,424,518	208,004,356	209,137,015	208,124,417	
6/30/2009	36,708,341	83,430,381	136,409,299	180,399,034	197,404,089	206,210,946	210,706,619	214,561,200	216,718,149		
6/30/2010	43,878,683	93,536,465	154,599,435	190,012,510	209,157,528	220,030,022	223,868,264	225,400,876			
6/30/2011	48,576,056	105,885,440	172,156,256	215,024,431	235,147,012	244,009,675	248,902,262				
6/30/2012	44,110,035	94,961,511	157,285,279	199,414,850	223,296,424	233,663,898					
6/30/2013	45,151,320	100,118,630	159,767,360	207,065,920	232,514,570						
6/30/2014	53,189,796	115,566,627	185,332,259	237,732,916							
6/30/2015	47,474,573	108,104,553	177,725,027								
6/30/2016	47,747,167	111,963,178									
6/30/2017	46,060,287										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	119,391,432	119,576,551	119,733,533	120,836,675	121,048,596	121,172,130	121,403,624	121,693,791	121,862,629
6/30/1999	148,659,742	149,972,507	151,125,072	151,849,256	152,745,683	152,594,384	152,560,675	152,565,293	
6/30/2000	152,077,072	152,862,341	152,861,431	153,195,481	154,518,911	154,078,210	154,155,054		
6/30/2001	157,203,172	158,218,287	159,766,299	161,745,591	162,258,420	162,372,463			
6/30/2002	158,930,888	160,492,276	160,584,111	161,270,836	161,394,753				
6/30/2003	171,973,025	172,597,929	173,055,856	172,953,727					
6/30/2004	165,476,814	166,309,657	166,656,072						
6/30/2005	174,651,120	175,449,718							
6/30/2006	173,097,883								

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

Increments

A.Y.E.	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
6/30/1998	23,789,273	23,552,970	21,665,070	3,098,541	4,370,109	1,188,587	825,594	2,098,858	1,862,319	739,379	601,757	185,119	156,982
6/30/1999	34,068,206	36,075,728	15,985,136	9,358,136	7,396,132	1,561,624	5,064,538	1,354,908	1,543,427	2,763,796	124,698	1,312,765	1,152,565
6/30/2000	34,171,671	31,336,940	22,442,584	11,804,496	5,642,102	4,683,493	2,091,417	2,395,433	1,324,453	214,443	2,174,128	785,269	-910
6/30/2001	30,156,911	31,922,855	21,133,019	13,942,302	10,647,555	3,305,997	2,344,163	1,572,287	2,806,282	1,471,535	-11,110	1,015,115	1,548,012
6/30/2002	23,922,035	38,635,690	22,867,126	19,333,725	5,900,592	5,444,697	2,591,681	736,728	1,671,628	-56,227	965,901	1,561,388	91,835
6/30/2003	33,214,033	37,691,774	33,806,543	15,749,202	4,669,054	3,875,463	1,474,438	1,766,812	1,414,669	95,772	1,009,339	624,904	457,927
6/30/2004	35,082,598	43,671,537	28,538,776	8,918,950	6,269,275	2,051,029	1,660,388	898,930	1,299,722	786,175	616,733	832,843	346,415
6/30/2005	37,025,303	45,395,995	28,694,983	13,692,291	6,838,809	3,527,746	2,966,481	1,326,642	1,623,338	504,512	-155,262	798,598	
6/30/2006	42,752,745	42,138,468	31,303,045	12,835,616	7,461,911	4,545,410	-420,290	1,630,087	1,486,372	631,965	834,939		
6/30/2007	43,246,204	43,598,500	34,167,853	15,902,819	6,735,274	2,663,559	1,539,844	3,238,642	900,338	601,663			
6/30/2008	44,400,298	57,809,144	40,810,191	19,591,034	8,480,636	3,655,161	2,579,838	1,132,659	-1,012,598				
6/30/2009	46,722,040	52,978,918	43,989,735	17,005,055	8,806,857	4,495,673	3,854,581	2,156,949					
6/30/2010	49,657,782	61,062,970	35,413,075	19,145,018	10,872,494	3,838,242	1,532,612						
6/30/2011	57,309,384	66,270,816	42,868,175	20,122,581	8,862,663	4,892,587							
6/30/2012	50,851,476	62,323,768	42,129,571	23,881,574	10,367,474								
6/30/2013	54,967,310	59,648,730	47,298,560	25,448,650									
6/30/2014	62,376,831	69,765,632	52,400,657										
6/30/2015	60,629,980	69,620,474											
6/30/2016	64,216,011												

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
6/30/1998	0.0458	0.0454	0.0417	0.0060	0.0084	0.0023	0.0016	0.0040	0.0036	0.0014	0.0012	0.0004	0.0003
6/30/1999	0.0593	0.0628	0.0278	0.0163	0.0129	0.0027	0.0088	0.0024	0.0027	0.0048	0.0002	0.0023	0.0020
6/30/2000	0.0606	0.0556	0.0398	0.0209	0.0100	0.0083	0.0037	0.0042	0.0023	0.0004	0.0039	0.0014	0.0000
6/30/2001	0.0541	0.0573	0.0379	0.0250	0.0191	0.0059	0.0042	0.0028	0.0050	0.0026	0.0000	0.0018	0.0028
6/30/2002	0.0462	0.0747	0.0442	0.0374	0.0114	0.0105	0.0050	0.0014	0.0032	-0.0001	0.0019	0.0030	0.0002
6/30/2003	0.0613	0.0695	0.0624	0.0291	0.0086	0.0071	0.0027	0.0033	0.0026	0.0002	0.0019	0.0012	0.0008
6/30/2004	0.0637	0.0793	0.0518	0.0162	0.0114	0.0037	0.0030	0.0016	0.0024	0.0014	0.0011	0.0015	0.0006
6/30/2005	0.0668	0.0819	0.0518	0.0247	0.0123	0.0064	0.0054	0.0024	0.0029	0.0009	-0.0003	0.0014	
6/30/2006	0.0762	0.0751	0.0558	0.0229	0.0133	0.0081	-0.0007	0.0029	0.0026	0.0011	0.0015		
6/30/2007	0.0710	0.0716	0.0561	0.0261	0.0111	0.0044	0.0025	0.0053	0.0015	0.0010			
6/30/2008	0.0684	0.0891	0.0629	0.0302	0.0131	0.0056	0.0040	0.0017	-0.0016				
6/30/2009	0.0696	0.0789	0.0655	0.0253	0.0131	0.0067	0.0057	0.0032					
6/30/2010	0.0675	0.0830	0.0482	0.0260	0.0148	0.0052	0.0021						
6/30/2011	0.0728	0.0842	0.0545	0.0256	0.0113	0.0062							
6/30/2012	0.0708	0.0868	0.0587	0.0333	0.0144								
6/30/2013	0.0769	0.0835	0.0662	0.0356									
6/30/2014	0.0756	0.0846	0.0635										
6/30/2015	0.0775	0.0890											
6/30/2016	0.0847												
Best 3/5	0.0767	0.0852	0.0589	0.0283	0.0135	0.0057	0.0029	0.0028	0.0022	0.0010	0.0015	0.0016	0.0006

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
6/30/1998	39,115,235	45,035,631	47,562,564	52,280,767	50,579,169	50,794,661	50,368,926	50,296,431	50,351,632	50,430,312	50,545,412
6/30/1999	42,531,063	48,267,860	54,285,634	51,169,346	53,089,947	52,311,889	51,547,240	51,515,052	52,051,034	52,237,470	52,319,684
6/30/2000	46,341,346	57,168,216	53,447,023	56,006,617	55,143,038	55,318,633	55,253,420	55,053,261	55,309,807	55,693,429	55,738,176
6/30/2001	42,685,232	43,064,121	48,932,681	49,612,517	50,354,893	49,955,763	50,311,355	50,446,583	50,860,776	51,462,773	51,962,244
6/30/2002	34,678,623	40,173,448	41,475,739	43,027,403	43,625,104	44,259,839	45,042,532	45,212,329	45,611,950	45,779,736	46,159,732
6/30/2003	35,599,195	37,787,352	40,294,365	39,876,841	42,432,643	42,644,873	42,626,788	42,960,253	42,459,134	42,967,001	43,294,224
6/30/2004	32,524,963	36,961,676	38,371,242	39,890,398	41,754,568	42,164,766	42,062,437	42,248,346	42,238,998	42,450,333	42,513,630
6/30/2005	32,148,831	33,926,350	37,136,792	38,319,616	39,193,725	39,455,613	39,580,104	39,788,136	40,179,969	40,683,739	40,503,806
6/30/2006	31,019,875	33,799,765	35,536,021	36,328,914	36,772,124	37,862,544	38,519,714	38,630,616	38,752,758	38,533,853	38,639,893
6/30/2007	33,030,687	36,484,249	38,964,909	39,541,443	40,096,739	40,224,624	40,402,216	41,134,908	41,865,516	41,777,804	41,873,605
6/30/2008	38,852,902	43,299,716	44,624,620	44,655,606	45,327,364	46,335,154	47,076,947	47,341,725	47,587,349	47,629,596	
6/30/2009	40,062,989	41,575,754	43,606,122	43,952,266	43,999,823	44,454,019	44,354,734	44,267,468	44,411,505		
6/30/2010	40,502,693	45,355,768	47,910,889	48,758,346	49,591,933	49,785,349	49,819,424	49,805,997			
6/30/2011	47,728,286	51,360,618	51,988,591	52,703,584	52,549,650	53,077,644	53,405,208				
6/30/2012	46,152,468	49,657,070	51,634,674	52,020,289	52,512,922	52,736,622					
6/30/2013	42,689,874	47,380,980	49,529,726	51,492,696	51,854,034						
6/30/2014	49,597,854	52,684,092	54,951,142	56,494,666							
6/30/2015	47,337,985	52,319,404	54,185,502								
6/30/2016	41,100,469	45,586,810									
6/30/2017	44,355,222										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	50,769,366	50,598,933	50,554,572	50,670,891	50,715,121	50,842,353	51,157,692	51,345,927	51,253,540
6/30/1999	52,369,991	52,420,466	52,599,907	52,535,812	52,743,803	52,972,195	53,059,491	53,265,870	
6/30/2000	55,478,832	55,605,527	55,677,403	55,848,834	55,873,292	55,858,330	56,222,993		
6/30/2001	52,224,731	52,335,688	52,449,334	52,448,009	52,574,614	52,708,111			
6/30/2002	46,418,029	46,260,147	46,161,148	46,390,091	46,433,237				
6/30/2003	43,284,294	43,364,568	43,442,579	43,483,586					
6/30/2004	42,818,831	42,922,898	42,898,304						
6/30/2005	40,441,270	40,324,727							
6/30/2006	38,713,583								

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
6/30/1998	1.151	1.056	1.099	0.967	1.004	0.992	0.999	1.001	1.002	1.002	1.004
6/30/1999	1.135	1.125	0.943	1.038	0.985	0.985	0.999	1.010	1.004	1.002	1.001
6/30/2000	1.234	0.935	1.048	0.985	1.003	0.999	0.996	1.005	1.007	1.001	0.995
6/30/2001	1.009	1.136	1.014	1.015	0.992	1.007	1.003	1.008	1.012	1.010	1.005
6/30/2002	1.158	1.032	1.037	1.014	1.015	1.018	1.004	1.009	1.004	1.008	1.006
6/30/2003	1.061	1.066	0.990	1.064	1.005	1.000	1.008	0.988	1.012	1.008	1.000
6/30/2004	1.136	1.038	1.040	1.047	1.010	0.998	1.004	1.000	1.005	1.001	1.007
6/30/2005	1.055	1.095	1.032	1.023	1.007	1.003	1.005	1.010	1.013	0.996	0.998
6/30/2006	1.090	1.051	1.022	1.012	1.030	1.017	1.003	1.003	0.994	1.003	1.002
6/30/2007	1.105	1.068	1.015	1.014	1.003	1.004	1.018	1.018	0.998	1.002	
6/30/2008	1.114	1.031	1.001	1.015	1.022	1.016	1.006	1.005	1.001		
6/30/2009	1.038	1.049	1.008	1.001	1.010	0.998	0.998	1.003			
6/30/2010	1.120	1.056	1.018	1.017	1.004	1.001	1.000				
6/30/2011	1.076	1.012	1.014	0.997	1.010	1.006					
6/30/2012	1.076	1.040	1.007	1.009	1.004						
6/30/2013	1.110	1.045	1.040	1.007							
6/30/2014	1.062	1.043	1.028								
6/30/2015	1.105	1.036									
6/30/2016	1.109										
3 Yr Mean	1.092	1.041	1.025	1.004	1.006	1.002	1.001	1.009	0.998	1.000	1.002
Best 3/5	1.097	1.040	1.020	1.006	1.008	1.004	1.003	1.006	1.001	1.002	1.003

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/1998	0.997	0.999	1.002	1.001	1.003	1.006	1.004	0.998
6/30/1999	1.001	1.003	0.999	1.004	1.004	1.002	1.004	1.003 *
6/30/2000	1.002	1.001	1.003	1.000	1.000	1.007	1.003 *	1.003 *
6/30/2001	1.002	1.002	1.000	1.002	1.003	1.002 *	1.003 *	1.003 *
6/30/2002	0.997	0.998	1.005	1.001	1.001 *	1.002 *	1.003 *	1.003 *
6/30/2003	1.002	1.002	1.001					
6/30/2004	1.002	0.999						
6/30/2005	0.997							
3 Yr Mean	1.000	1.000	1.002	1.001	1.002 @	1.005 @	1.004 @	0.998 @
Best 3/5	1.000	1.001	1.001	1.001	1.002 *	1.003 *	1.003 *	1.003 *

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
6/30/2013					1.008	1.004	1.003	1.006	1.001	1.002	1.003
6/30/2014				1.006	1.008	1.004	1.003	1.006	1.001	1.002	1.003
6/30/2015			1.020	1.006	1.008	1.004	1.003	1.006	1.001	1.002	1.003
6/30/2016		1.040	1.020	1.006	1.008	1.004	1.003	1.006	1.001	1.002	1.003
6/30/2017	1.097	1.040	1.020	1.006	1.008	1.004	1.003	1.006	1.001	1.002	1.003

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2013	1.000	1.001	1.001	1.001	1.002	1.003	1.003	1.003	1.012*	1.054
6/30/2014	1.000	1.001	1.001	1.001	1.002	1.003	1.003	1.003	1.012*	1.061
6/30/2015	1.000	1.001	1.001	1.001	1.002	1.003	1.003	1.003	1.012*	1.082
6/30/2016	1.000	1.001	1.001	1.001	1.002	1.003	1.003	1.003	1.012*	1.125
6/30/2017	1.000	1.001	1.001	1.001	1.002	1.003	1.003	1.003	1.012*	1.234

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

PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
DEDUCTIBLE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/1998	2,234,090	2,871,269	2,761,279	2,897,099	2,853,224	2,796,614	2,803,094	2,977,756	3,196,593	3,177,969	3,184,882
6/30/1999	2,330,063	2,165,698	2,445,270	2,604,025	2,600,918	2,530,055	2,590,911	2,793,387	3,018,461	3,141,444	2,979,513
6/30/2000	2,256,610	2,792,975	2,754,375	2,941,417	2,831,927	2,979,225	3,003,117	3,162,558	3,128,669	3,128,189	3,119,864
6/30/2001	2,360,908	2,681,771	3,016,231	3,200,484	3,193,689	3,272,372	3,405,802	3,172,450	3,319,348	3,345,293	3,403,658
6/30/2002	2,008,138	2,302,204	2,266,677	2,379,306	2,483,515	2,594,483	2,540,467	2,474,039	2,568,538	2,568,539	2,575,039
6/30/2003	1,848,737	1,915,722	1,966,662	2,123,440	2,142,058	2,025,512	2,030,139	2,085,854	2,110,971	2,108,121	2,109,121
6/30/2004	2,710,318	2,864,751	3,146,264	3,418,420	3,573,931	3,652,717	3,519,439	3,612,456	3,554,456	3,622,026	3,631,977
6/30/2005	2,715,202	2,718,576	2,691,428	3,083,370	2,976,965	3,135,987	3,006,005	3,140,505	3,154,506	3,148,294	3,144,294
6/30/2006	2,037,263	2,295,599	2,565,472	2,657,079	2,684,809	2,816,495	2,928,194	2,966,291	2,929,250	2,931,473	2,862,107
6/30/2007	2,153,943	2,967,885	3,548,042	3,431,627	3,377,799	3,212,610	3,182,246	3,207,224	3,305,225	3,305,224	3,325,224
6/30/2008	1,849,491	2,353,081	1,960,611	1,949,207	1,913,922	1,940,952	1,904,141	1,896,941	1,898,941	1,899,043	
6/30/2009	2,980,944	2,310,384	2,701,393	2,523,058	2,609,519	2,667,745	2,755,667	2,673,246	2,673,245		
6/30/2010	2,246,388	2,289,951	2,247,191	2,403,632	2,558,403	2,648,557	2,703,408	2,645,525			
6/30/2011	2,000,818	2,204,124	2,533,546	2,424,962	2,495,812	2,510,426	2,482,337				
6/30/2012	1,682,463	1,996,171	2,158,245	2,436,040	2,445,779	2,942,137					
6/30/2013	2,110,270	2,313,813	2,430,216	2,323,870	2,605,947						
6/30/2014	2,623,679	2,490,277	2,312,408	2,474,873							
6/30/2015	3,743,037	3,805,789	3,703,701								
6/30/2016	2,902,682	3,027,129									
6/30/2017	2,866,441										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	3,241,725	3,209,801	3,198,548	3,248,554	3,343,413	3,343,413	3,293,413	3,293,413	3,293,413
6/30/1999	2,979,513	2,979,513	2,979,513	3,074,373	3,074,373	3,074,338	3,074,338	3,074,338	
6/30/2000	3,144,389	3,115,264	3,115,264	3,115,164	3,115,164	3,115,164	3,215,164		
6/30/2001	3,399,033	3,399,342	3,249,342	3,274,444	3,299,444	3,388,906			
6/30/2002	2,580,038	2,608,039	2,600,038	2,600,038	2,700,038				
6/30/2003	2,117,621	2,117,621	2,217,621	2,417,621					
6/30/2004	3,732,856	3,734,732	3,742,632						
6/30/2005	3,148,515	3,144,301							
6/30/2006	2,865,872								

PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
DEDUCTIBLE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE
Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/1998	1.285	0.962	1.049	0.985	0.980	1.002	1.062	1.073	0.994	1.002	1.018
6/30/1999	0.929	1.129	1.065	0.999	0.973	1.024	1.078	1.081	1.041	0.948	1.000
6/30/2000	1.238	0.986	1.068	0.963	1.052	1.008	1.053	0.989	1.000	0.997	1.008
6/30/2001	1.136	1.125	1.061	0.998	1.025	1.041	0.931	1.046	1.008	1.017	0.999
6/30/2002	1.146	0.985	1.050	1.044	1.045	0.979	0.974	1.038	1.000	1.003	1.002
6/30/2003	1.036	1.027	1.080	1.009	0.946	1.002	1.027	1.012	0.999	1.000	1.004
6/30/2004	1.057	1.098	1.087	1.045	1.022	0.964	1.026	0.984	1.019	1.003	1.028
6/30/2005	1.001	0.990	1.146	0.965	1.053	0.959	1.045	1.004	0.998	0.999	1.001
6/30/2006	1.127	1.118	1.036	1.010	1.049	1.040	1.013	0.988	1.001	0.976	1.001
6/30/2007	1.378	1.195	0.967	0.984	0.951	0.991	1.008	1.031	1.000	1.006	
6/30/2008	1.272	0.833	0.994	0.982	1.014	0.981	0.996	1.001	1.000		
6/30/2009	0.775	1.169	0.934	1.034	1.022	1.033	0.970	1.000			
6/30/2010	1.019	0.981	1.070	1.064	1.035	1.021	0.979				
6/30/2011	1.102	1.149	0.957	1.029	1.006	0.989					
6/30/2012	1.186	1.081	1.129	1.004	1.203						
6/30/2013	1.096	1.050	0.956	1.121							
6/30/2014	0.949	0.929	1.070								
6/30/2015	1.017	0.973									
6/30/2016	1.043										
3 Yr Mean	1.003	0.984	1.052	1.051	1.081	1.014	0.982	1.011	1.000	0.994	1.010
Best 3/5	1.052	1.035	1.032	1.042	1.024	1.000	0.994	1.002	1.000	1.001	1.002

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/1998	0.990	0.996	1.016	1.029	1.000	0.985	1.000	1.000
6/30/1999	1.000	1.000	1.032	1.000	1.000	1.000	1.000	1.000 *
6/30/2000	0.991	1.000	1.000	1.000	1.000	1.032	1.000 *	1.000 *
6/30/2001	1.000	0.956	1.008	1.008	1.027	1.001 *	1.000 *	1.000 *
6/30/2002	1.011	0.997	1.000	1.038	1.011 *	1.001 *	1.000 *	1.000 *
6/30/2003	1.000	1.047	1.090					
6/30/2004	1.001	1.002						
6/30/2005	0.999							
3 Yr Mean	1.000	1.015	1.033	1.015	1.009 @	1.006 @	1.000 @	1.000 @
Best 3/5	1.000	1.000	1.013	1.012	1.004 *	1.001 *	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
6/30/2013					1.024	1.000	0.994	1.002	1.000	1.001	1.002
6/30/2014				1.042	1.024	1.000	0.994	1.002	1.000	1.001	1.002
6/30/2015			1.032	1.042	1.024	1.000	0.994	1.002	1.000	1.001	1.002
6/30/2016		1.035	1.032	1.042	1.024	1.000	0.994	1.002	1.000	1.001	1.002
6/30/2017	1.052	1.035	1.032	1.042	1.024	1.000	0.994	1.002	1.000	1.001	1.002

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2013	1.000	1.000	1.013	1.012	1.004	1.001	1.000	1.000	1.000*	1.054
6/30/2014	1.000	1.000	1.013	1.012	1.004	1.001	1.000	1.000	1.000*	1.098
6/30/2015	1.000	1.000	1.013	1.012	1.004	1.001	1.000	1.000	1.000*	1.133
6/30/2016	1.000	1.000	1.013	1.012	1.004	1.001	1.000	1.000	1.000*	1.173
6/30/2017	1.000	1.000	1.013	1.012	1.004	1.001	1.000	1.000	1.000*	1.234

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

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


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
6/30/1998   4,206,701   7,990,631  12,799,196  16,399,821  17,683,032  19,337,950  19,753,917  22,811,728  22,502,014  25,540,677  25,853,094
6/30/1999   3,916,384   9,395,803  13,095,271  14,392,123  17,240,333  17,892,182  18,534,840  20,032,392  20,582,317  21,907,657  23,728,340
6/30/2000   4,699,410  10,751,723  15,699,125  20,434,680  22,277,231  23,858,716  27,679,692  28,244,328  28,379,890  28,776,648  29,308,964
6/30/2001   6,095,269  11,254,720  18,579,534  22,347,246  27,068,075  31,035,042  34,346,827  37,851,823  39,261,073  39,369,191  39,293,122
6/30/2002   3,923,784   8,802,257  11,527,588  17,046,766  21,527,236  29,382,061  33,099,516  36,512,740  38,569,077  39,246,943  40,182,176
6/30/2003   3,555,011   7,559,285  12,164,819  16,597,009  21,597,789  24,009,375  25,612,172  26,405,258  26,811,428  27,339,868  27,636,058
6/30/2004   3,469,694   7,912,400  12,529,268  16,638,385  21,465,173  25,437,910  28,228,885  28,368,045  29,808,896  30,665,928  30,694,864
6/30/2005   3,888,773   7,698,187  13,597,191  17,388,603  20,549,768  22,662,682  23,757,902  24,513,785  25,432,800  27,228,566  27,528,294
6/30/2006   2,972,694   7,140,819  11,600,633  15,679,471  17,702,076  21,783,026  24,703,310  25,785,335  26,042,385  26,474,585  29,584,392
6/30/2007   3,743,498   9,646,120  15,713,690  21,784,095  24,558,851  27,044,063  29,655,740  30,414,465  32,366,907  32,771,838  33,057,349
6/30/2008   4,686,488  10,584,863  16,736,650  22,130,291  26,882,162  29,411,881  30,340,615  31,547,043  32,714,096  33,585,102
6/30/2009   4,363,270   9,223,560  15,932,527  19,729,294  24,190,993  26,127,904  27,528,746  28,776,046  29,645,229
6/30/2010   5,230,677  11,462,274  18,497,285  24,504,610  28,593,187  31,037,445  33,720,210  34,973,931
6/30/2011   5,939,917  13,628,565  19,171,130  24,727,576  29,145,293  32,474,958  33,072,191
6/30/2012   6,939,745  12,706,601  20,013,853  25,291,409  29,702,514  32,622,064
6/30/2013   6,240,684  12,362,345  19,864,317  27,887,950  30,565,328
6/30/2014   6,734,564  12,872,418  18,355,233  22,579,857
6/30/2015   6,514,521  13,394,351  22,015,920
6/30/2016   6,493,241  11,963,323
6/30/2017   6,384,517


A.Y.E.     147 Months  159 Months  171 Months  183 Months  195 Months  207 Months  219 Months  231 Months  243 Months
6/30/1998  25,903,228  26,164,373  26,319,054  26,570,398  26,579,679  26,454,087  26,511,420  26,614,677  26,519,435
6/30/1999  23,921,461  24,746,544  25,168,723  25,067,709  25,188,662  25,208,554  25,275,565  25,275,399
6/30/2000  29,860,042  30,114,398  30,339,066  30,783,673  30,934,255  31,034,497  40,464,635
6/30/2001  39,786,563  40,037,670  40,054,473  40,082,405  40,105,949  40,141,418
6/30/2002  40,971,012  41,108,233  41,092,931  41,294,804  41,339,934
6/30/2003  27,671,965  27,742,488  27,692,934  28,043,476
6/30/2004  31,544,123  31,614,093  31,675,296
6/30/2005  27,461,578  27,785,342
6/30/2006  29,952,301
```

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

Increments

A.Y.E.	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
6/30/1998	3,783,930	4,808,565	3,600,625	1,283,211	1,654,918	415,967	3,057,811	-309,714	3,038,663	312,417	50,134	261,145	154,681
6/30/1999	5,479,419	3,699,468	1,296,852	2,848,210	651,849	642,658	1,497,552	549,925	1,325,340	1,820,683	193,121	825,083	422,179
6/30/2000	6,052,313	4,947,402	4,735,555	1,842,551	1,581,485	3,820,976	564,636	135,562	396,758	532,316	551,078	254,356	224,668
6/30/2001	5,159,451	7,324,814	3,767,712	4,720,829	3,966,967	3,311,785	3,504,996	1,409,250	108,118	-76,069	493,441	251,107	16,803
6/30/2002	4,878,473	2,725,331	5,519,178	4,480,470	7,854,825	3,717,455	3,413,224	2,056,337	677,866	935,233	788,836	137,221	-15,302
6/30/2003	4,004,274	4,605,534	4,432,190	5,000,780	2,411,586	1,602,797	793,086	406,170	528,440	296,190	35,907	70,523	-49,554
6/30/2004	4,442,706	4,616,868	4,109,117	4,826,788	3,972,737	2,790,975	139,160	1,440,851	857,032	28,936	849,259	69,970	61,203
6/30/2005	3,809,414	5,899,004	3,791,412	3,161,165	2,112,914	1,095,220	755,883	919,015	1,795,766	299,728	-66,716	323,764	
6/30/2006	4,168,125	4,459,814	4,078,838	2,022,605	4,080,950	2,920,284	1,082,025	257,050	432,200	3,109,807	367,909		
6/30/2007	5,902,622	6,067,570	6,070,405	2,774,756	2,485,212	2,611,677	758,725	1,952,442	404,931	285,511			
6/30/2008	5,898,375	6,151,787	5,393,641	4,751,871	2,529,719	928,734	1,206,428	1,167,053	871,006				
6/30/2009	4,860,290	6,708,967	3,796,767	4,461,699	1,936,911	1,400,842	1,247,300	869,183					
6/30/2010	6,231,597	7,035,011	6,007,325	4,088,577	2,444,258	2,682,765	1,253,721						
6/30/2011	7,688,648	5,542,565	5,556,446	4,417,717	3,329,665	597,233							
6/30/2012	5,766,856	7,307,252	5,277,556	4,411,105	2,919,550								
6/30/2013	6,121,661	7,501,972	8,023,633	2,677,378									
6/30/2014	6,137,854	5,482,815	4,224,624										
6/30/2015	6,879,830	8,621,569											
6/30/2016	5,470,082												

Incremental Percentages

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/1998	0.0548	0.0696	0.0521	0.0186	0.0240	0.0060	0.0443	-0.0045	0.0440	0.0045	0.0007	0.0038	0.0022
6/30/1999	0.0770	0.0520	0.0182	0.0400	0.0092	0.0090	0.0210	0.0077	0.0186	0.0256	0.0027	0.0116	0.0059
6/30/2000	0.0794	0.0649	0.0621	0.0242	0.0208	0.0501	0.0074	0.0018	0.0052	0.0070	0.0072	0.0033	0.0029
6/30/2001	0.0720	0.1022	0.0525	0.0658	0.0553	0.0462	0.0489	0.0197	0.0015	-0.0011	0.0069	0.0035	0.0002
6/30/2002	0.0710	0.0396	0.0803	0.0652	0.1143	0.0541	0.0497	0.0299	0.0099	0.0136	0.0115	0.0020	-0.0002
6/30/2003	0.0644	0.0741	0.0713	0.0804	0.0388	0.0258	0.0128	0.0065	0.0085	0.0048	0.0006	0.0011	-0.0008
6/30/2004	0.0721	0.0749	0.0667	0.0783	0.0645	0.0453	0.0023	0.0234	0.0139	0.0005	0.0138	0.0011	0.0010
6/30/2005	0.0685	0.1061	0.0682	0.0568	0.0380	0.0197	0.0136	0.0165	0.0323	0.0054	-0.0012	0.0058	
6/30/2006	0.0802	0.0858	0.0785	0.0389	0.0785	0.0562	0.0208	0.0049	0.0083	0.0598	0.0071		
6/30/2007	0.1017	0.1046	0.1046	0.0478	0.0428	0.0450	0.0131	0.0337	0.0070	0.0049			
6/30/2008	0.0893	0.0932	0.0817	0.0720	0.0383	0.0141	0.0183	0.0177	0.0132				
6/30/2009	0.0789	0.1089	0.0616	0.0724	0.0314	0.0227	0.0203	0.0141					
6/30/2010	0.0886	0.1000	0.0854	0.0581	0.0347	0.0381	0.0178						
6/30/2011	0.0964	0.0695	0.0697	0.0554	0.0418	0.0075							
6/30/2012	0.0739	0.0937	0.0677	0.0565	0.0374								
6/30/2013	0.0804	0.0986	0.1054	0.0352									
6/30/2014	0.0695	0.0621	0.0479										
6/30/2015	0.0839	0.1051											
6/30/2016	0.0787												
Best 3/5	0.0777	0.0873	0.0743	0.0567	0.0368	0.0250	0.0188	0.0161	0.0118	0.0050	0.0064	0.0022	0.0003

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
6/30/1998	18,101,043	27,180,296	31,943,206	32,271,624	34,274,168	34,079,787	34,342,421	34,393,939	34,053,928	34,104,831	33,924,735
6/30/1999	17,961,604	24,466,633	24,598,211	28,135,018	26,147,614	26,030,574	25,846,117	25,747,118	25,950,593	25,891,411	25,914,779
6/30/2000	17,519,503	20,794,671	32,386,636	32,540,119	31,924,618	32,114,242	32,701,800	32,894,324	32,808,482	32,879,534	32,652,695
6/30/2001	14,299,810	30,435,827	32,951,038	35,731,131	37,294,034	37,620,149	37,589,825	37,612,405	37,704,660	37,503,863	37,272,617
6/30/2002	16,133,394	19,549,003	22,504,926	25,130,475	23,258,142	22,668,880	22,542,734	22,296,566	22,483,154	22,492,278	22,348,980
6/30/2003	11,328,097	13,909,395	17,397,260	15,751,784	15,696,034	15,881,643	15,048,750	14,900,590	15,130,522	14,947,391	15,141,058
6/30/2004	16,934,539	21,834,366	18,832,651	19,352,918	18,962,894	18,711,953	18,830,586	18,826,071	18,812,010	19,038,692	19,058,347
6/30/2005	15,151,147	19,093,950	21,352,637	20,969,907	20,382,440	20,480,933	20,122,895	20,221,368	20,317,401	20,592,157	20,486,076
6/30/2006	19,524,659	23,501,040	24,464,486	23,766,539	22,963,953	22,991,097	22,711,937	22,810,466	22,603,529	22,424,681	22,439,682
6/30/2007	18,586,018	22,823,706	23,333,309	23,462,711	23,215,874	22,710,655	22,620,624	22,731,025	22,798,583	23,033,065	22,965,915
6/30/2008	17,241,046	19,097,703	18,651,441	18,413,591	18,330,684	18,415,794	18,597,911	18,702,804	18,628,769	18,677,942	
6/30/2009	14,025,462	16,211,298	16,050,805	16,306,977	17,137,385	17,163,375	17,205,079	17,049,602	16,793,006		
6/30/2010	12,414,490	15,442,102	16,463,008	16,317,801	16,609,463	16,389,163	16,156,358	16,099,962			
6/30/2011	10,516,242	12,332,543	13,455,635	14,565,113	14,603,820	14,567,872	14,259,021				
6/30/2012	9,257,945	12,104,743	12,045,882	12,327,514	12,740,575	12,114,032					
6/30/2013	9,831,975	11,582,552	12,920,884	12,989,819	13,313,866						
6/30/2014	8,898,667	12,079,739	15,099,898	15,161,081							
6/30/2015	9,770,152	12,352,959	15,458,098								
6/30/2016	10,660,138	13,617,052									
6/30/2017	10,737,611										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	33,947,469	33,950,916	33,926,933	34,046,311	34,217,882	34,210,924	34,378,560	34,459,953	34,479,163
6/30/1999	25,865,446	25,950,289	25,930,314	25,972,134	25,961,054	26,055,226	26,118,869	26,133,967	
6/30/2000	32,374,846	32,373,835	32,585,152	32,485,152	32,535,152	32,538,652	32,574,794		
6/30/2001	37,171,261	37,355,961	37,355,961	37,445,961	37,456,296	37,456,195			
6/30/2002	22,463,543	22,547,018	22,647,018	22,600,368	22,592,518				
6/30/2003	15,106,788	15,171,689	15,175,986	15,253,486					
6/30/2004	18,854,233	18,929,344	18,974,144						
6/30/2005	20,282,328	20,407,325							
6/30/2006	22,648,432								

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
6/30/1998	1.502	1.175	1.010	1.062	0.994	1.008	1.002	0.990	1.001	0.995	1.001
6/30/1999	1.362	1.005	1.144	0.929	0.996	0.993	0.996	1.008	0.998	1.001	0.998
6/30/2000	1.187	1.557	1.005	0.981	1.006	1.018	1.006	0.997	1.002	0.993	0.991
6/30/2001	2.128	1.083	1.084	1.044	1.009	0.999	1.001	1.002	0.995	0.994	0.997
6/30/2002	1.212	1.151	1.117	0.925	0.975	0.994	0.989	1.008	1.000	0.994	1.005
6/30/2003	1.228	1.251	0.905	0.996	1.012	0.948	0.990	1.015	0.988	1.013	0.998
6/30/2004	1.289	0.863	1.028	0.980	0.987	1.006	1.000	0.999	1.012	1.001	0.989
6/30/2005	1.260	1.118	0.982	0.972	1.005	0.983	1.005	1.005	1.014	0.995	0.990
6/30/2006	1.204	1.041	0.971	0.966	1.001	0.988	1.004	0.991	0.992	1.001	1.009
6/30/2007	1.228	1.022	1.006	0.989	0.978	0.996	1.005	1.003	1.010	0.997	
6/30/2008	1.108	0.977	0.987	0.995	1.005	1.010	1.006	0.996	1.003		
6/30/2009	1.156	0.990	1.016	1.051	1.002	1.002	0.991	0.985			
6/30/2010	1.244	1.066	0.991	1.018	0.987	0.986	0.997				
6/30/2011	1.173	1.091	1.082	1.003	0.998	0.979					
6/30/2012	1.307	0.995	1.023	1.034	0.951						
6/30/2013	1.178	1.116	1.005	1.025							
6/30/2014	1.357	1.250	1.004								
6/30/2015	1.264	1.251									
6/30/2016	1.277										
3 Yr Mean	1.299	1.206	1.011	1.021	0.979	0.989	0.998	0.995	1.002	0.998	0.996
Best 3/5	1.283	1.152	1.011	1.026	0.996	0.995	1.002	0.997	1.008	1.000	0.998

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/1998	1.000	0.999	1.004	1.005	1.000	1.005	1.002	1.001
6/30/1999	1.003	0.999	1.002	1.000	1.004	1.002	1.001	1.001 *
6/30/2000	1.000	1.007	0.997	1.002	1.000	1.001	1.001 *	1.001 *
6/30/2001	1.005	1.000	1.002	1.000	1.000	1.000 *	1.001 *	1.001 *
6/30/2002	1.004	1.004	0.998	1.000	1.001 *	1.000 *	1.001 *	1.001 *
6/30/2003	1.004	1.000	1.005					
6/30/2004	1.004	1.002						
6/30/2005	1.006							
3 Yr Mean	1.005	1.002	1.002	1.001	1.001 @	1.003 @	1.002 @	1.001 @
Best 3/5	1.004	1.002	1.001	1.001	1.000 *	1.001 *	1.001 *	1.001 *

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2013					0.996	0.995	1.002	0.997	1.008	1.000	0.998
6/30/2014				1.026	0.996	0.995	1.002	0.997	1.008	1.000	0.998
6/30/2015			1.011	1.026	0.996	0.995	1.002	0.997	1.008	1.000	0.998
6/30/2016		1.152	1.011	1.026	0.996	0.995	1.002	0.997	1.008	1.000	0.998
6/30/2017	1.283	1.152	1.011	1.026	0.996	0.995	1.002	0.997	1.008	1.000	0.998

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2013	1.004	1.002	1.001	1.001	1.000	1.001	1.001	1.001	1.004*	1.011
6/30/2014	1.004	1.002	1.001	1.001	1.000	1.001	1.001	1.001	1.004*	1.037
6/30/2015	1.004	1.002	1.001	1.001	1.000	1.001	1.001	1.001	1.004*	1.049
6/30/2016	1.004	1.002	1.001	1.001	1.000	1.001	1.001	1.001	1.004*	1.208
6/30/2017	1.004	1.002	1.001	1.001	1.000	1.001	1.001	1.001	1.004*	1.550

* 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

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
6/30/1998	6,373,160	18,526,232	31,430,545	30,927,361	41,784,694	39,791,834	42,960,477	43,802,892	43,970,692	43,887,190	43,357,966
6/30/1999	5,650,778	14,243,328	17,494,746	25,110,246	24,980,599	25,693,428	25,906,883	26,635,779	27,541,416	27,361,743	27,401,876
6/30/2000	7,421,513	11,334,555	22,089,151	23,968,491	26,338,525	28,389,641	31,027,593	33,082,291	35,696,158	38,312,522	37,877,596
6/30/2001	4,295,076	15,518,958	22,179,495	29,285,056	32,653,327	37,470,109	39,008,340	39,752,987	40,615,389	41,783,599	41,830,820
6/30/2002	5,401,683	10,339,105	14,708,700	18,390,198	18,239,916	20,456,997	21,764,844	21,646,043	21,785,822	21,955,660	21,938,772
6/30/2003	3,717,275	8,912,512	11,838,784	15,115,557	16,974,621	18,333,718	26,560,441	28,429,738	31,486,054	31,701,220	31,973,961
6/30/2004	3,778,642	7,726,404	12,748,547	17,609,344	20,842,648	21,335,642	21,403,475	22,324,598	22,604,006	22,646,623	22,838,667
6/30/2005	2,608,579	8,221,497	13,862,590	16,575,364	18,092,865	20,120,491	20,127,266	20,121,970	21,024,636	21,873,289	21,674,523
6/30/2006	2,890,103	9,269,805	13,618,927	16,824,871	18,538,911	19,828,055	23,516,426	24,761,008	27,145,345	29,774,640	29,884,447
6/30/2007	2,685,869	8,004,598	17,162,105	21,170,309	23,428,002	24,072,054	20,115,133	23,216,430	23,267,999	23,305,942	23,375,369
6/30/2008	2,197,786	6,856,535	10,010,733	14,033,819	14,754,889	15,667,508	16,438,838	17,097,936	17,179,925	17,415,676	
6/30/2009	3,033,885	8,076,223	12,260,077	17,890,615	24,232,901	26,826,802	27,544,902	28,030,021	28,384,649		
6/30/2010	3,438,840	12,289,133	20,196,586	22,377,249	26,987,323	30,584,926	32,550,863	34,259,807			
6/30/2011	4,679,771	13,995,074	21,089,851	26,546,427	31,394,426	33,731,831	35,507,037				
6/30/2012	3,686,335	11,299,526	16,257,281	27,866,619	29,207,288	32,624,982					
6/30/2013	3,278,564	9,722,375	14,021,467	19,355,444	22,868,223						
6/30/2014	4,657,918	12,097,148	18,134,724	18,932,227							
6/30/2015	4,961,520	10,361,066	17,255,286								
6/30/2016	5,327,620	11,350,573									
6/30/2017	4,159,370										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	43,448,339	43,461,436	43,469,878	43,558,985	44,903,386	44,861,111	45,083,448	45,054,933	45,049,832
6/30/1999	27,411,486	27,571,594	27,602,649	27,612,520	27,615,973	27,785,780	27,880,051	28,071,400	
6/30/2000	37,912,522	37,674,312	37,695,362	37,696,296	37,793,502	37,838,101	37,845,773		
6/30/2001	41,787,588	41,788,880	41,795,040	41,784,216	41,785,763	41,785,763			
6/30/2002	22,027,903	22,072,887	22,137,265	22,140,466	22,140,049				
6/30/2003	31,944,227	34,773,218	34,781,437	34,845,353					
6/30/2004	22,800,546	23,012,053	22,994,270						
6/30/2005	21,515,730	22,918,953							
6/30/2006	30,136,560								

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

Increments

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/1998	12,153,072	12,904,313	-503,184	10,857,333	-1,992,860	3,168,643	842,415	167,800	-83,502	-529,224	90,373	13,097	8,442
6/30/1999	8,592,550	3,251,418	7,615,500	-129,647	712,829	213,455	728,896	905,637	-179,673	40,133	9,610	160,108	31,055
6/30/2000	3,913,042	10,754,596	1,879,340	2,370,034	2,051,116	2,637,952	2,054,698	2,613,867	2,616,364	-434,926	34,926	-238,210	21,050
6/30/2001	11,223,882	6,660,537	7,105,561	3,368,271	4,816,782	1,538,231	744,647	862,402	1,168,210	47,221	-43,232	1,292	6,160
6/30/2002	4,937,422	4,369,595	3,681,498	-150,282	2,217,081	1,307,847	-118,801	139,779	169,838	-16,888	89,131	44,984	64,378
6/30/2003	5,195,237	2,926,272	3,276,773	1,859,064	1,359,097	8,226,723	1,869,297	3,056,316	215,166	272,741	-29,734	2,828,991	8,219
6/30/2004	3,947,762	5,022,143	4,860,797	3,233,304	492,994	67,833	921,123	279,408	42,617	192,044	-38,121	211,507	-17,783
6/30/2005	5,612,918	5,641,093	2,712,774	1,517,501	2,027,626	6,775	-5,296	902,666	848,653	-198,766	-158,793	1,403,223	
6/30/2006	6,379,702	4,349,122	3,205,944	1,714,040	1,289,144	3,688,371	1,244,582	2,384,337	2,629,295	109,807	252,113		
6/30/2007	5,318,729	9,157,507	4,008,204	2,257,693	644,052	-3,956,921	3,101,297	51,569	37,943	69,427			
6/30/2008	4,658,749	3,154,198	4,023,086	721,070	912,619	771,330	659,098	81,989	235,751				
6/30/2009	5,042,338	4,183,854	5,630,538	6,342,286	2,593,901	718,100	485,119	354,628					
6/30/2010	8,850,293	7,907,453	2,180,663	4,610,074	3,597,603	1,965,937	1,708,944						
6/30/2011	9,315,303	7,094,777	5,456,576	4,847,999	2,337,405	1,775,206							
6/30/2012	7,613,191	4,957,755	11,609,338	1,340,669	3,417,694								
6/30/2013	6,443,811	4,299,092	5,333,977	3,512,779									
6/30/2014	7,439,230	6,037,576	797,503										
6/30/2015	5,399,546	6,894,220											
6/30/2016	6,022,953												

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
6/30/1998	0.2013	0.2137	-0.0083	0.1798	-0.0330	0.0525	0.0140	0.0028	-0.0014	-0.0088	0.0015	0.0002	0.0001
6/30/1999	0.2083	0.0788	0.1846	-0.0031	0.0173	0.0052	0.0177	0.0219	-0.0044	0.0010	0.0002	0.0039	0.0008
6/30/2000	0.0759	0.2087	0.0365	0.0460	0.0398	0.0512	0.0399	0.0507	0.0508	-0.0084	0.0007	-0.0046	0.0004
6/30/2001	0.1915	0.1136	0.1212	0.0575	0.0822	0.0262	0.0127	0.0147	0.0199	0.0008	-0.0007	0.0000	0.0001
6/30/2002	0.1425	0.1261	0.1062	-0.0043	0.0640	0.0377	-0.0034	0.0040	0.0049	-0.0005	0.0026	0.0013	0.0019
6/30/2003	0.2208	0.1244	0.1393	0.0790	0.0578	0.3496	0.0794	0.1299	0.0091	0.0116	-0.0013	0.1202	0.0003
6/30/2004	0.1293	0.1644	0.1592	0.1059	0.0161	0.0022	0.0302	0.0091	0.0014	0.0063	-0.0012	0.0069	-0.0006
6/30/2005	0.1648	0.1657	0.0797	0.0446	0.0595	0.0002	-0.0002	0.0265	0.0249	-0.0058	-0.0047	0.0412	
6/30/2006	0.1909	0.1301	0.0959	0.0513	0.0386	0.1104	0.0372	0.0713	0.0787	0.0033	0.0075		
6/30/2007	0.1488	0.2563	0.1122	0.0632	0.0180	-0.1107	0.0868	0.0014	0.0011	0.0019			
6/30/2008	0.1707	0.1155	0.1474	0.0264	0.0334	0.0283	0.0241	0.0030	0.0086				
6/30/2009	0.1817	0.1507	0.2029	0.2285	0.0935	0.0259	0.0175	0.0128					
6/30/2010	0.2940	0.2627	0.0724	0.1532	0.1195	0.0653	0.0568						
6/30/2011	0.3755	0.2860	0.2200	0.1954	0.0942	0.0716							
6/30/2012	0.3765	0.2452	0.5741	0.0663	0.1690								
6/30/2013	0.3008	0.2007	0.2490	0.1640									
6/30/2014	0.2851	0.2314	0.0306										
6/30/2015	0.2002	0.2556											
6/30/2016	0.2107												
Best 3/5	0.2655	0.2440	0.1805	0.1709	0.1024	0.0398	0.0394	0.0141	0.0117	0.0038	0.0000	0.0165	0.0003

Multistate Review of ULAE Experience
General Liability Including CMP Liability
Loss Adjustment Expense Special Call
Calendar Years 2012 - 2016

Item *	2012	2013	2014	2015	2016	2012 - 2016 Mean
1. Direct Losses Incurred	$18,480,140	$18,521,277	$19,140,390	$24,110,646	$25,085,478	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	$5,270,137	$5,080,420	$4,727,492	$5,601,664	$4,581,304	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	$1,892,698	$2,061,866	$2,159,178	$2,371,173	$2,496,550	
4. Incurred Losses + ALAE [(1) + (2)]	$23,750,277	$23,601,697	$23,867,882	$29,712,310	$29,666,781	

Incurred Percentage

	2012	2013	2014	2015	2016	2012 - 2016 Mean
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	8.0%	8.7%	9.0%	8.0%	8.4%	8.4%

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) EXPOSURE TREND	MANUFACTURERS	CONTRACTORS	OL&T CLASS GROUPS 1-13 *	OL&T CLASS GROUP 16	PREMISES/ OPERATIONS
a) 1/1/2015 to 1/1/2020 AYE 6/30/2015	+ 1.3%	+ 2.9%	+ 0.9%	+ 1.7%	+ 1.1%
b) 1/1/2016 to 1/1/2020 AYE 6/30/2016	+ 1.6%	+ 3.0%	+ 0.9%	+ 1.9%	+ 1.2%
c) 1/1/2017 to 1/1/2020 AYE 6/30/2017	+ 2.1%	+ 2.9%	+ 0.9%	+ 2.0%	+ 1.2%

	MANUFACTURERS & CONTRACTORS			OWNERS, LANDLORDS & TENANTS		
(2) OCCURRENCE SEVERITY	Bodily Injury	Property Damage	Fringe	Bodily Injury	Property Damage	Fringe
a) Fitted						
All Years (20 Points)	+ 4.4%	+ 3.7%	- 2.4%	+ 4.2%	+ 4.0%	+ 1.1%
Eight Year (16 Points)	+ 5.1%	+ 5.1%	- 1.3%	+ 3.8%	+ 4.7%	- 5.1%
Six Year (12 Points)	+ 5.6%	+ 4.9%	- 2.4%	+ 3.4%	+ 4.4%	- 10.3%
b) Selected	+ 4.5%	+ 4.0%	+ 0.5%	+ 4.0%	+ 4.5%	+ 2.5%

(3) FREQUENCY TREND	M&C	OL&T
Selected	- 0.5%	- 1.5%

(4) TOTAL ANNUAL NET TREND

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 6/30/2015, 6/30/2016 & 6/30/2017

(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
2007	1	0.978	20.243	2014	1	1.037	24.295
	2	0.982	20.497		2	1.041	24.404
	3	0.984	20.718		3	1.044	24.527
	4	0.986	20.928		4	1.045	24.655
2008	1	0.984	21.143	2015	1	1.046	24.767
	2	0.980	21.357		2	1.047	24.913
	3	0.979	21.604		3	1.048	25.019
	4	0.981	21.880		4	1.049	25.174
2009	1	0.988	22.128	2016	1	1.050	25.317
	2	0.995	22.349		2	1.050	25.484
	3	0.999	22.502		3	1.049	25.742
	4	1.000	22.653		4	1.050	25.950
2010	1	0.996	22.806	2017	1	1.052	26.162
	2	0.993	22.928		2	1.052	26.325
	3	0.993	23.080		3	1.055	26.521
	4	0.996	23.208		4	1.056	26.707
2011	1	0.999	23.312	2018	1P	1.058	26.931
	2	1.004	23.427		2P	1.063	27.165
	3	1.009	23.556		3P	1.068	27.359
	4	1.012	23.638		4P	1.075	27.579
2012	1	1.016	23.715	2019	1P	1.083	27.777
	2	1.019	23.794		2P	1.092	27.979
	3	1.023	23.873		3P	1.101	28.181
	4	1.027	23.965		4P	1.108	28.378
2013	1	1.031	24.062	2020	1P	1.114	28.562
	2	1.033	24.140		2P	1.118	28.726
	3	1.034	24.167		3P	1.122	28.865
	4	1.036	24.208		4P	1.126	28.978

CHANGE IN EXPOSURES		MANUFACTURERS	CONTRACTORS
1/1/2015 to 1/1/2020	(2020:2/2015:2)	1.068	1.153
1/1/2016 to 1/1/2020	(2020:2/2016:2)	1.065	1.127
1/1/2017 to 1/1/2020	(2020:2/2017:2)	1.063	1.091

AVERAGE ANNUAL TREND FACTOR			
1/1/2015 to 1/1/2020	(5.0 YRS)	1.013	1.029
1/1/2016 to 1/1/2020	(4.0 YRS)	1.016	1.030
1/1/2017 to 1/1/2020	(3.0 YRS)	1.021	1.029

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

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

TYPE OF CLASS	VOLUME [2]	INFLATION TREND [3]
FURNITURE	16.2%	-2.3%
OTHER DURABLES	6.0%	0.2%
CLOTHING	10.3%	0.0%
FOOD	39.4%	1.6%
OTHER NON-DURABLES	28.1%	2.1%
TOTAL	100.0%	0.9%[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 6/30/2017. Inflation adjusted GDP is measured in terms of 2009 prices.

[3] Inflation trends are based on average annual growth rates in consumption components starting 2015 to 2020.

[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	YEAR ENDING QUARTER		FURNITURE	OTHER DURABLE GOODS	CLOTHING AND SHOES	FOOD AND BEVERAGES	OTHER NONDURABLE GOODS
2007	1	1.061	0.941	1.010	0.902	0.924	2014	1	0.851	1.036	1.054	1.088	1.058
	2	1.058	0.947	1.007	0.910	0.927		2	0.841	1.031	1.056	1.093	1.062
	3	1.053	0.952	1.003	0.919	0.929		3	0.833	1.027	1.057	1.099	1.065
	4	1.045	0.957	0.999	0.929	0.934		4	0.825	1.022	1.056	1.106	1.070
2008	1	1.039	0.963	0.996	0.940	0.938	2015	1	0.817	1.017	1.053	1.113	1.075
	2	1.031	0.972	0.993	0.951	0.944		2	0.811	1.010	1.050	1.118	1.079
	3	1.025	0.981	0.994	0.965	0.950		3	0.804	1.003	1.046	1.123	1.082
	4	1.022	0.989	0.991	0.979	0.956		4	0.799	0.996	1.043	1.126	1.084
2009	1	1.018	0.994	0.991	0.991	0.963	2016	1	0.793	0.996	1.041	1.129	1.087
	2	1.016	0.996	0.994	0.999	0.975		2	0.784	1.000	1.041	1.132	1.089
	3	1.009	0.997	0.996	1.001	0.988		3	0.776	1.003	1.040	1.133	1.094
	4	1.000	1.000	1.000	1.000	1.000		4	0.766	1.008	1.039	1.133	1.100
2010	1	0.989	1.001	1.002	1.000	1.010	2017	1	0.758	1.012	1.041	1.134	1.104
	2	0.975	1.002	1.000	1.001	1.014		2	0.751	1.012	1.039	1.136	1.108
	3	0.962	1.003	0.997	1.004	1.017		3	0.745	1.012	1.037	1.140	1.111
	4	0.950	1.004	0.993	1.007	1.020		4	0.740	1.012	1.034	1.144	1.112
2011	1	0.938	1.011	0.991	1.012	1.022	2018	1P	0.733	1.009	1.031	1.148	1.115
	2	0.929	1.020	0.993	1.020	1.026		2P	0.730	1.008	1.031	1.152	1.120
	3	0.923	1.028	1.000	1.030	1.030		3P	0.726	1.010	1.032	1.157	1.126
	4	0.917	1.036	1.011	1.041	1.035		4P	0.725	1.012	1.035	1.164	1.135
2012	1	0.912	1.042	1.022	1.050	1.040	2019	1P	0.725	1.014	1.037	1.172	1.145
	2	0.907	1.044	1.034	1.058	1.045		2P	0.725	1.016	1.039	1.179	1.156
	3	0.900	1.044	1.040	1.063	1.050		3P	0.726	1.019	1.042	1.188	1.167
	4	0.894	1.042	1.046	1.068	1.053		4P	0.725	1.021	1.045	1.195	1.177
2013	1	0.887	1.041	1.051	1.072	1.054	2020	1P	0.724	1.022	1.047	1.203	1.187
	2	0.878	1.041	1.051	1.076	1.055		2P	0.723	1.022	1.049	1.210	1.196
	3	0.869	1.042	1.054	1.081	1.056		3P	0.720	1.021	1.051	1.217	1.205
	4	0.861	1.040	1.054	1.084	1.056		4P	0.717	1.021	1.053	1.224	1.213

Change In Exposures*						Average Annual Trend Factor					
1/1/2015 to 1/1/2020 (2020:2/2015:2)	0.891	1.011	1.000	1.082	1.109	1/1/2015 to 1/1/2020 (5.0 Years)	-2.3%	0.2%	0.0%	1.6%	2.1%

*Assumes a loss cost revision date of January 1, 2019, and a prospective average date of coverage one year later (January 1, 2020).

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.

PREMISES/OPERATIONS
GOVERNMENTAL SUBDIVISIONS
OWNERS, LANDLORDS AND TENANTS
AVERAGE ANNUAL EXPOSURE TRENDS
FOR ACCIDENT YEARS ENDING 6/30/2015, 6/30/2016 & 6/30/2017

(1) YEAR ENDING QUARTER		(2) YEARLY VALUES BASED ON MOODY'S ANALYTICS EXPOSURE MODEL, HISTORY AND FORECASTS @	(1) YEAR ENDING QUARTER		(2) YEARLY VALUES BASED ON MOODY'S ANALYTICS EXPOSURE MODEL, HISTORY AND FORECASTS @
2007	1	0.919	2014	1	1.107
	2	0.930		2	1.113
	3	0.942		3	1.120
	4	0.954		4	1.125
2008	1	0.966	2015	1	1.126
	2	0.980		2	1.128
	3	0.994		3	1.130
	4	1.003		4	1.132
2009	1	1.005	2016	1	1.134
	2	1.004		2	1.136
	3	1.000		3	1.139
	4	1.000		4	1.142
2010	1	1.005	2017	1	1.149
	2	1.012		2	1.156
	3	1.019		3	1.163
	4	1.027		4	1.173
2011	1	1.035	2018	1P	1.180
	2	1.044		2P	1.186
	3	1.053		3P	1.192
	4	1.059		4P	1.196
2012	1	1.066	2019	1P	1.200
	2	1.070		2P	1.205
	3	1.074		3P	1.210
	4	1.080		4P	1.215
2013	1	1.085	2020	1P	1.221
	2	1.090		2P	1.225
	3	1.096		3P	1.230
	4	1.101		4P	1.234

CHANGE IN EXPOSURES   AVERAGE ANNUAL TREND FACTOR

1/1/2015 to 1/1/2020	(2020:2/2015:2)	1.086	1/1/2015 to 1/1/2020	(5.0 YRS)	1.017
1/1/2016 to 1/1/2020	(2020:2/2016:2)	1.079	1/1/2016 to 1/1/2020	(4.0 YRS)	1.019
1/1/2017 to 1/1/2020	(2020:2/2017:2)	1.060	1/1/2017 to 1/1/2020	(3.0 YRS)	1.020

* 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 2009 dollars.

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.

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

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Occurrences at Ultimate	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4) 10 Year	(5) 8 Year	(5) 6 Year
12/31/2007	$ 238,888,185	4,786	$ 49,914	$ 48,554		
6/30/2008	245,256,005	4,720	51,961	49,607		
12/31/2008	243,586,737	4,620	52,724	50,683		
6/30/2009	243,595,178	4,698	51,851	51,782		
12/31/2009	254,488,106	4,771	53,341	52,904	$ 51,164	
6/30/2010	262,107,132	4,915	53,328	54,052	52,457	
12/31/2010	261,241,708	4,984	52,416	55,223	53,783	
6/30/2011	284,913,437	5,161	55,205	56,421	55,142	
12/31/2011	291,234,469	5,017	58,050	57,644	56,535	$ 55,623
6/30/2012	259,079,512	4,400	58,882	58,894	57,963	57,168
12/31/2012	242,372,954	4,194	57,790	60,171	59,428	58,756
6/30/2013	250,024,014	4,269	58,567	61,476	60,929	60,388
12/31/2013	253,225,247	4,256	59,498	62,808	62,469	62,066
6/30/2014	287,732,356	4,594	62,632	64,170	64,047	63,790
12/31/2014	272,580,355	4,055	67,221	65,562	65,665	65,562
6/30/2015	253,447,771	3,676	68,947	66,983	67,325	67,384
12/31/2015	224,832,913	3,475	64,700	68,435	69,026	69,256
6/30/2016	219,864,855	3,137	70,088	69,919	70,770	71,180
12/31/2016	215,004,260	2,787	77,145	71,435	72,558	73,157
6/30/2017	225,995,248	2,952	76,557	72,984	74,391	75,189

		10 Year	8 Year	6 Year
Goodness of Fit Statistic, R-Squared:		0.915	0.918	0.876

Average Annual Severity Trend (10 yr)	+ 4.4%
Average Annual Severity Trend (8 yr)	+ 5.1%
Average Annual Severity Trend (6 yr)	+ 5.6%
Selected Annual Severity Trend	+ 4.5%

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

NOTE: Trends are based on reported paid full coverage data developed to ultimate using paid development factors
(See Section B- Explanation of Trend Calculation).

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

(1)	(2)	(3)	(4)	(5)		
Accident	Basic Limit	Occurrences	(2)/(3)	Exponential		
Year	Paid	at	Actual	Curve of		
Ending	Losses *	Ultimate	Severity	Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2007	$ 193,888,777	17,886	$ 10,840	$ 10,045		
6/30/2008	200,733,317	18,070	11,109	10,231		
12/31/2008	204,334,789	18,694	10,931	10,420		
6/30/2009	197,139,105	18,538	10,634	10,612		
12/31/2009	191,028,633	17,994	10,616	10,809	$ 10,160	
6/30/2010	193,052,682	18,581	10,390	11,008	10,416	
12/31/2010	197,568,066	19,149	10,317	11,212	10,678	
6/30/2011	200,669,070	19,176	10,465	11,419	10,946	
12/31/2011	209,826,492	19,043	11,019	11,630	11,221	$ 11,323
6/30/2012	200,790,611	18,428	10,896	11,845	11,503	11,595
12/31/2012	212,509,699	17,436	12,188	12,064	11,792	11,874
6/30/2013	217,747,750	16,882	12,898	12,287	12,089	12,159
12/31/2013	201,878,976	15,879	12,714	12,514	12,392	12,452
6/30/2014	202,074,117	15,516	13,024	12,745	12,704	12,751
12/31/2014	204,051,689	15,489	13,174	12,981	13,023	13,057
6/30/2015	200,559,568	15,319	13,092	13,221	13,350	13,371
12/31/2015	206,781,260	15,335	13,484	13,465	13,686	13,692
6/30/2016	216,947,604	15,314	14,167	13,714	14,030	14,021
12/31/2016	216,715,671	14,985	14,462	13,968	14,383	14,358
6/30/2017	220,315,259	15,405	14,302	14,226	14,744	14,703
Goodness of Fit Statistic, R-Squared:				0.821	0.926	0.877
Average Annual Severity Trend (10 yr)				+ 3.7%		
Average Annual Severity Trend (8 yr)				+ 5.1%		
Average Annual Severity Trend (6 yr)				+ 4.9%		
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
MANUFACTURERS AND CONTRACTORS
Calculation of Annual Trend Factor
Based on Average Occurrence Severity
Full Coverage Occurrence Data
Monoline and Multiline Combined
Fringe

(1)	(2)	(3)	(4)	(5)		
Accident	Basic Limit	Occurrences	(2)/(3)	Exponential		
Year	Paid	at	Actual	Curve of		
Ending	Losses *	Ultimate	Severity	Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2007	$ 22,382,284	554	$ 40,401	$ 43,787		
6/30/2008	22,629,024	483	46,851	43,259		
12/31/2008	23,168,158	475	48,775	42,737		
6/30/2009	22,840,192	497	45,956	42,222		
12/31/2009	25,721,161	563	45,686	41,712	$ 39,474	
6/30/2010	24,196,688	640	37,807	41,209	39,215	
12/31/2010	19,717,018	621	31,750	40,713	38,958	
6/30/2011	19,772,334	540	36,615	40,222	38,702	
12/31/2011	19,688,585	539	36,528	39,737	38,449	$ 40,177
6/30/2012	19,204,108	515	37,290	39,257	38,197	39,686
12/31/2012	20,348,176	501	40,615	38,784	37,946	39,201
6/30/2013	18,834,994	474	39,736	38,316	37,697	38,722
12/31/2013	20,128,726	504	39,938	37,854	37,450	38,249
6/30/2014	21,835,072	545	40,064	37,398	37,204	37,782
12/31/2014	21,255,902	546	38,930	36,947	36,961	37,320
6/30/2015	21,037,433	576	36,523	36,501	36,718	36,864
12/31/2015	24,865,219	617	40,300	36,061	36,477	36,414
6/30/2016	22,019,215	669	32,914	35,626	36,238	35,969
12/31/2016	29,752,380	693	42,933	35,197	36,001	35,529
6/30/2017	17,217,146	624	27,592	34,772	35,765	35,095

Goodness of Fit Statistic, R-Squared:	0.274	0.066	0.139

Average Annual Severity Trend (10 yr)	- 2.4%
Average Annual Severity Trend (8 yr)	- 1.3%
Average Annual Severity Trend (6 yr)	- 2.4%

Selected Annual Severity Trend	+ 0.5%

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

NOTE: Trends are based on reported paid full coverage data developed to ultimate using paid development factors
    (See 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)	(2)	(3)	(4)	(5)		
Accident	Basic Limit	Occurrences	(2)/(3)	Exponential		
Year	Paid	at	Actual	Curve of		
Ending	Losses *	Ultimate	Severity	Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2007	$ 611,247,156	21,143	$ 28,910	$ 29,676		
6/30/2008	618,362,306	20,823	29,696	30,290		
12/31/2008	606,258,768	20,150	30,087	30,916		
6/30/2009	642,710,279	20,071	32,022	31,555		
12/31/2009	668,017,292	20,604	32,422	32,207	$ 32,786	
6/30/2010	696,683,120	21,184	32,887	32,872	33,400	
12/31/2010	723,310,736	21,477	33,678	33,552	34,026	
6/30/2011	759,397,895	21,819	34,804	34,245	34,664	
12/31/2011	739,339,764	20,982	35,237	34,953	35,313	$ 35,805
6/30/2012	677,346,230	18,598	36,420	35,675	35,975	36,403
12/31/2012	640,492,479	17,764	36,056	36,413	36,649	37,010
6/30/2013	679,092,390	18,287	37,135	37,165	37,336	37,628
12/31/2013	692,334,550	18,429	37,568	37,933	38,036	38,256
6/30/2014	758,377,690	19,094	39,718	38,717	38,749	38,894
12/31/2014	734,169,668	18,024	40,733	39,517	39,475	39,544
6/30/2015	721,379,049	17,262	41,790	40,334	40,215	40,204
12/31/2015	737,739,436	16,861	43,754	41,168	40,969	40,875
6/30/2016	708,740,476	16,113	43,986	42,019	41,737	41,557
12/31/2016	609,142,546	16,057	37,936	42,887	42,519	42,250
6/30/2017	710,761,205	17,110	41,541	43,773	43,316	42,956

	10 Year	8 Year	6 Year
Goodness of Fit Statistic, R-Squared:	0.904	0.818	0.612

Average Annual Severity Trend (10 yr)	+ 4.2%
Average Annual Severity Trend (8 yr)	+ 3.8%
Average Annual Severity Trend (6 yr)	+ 3.4%
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)	(2)	(3)	(4)	(5)		
Accident	Basic Limit	Occurrences	(2)/(3)	Exponential		
Year	Paid	at	Actual	Curve of		
Ending	Losses *	Ultimate	Severity	Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2007	$ 73,682,032	8,838	$ 8,337	$ 8,199		
6/30/2008	80,903,668	9,003	8,986	8,360		
12/31/2008	83,250,338	9,114	9,134	8,525		
6/30/2009	75,835,512	9,164	8,275	8,693		
12/31/2009	82,424,823	9,255	8,906	8,865	$ 8,577	
6/30/2010	86,626,184	9,641	8,985	9,039	8,777	
12/31/2010	84,472,393	9,946	8,493	9,218	8,981	
6/30/2011	87,764,947	10,086	8,702	9,399	9,190	
12/31/2011	93,497,377	9,898	9,446	9,585	9,404	$ 9,523
6/30/2012	86,783,954	9,200	9,433	9,774	9,623	9,730
12/31/2012	87,931,748	8,761	10,037	9,966	9,847	9,941
6/30/2013	89,302,500	8,708	10,255	10,163	10,076	10,157
12/31/2013	85,319,259	8,353	10,214	10,363	10,311	10,377
6/30/2014	86,627,337	8,347	10,378	10,567	10,551	10,603
12/31/2014	86,760,434	8,203	10,577	10,776	10,797	10,833
6/30/2015	97,570,836	7,882	12,379	10,988	11,048	11,068
12/31/2015	94,814,734	7,941	11,940	11,205	11,305	11,309
6/30/2016	91,979,404	8,065	11,405	11,426	11,568	11,554
12/31/2016	95,545,710	8,015	11,921	11,651	11,837	11,805
6/30/2017	91,915,593	8,272	11,112	11,881	12,113	12,061

Goodness of Fit Statistic, R-Squared:	0.832	0.843	0.726

Average Annual Severity Trend (10 yr)	+ 4.0%
Average Annual Severity Trend (8 yr)	+ 4.7%
Average Annual Severity Trend (6 yr)	+ 4.4%
Selected Annual Severity Trend	+ 4.5%

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

NOTE: Trends are based on reported paid full coverage data developed to ultimate using paid development factors
     (See Section B- Explanation of Trend Calculation).

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)	(2)	(3)	(4)	(5)		
Accident	Basic Limit	Occurrences	(2)/(3)	Exponential		
Year	Paid	at	Actual	Curve of		
Ending	Losses *	Ultimate	Severity	Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2007	$ 26,901,280	653	$ 41,196	$ 62,713		
6/30/2008	25,726,123	575	44,741	63,068		
12/31/2008	25,854,143	517	50,008	63,425		
6/30/2009	34,441,375	543	63,428	63,784		
12/31/2009	42,309,011	567	74,619	64,145	$ 86,578	
6/30/2010	43,587,572	599	72,767	64,508	84,360	
12/31/2010	36,370,607	572	63,585	64,873	82,198	
6/30/2011	45,218,829	522	86,626	65,240	80,092	
12/31/2011	49,850,962	479	104,073	65,609	78,040	$ 95,002
6/30/2012	38,939,421	399	97,593	65,980	76,041	89,961
12/31/2012	34,118,895	381	89,551	66,354	74,093	85,188
6/30/2013	30,613,112	416	73,589	66,729	72,195	80,668
12/31/2013	36,364,468	454	80,098	67,107	70,345	76,388
6/30/2014	36,168,642	500	72,337	67,486	68,543	72,335
12/31/2014	30,519,286	547	55,794	67,868	66,787	68,497
6/30/2015	34,689,148	636	54,543	68,252	65,076	64,863
12/31/2015	45,136,087	755	59,783	68,639	63,408	61,421
6/30/2016	40,118,101	744	53,922	69,027	61,784	58,162
12/31/2016	46,618,893	776	60,076	69,418	60,201	55,076
6/30/2017	41,040,660	634	64,733	69,811	58,659	52,154

Goodness of Fit Statistic, R-Squared:	0.018	0.357	0.725

Average Annual Severity Trend (10 yr)	+ 1.1%
Average Annual Severity Trend (8 yr)	- 5.1%
Average Annual Severity Trend (6 yr)	- 10.3%
Selected Annual Severity Trend	+ 2.5%

* 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).

PREMISES/OPERATIONS
MANUFACTURERS AND CONTRACTORS

FREQUENCY TREND INCLUDING FRINGE OCCURRENCES[1]
MULTISTATE
Manual Classes (Full and Deductible Coverage)
Monoline and Multiline Combined
CGL Policies Only

Bodily Injury and Property Damage Combined

(1)	(2)	(3)	(4)
Accident Year Ending	Aggregate Loss Costs at Current Level	Occurrences at Ultimate[1]	Occurrence Frequency $(3)/(2)^2$
6/30/2004	$ 676,651,916	28,385	41.95
6/30/2005	745,342,046	28,327	38.01
6/30/2006	774,015,549	28,648	37.01
6/30/2007	805,834,165	29,766	36.94
6/30/2008	809,853,559	29,525	36.46
6/30/2009	831,737,558	30,397	36.55
6/30/2010	798,632,275	29,975	37.53
6/30/2011	812,067,664	30,606	37.69
6/30/2012	829,469,258	29,583	35.66
6/30/2013	817,325,575	28,635	35.03
6/30/2014	824,995,630	29,509	35.77
6/30/2015	848,716,923	28,079	33.08
6/30/2016	865,446,028	28,386	32.80
6/30/2017	873,566,770	27,983	32.03

Selected Annual Frequency Trend: - 0.5%

[1] Occurrences are based on reported paid amounts developed to ultimate using paid development factors.
[2] Frequency is per $1,000,000 Aggregate Loss Costs at Current Level.

PREMISES/OPERATIONS
OWNERS, LANDLORDS AND TENANTS

FREQUENCY TREND INCLUDING FRINGE OCCURRENCES[1]
MULTISTATE
Manual Classes (Full and Deductible Coverage)
Monoline and Multiline Combined
CGL Policies Only

Bodily Injury and Property Damage Combined

(1) Accident Year Ending	(2) Aggregate Loss Costs at Current Level	(3) Occurrences at Ultimate[1]	(4) Occurrence Frequency $(3)/(2)^2$
6/30/2004	$ 804,756,549	35,019	43.52
6/30/2005	835,317,533	33,137	39.67
6/30/2006	854,588,744	31,383	36.72
6/30/2007	888,748,075	31,854	35.84
6/30/2008	932,519,722	31,430	33.70
6/30/2009	1,052,996,026	32,842	31.19
6/30/2010	1,111,467,581	33,565	30.20
6/30/2011	1,152,321,298	33,902	29.42
6/30/2012	1,159,556,041	29,874	25.76
6/30/2013	1,154,400,287	29,497	25.55
6/30/2014	1,145,389,759	30,591	26.71
6/30/2015	1,185,904,870	28,709	24.21
6/30/2016	1,236,842,009	28,108	22.73
6/30/2017	1,270,521,266	30,071	23.67

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.

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

CLASS GROUP 05

Class	Differential	
10140	0.46	
10141	0.92	
10145	4.43	
12361	1.00	*
13049	0.52	
13112	0.85	
13670	0.56	
15223	0.66	

CLASS GROUP 06

Class	Differential	
10010	1.59	
10040	1.21	
10070	0.91	
10111	1.99	
11127	5.07	
11128	6.84	
11203	11.79	
12362	1.00	*
12373	0.38	
12391	0.75	
12707	6.56	
12797	1.38	
13715	1.00	
13930	2.13	
14527	4.07	
16005	0.53	
16501	1.12	
16527	1.72	
16705	3.19	
18078	1.81	
18205	2.79	

Class	Differential	
18707	0.15	
18833	1.79	

CLASS GROUP 07

Class	Differential	
10015	2.95	
10052	2.04	
10054	1.81	
10110	10.04	
10117	2.93	
10120	6.57	
10331	4.00	
10332	6.90	
10378	4.05	
10379	1.88	
10380	3.21	
10381	2.78	
11138	1.00	*
16670	1.66	
40045	91.94	
40046	18.17	
40047	6.48	
40059	2.32	
40061	1.23	
40063	41.16	
40064	12.10	
40111	3.26	
41001	0.11	
41664	13.92	
41665	1.63	
41667	38.05	
41668	35.67	
41669	0.25	
41670	0.42	
43518	5.97	

Class	Differential
43626	4.77
43628	61.99
43629	52.53
43760	1.75
44069	5.10
44070	1.51
44071	1.68
44072	1.16
44311	3.08
44315	2.07
46911	9.44
46912	17.29
47318	3.88
47420	0.85
48206	12.62
48441	0.053
48557	5.30
48558	4.61
48637	4.05
48638	2.01
48925	96.91
49870	40.51
63217	18.47
63218	6.22

CLASS GROUP 08

Class	Differential
40101	254.14
40102	224.55
44427	918.85
44428	924.07
44429	13.85
44430	9.63
44431	30.76
44432	9.75

Class	Differential	
44433	310.66	
44434	594.24	
44435	615.31	
44436	718.67	
44437	595.63	
44438	470.71	
44439	916.25	
44440	758.14	
46112	1.00	*

CLASS GROUP 09

Class	Differential	
45190	1.00	*
45191	0.71	
45192	0.83	
45193	0.49	
45210	0.62	
46202	1.27	
64074	7.06	
64075	4.97	

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

CLASS GROUP 10		
41421	0.015	
41422	0.008	
41603	0.71	
41604	0.39	
41650	1.00	*
41680	0.52	
41715	0.33	
41716	0.21	
46004	0.95	
46005	0.76	
47469	0.15	
47471	0.13	
47473	0.17	
47474	0.19	
47475	0.15	
47476	0.15	
47477	0.20	
47478	0.21	
67508	1.20	
67509	0.88	
67510	0.49	
67511	0.53	
67512	2.27	
67513	1.44	

CLASS GROUP 11		
60010	1.00	*
60011	1.15	
60012	1.89	
60013	1.62	
60015	1.21	
60016	1.36	

61000	0.99	
63010	1.80	
63011	2.25	
63012	3.20	
63013	3.03	
68500	0.22	

CLASS GROUP 12		
41678	3.04	
43152	0.91	
46362	10.61	
46426	1.55	
46427	2.07	
46603	0.13	
46604	0.15	
46606	0.40	
46607	0.55	
48600	3.10	
60035	1.86	
61212	1.00	*
61216	1.11	
61217	1.01	
61218	0.69	
61223	4.66	
61224	1.65	
61225	2.29	
61226	3.65	
61227	3.34	
62000	0.76	
62001	0.57	
62002	0.26	
62003	0.82	
63215	2.71	
63216	1.88	

65007	1.65	
66122	0.71	
66123	0.39	
66309	1.14	
66561	2.64	
67017	2.45	
67634	2.12	
67635	1.50	
68001	4.58	
68439	5.89	
68604	0.11	
68606	0.43	
68607	0.34	
68702	0.28	
68703	0.21	
68706	0.90	
68707	0.89	

CLASS GROUP 13		
40075	1.87	
43151	0.93	
43200	3.54	
43421	0.97	
43422	5.09	
43550	3.46	
43551	1.92	
44276	4.75	
44277	3.08	
45334	2.04	
45450	0.60	
45937	0.008	
46700	7.12	
47221	7.81	
48039	2.51	

49181	0.82	
49183	1.00	*
49184	2.11	
49185	1.92	
49292	0.060	
49333	0.44	
49801	6.88	
49802	0.61	
49803	1.08	

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				
									94099	1.56
									94225	5.49
91111	1.07		91302	2.47		90089	2.69		94276	2.86
91127	0.72		91315	0.75		91125	1.62		94404	2.71
91150	0.68		91324	1.67		91160	0.65		94569	1.83
91155	1.51		91340	1.09		91175	0.56		94590	7.89
91235	0.83		91342	1.00	*	91177	2.45		94617	2.49
91250	1.25		91405	1.27		91179	2.46		95124	0.92
91555	0.50		95625	1.18		91190	1.32		95233	1.97
92215	1.19		96611	0.25		91341	2.81		95305	2.14
92451	0.83		97047	0.76		91343	0.62		95310	5.11
92593	10.90		97050	0.59		91436	3.18		95410	2.76
94304	1.06		98305	0.61		91481	11.61		95487	1.48
94381	1.99		98306	1.57		91507	1.71		95620	1.20
95647	1.00	*	98344	0.17		91523	26.37		96408	2.39
96053	0.76		98405	0.28		91547	0.15		96409	2.21
97222	0.55		98810	0.86		91551	0.93		96410	1.94
97223	0.83		98813	0.83		91562	2.07		96702	2.75
98111	0.21		99004	0.69		91577	7.41		96816	2.58
98164	0.70		99600	0.30		91590	2.15		97111	3.30
98636	1.02		99614	0.67		91666	0.58		97650	2.28
98806	0.95		99777	1.49		91746	2.07		97653	1.95
98993	1.95		99826	0.17		91805	0.13		97654	3.40
99505	1.65		99952	1.26		92053	0.32		98003	0.61
99506	2.03		99953	1.36		92054	0.11		98090	0.082
99507	1.77		99954	0.99		92055	3.07		98091	0.089
99570	0.95		99955	1.24		92101	4.80		98092	0.27
99571	0.23		99975	1.10		92102	2.89		98257	0.92
99572	0.45					92338	1.11		98304	3.41
99573	0.43					92446	3.65		98307	1.08
99650	0.45					92447	3.19		98308	0.71
99709	1.11					92453	2.02		98413	8.98
99948	2.35					92478	1.00	*	98414	8.22
						94007	6.85		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
98424	4.36	99613	5.51		96872	1.03
98425	1.79	99620	0.30		97220	0.075
98426	1.58	99718	0.88		97308	0.14
98427	1.54	99746	1.49		97447	0.46
98449	2.21	99760	0.17		97651	1.36
98482	2.37	99793	1.89		97652	1.18
98483	3.50	99827	0.27		97655	1.05
98502	3.35	99851	1.10		98002	0.19
98555	1.56	99917	1.78		98152	0.64
98597	0.35	99938	2.00		98153	0.72
98598	0.12	99943	5.80		98154	0.85
98601	4.01	99946	4.32		98155	1.19
98624	0.63	99963	0.43		98157	0.76
98640	69.14				98159	0.51
98677	10.90				98160	1.08
98678	9.68				98161	1.21
98699	3.15				98163	1.27
98710	2.19				98303	2.39
98805	2.86				98309	1.20
98820	5.46				98429	0.25
98884	1.42				98658	1.23
98967	2.23				98659	0.22
99003	1.06				98705	1.74
99080	0.75				98751	0.93
99111	1.09				98914	0.15
99163	2.60				98949	0.21
99165	0.57				99220	0.33
99223	0.16				99222	0.62
99303	8.72				99471	0.15
99310	2.18				99969	0.60
99315	6.41				99988	0.53

CLASS GROUP 33

91130	0.28	
91135	0.078	
91200	0.16	
91265	3.42	
91266	1.81	
91560	1.00	*
91580	1.32	
91606	2.74	
91629	0.56	
91636	0.96	
91641	0.26	
91722	0.84	
92445	0.55	
92663	0.13	
95306	1.10	
95357	0.28	
95455	1.16	
95505	0.54	

CLASS GROUP 34

10036	2.70	
10073	4.20	
10075	31.17	
10107	12.84	
10255	1.00	*
10256	3.66	
10257	0.69	
11039	3.65	
11248	0.19	
12014	0.41	
12509	0.25	
12510	3.17	
12583	1.41	
12651	4.11	
12683	1.88	
13201	3.63	
13204	4.11	
13205	1.58	
13410	5.75	
13412	1.94	
13453	2.24	
13454	2.62	
13455	2.66	
13590	1.98	
13621	0.50	
14279	1.91	
14855	0.88	
15062	0.79	
15063	0.92	
15188	1.39	
15404	0.36	
15405	0.53	

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

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

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

CLASS GROUP 36 (cont'd)

Class	Diff.	Class	Diff.	Class	Diff.	Class	Diff.
52469	0.98	56041	1.78	58058	2.38	59725	1.87
52505	4.88	56042	2.24	58095	3.35	59726	1.36
52581	23.79	56202	1.78	58096	4.45	59738	4.34
52619	1.67	56390	3.11	58302	1.20	59790	3.35
52911	1.33	56391	2.67	58397	6.97	59867	3.77
52967	0.50	56427	4.30	58503	1.86	59886	0.51
53001	4.89	56699	1.98	58532	2.40	59905	2.36
53077	2.35	56758	1.68	58559	0.49	59914	13.86
53095	1.61	56759	1.72	58560	1.18	59923	0.34
53096	2.24	56760	2.47	58575	1.52	59931	6.23
53121	6.37	56805	3.25	58627	4.88	59932	6.71
53271	1.20	56806	2.30	58682	4.34	59941	2.09
53631	0.74	56807	2.28	58737	3.15	59955	0.80
53632	0.85	56808	2.98	58757	10.62	59963	5.95
53731	0.78	56900	2.86	58759	1.31	59964	13.94
53732	5.32	56910	1.43	58802	1.49	59973	3.84
53733	3.46	56980	2.48	58822	4.10	59984	1.05
53907	2.34	57001	0.85	58903	0.94	59985	4.11
54077	3.20	57002	0.55	58904	0.72	59986	3.14
55010	9.66	57202	2.20	59005	1.78	59989	0.55
55011	2.61	57257	2.73	59057	13.18		
55012	3.11	57401	1.55	59058	8.53		
55214	2.52	57410	0.75	59257	0.48		
55597	0.63	57572	0.44	59306	3.01		
55647	1.26	57600	1.31	59481	8.09		
55648	0.57	57625	11.52	59601	3.05		
55649	0.68	57651	1.40	59660	5.61		
55715	5.00	57798	0.71	59661	2.75		
55716	7.23	57800	2.65	59693	0.46		
55918	2.86	57913	3.43	59701	0.22		
55919	0.39	57998	1.52	59713	5.02		
56040	0.27	58010	3.53	59722	2.60		
		58056	4.21	59723	0.98		
		58057	2.65	59724	1.50		

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

CLASS GROUP 37

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

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

CLASS GROUP 38

10072	4.39
10367	3.88
10368	5.67
11007	1.65
11201	14.44
11202	4.27
11206	0.67
11207	8.46
11208	1.45
11209	6.81
11210	2.90
11211	15.07
11212	2.28
11213	1.86
11214	4.58
11222	0.077
14405	0.97
15070	0.13
15607	0.17
15699	0.42
16471	0.24
41620	1.21
41677	0.25
41696	0.79
41697	0.55
43470	4.60
43822	3.66
43840	0.045
43860	2.88
43889	1.03
44280	0.25
45678	0.27

46622	10.69	
47050	1.00	*
47367	0.25	
49005	0.17	
49840	1.03	
51516	0.075	
51517	0.085	
51985	0.070	
52660	0.089	
53734	0.45	
54012	0.045	
57997	0.10	
58408	0.059	
58409	0.075	
58456	0.040	
58457	0.058	
58458	0.075	
58459	0.09	

CLASS GROUP 39

11205	(a)
13206	(a)
13207	(a)
13411	(a)
15060	(a)
15061	(a)
18575	(a)
41675	(a)
41679	(a)
44010	(a)
51211	(a)
52876	(a)
53901	(a)
53902	(a)
53903	(a)
53904	(a)

53905	(a)
53951	(a)
53952	(a)
53953	(a)
54444	(a)
55014	(a)
55410	(a)
58561	(a)
59695	(a)
91210	(a)
91280	(a)
91325	(a)
91581	(a)
91582	(a)
91583	(a)
91584	(a)
91585	(a)
91586	(a)
91587	(a)
91588	(a)
91589	(a)
91591	(a)
91618	(a)
94444	(a)
94638	(a)
95358	(a)
95630	(a)
95648	(a)
96703	(a)
96930	(a)
97002	(a)
97003	(a)
97221	(a)
98150	(a)
98151	(a)
98156	(a)

98158	(a)
98162	(a)
98428	(a)
98430	(a)
98622	(a)
98623	(a)
98698	(a)
98871	(a)
99081	(a)
99082	(a)
99083	(a)
99084	(a)
99085	(a)
99160	(a)
99221	(a)
99445	(a)
99798	(a)
99803	(a)
99986	(a)
99987	(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

TABLE OF CONTENTS

```
                                            MULTISTATE
                                             PRODUCTS
                               CALCULATION OF AGGREGATE LOSS COSTS
                                         AT CURRENT LEVEL


                                    $100,000                                              TRENDED $100,000
                    ACCIDENT        BASIC LIMIT      EXPOSURE                                BASIC LIMIT
      TYPE OF         YEAR       AGGREGATE LOSS COSTS DEVELOPMENT    EXPOSURE      AVERAGE  AGGREGATE LOSS COSTS
      POLICY        ENDING        AT CURRENT LEVEL    FACTOR+    X   TREND#   X    IPMF*  =  AT CURRENT LEVEL
      --------     ----------    -------------------- ----------- -- -------- -- -------  --------------------

      MONOLINE     12/31/2014       $34,696,411         1.000        1.062                    $36,847,588
                   12/31/2015        39,434,431         0.999        1.056                     41,601,116
                   12/31/2016        42,873,167         1.016        1.058                     46,085,568


      MULTILINE    12/31/2014      $111,470,156         1.000        1.062        0.815        $96,480,764
                   12/31/2015       115,255,604         0.999        1.057        0.815         99,188,229
                   12/31/2016       117,031,637         1.016        1.060        0.815        102,721,289


      TOTAL        12/31/2014                                                                $133,328,352
                   12/31/2015                                                                 140,789,345
                   12/31/2016                                                                 148,806,857
```

+   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 TRENDED FROM AN AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND
    AN ASSUMED EFFECTIVE DATE OF 07/01/2018 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


                               $100,000
                                 BASIC                                                        BASIC LIMIT
                       ACCIDENT   LIMIT     BASIC LIMIT    UNALLOCATED                         DEVELOPED &
              LOSS       YEAR    LOSSES    DEVELOPMENT     LOSS ADJ.  SEVERITY   FREQUENCY     TRENDED LOSS
REPORT TYPE DESCRIPTION ENDING  AND ALAE* X   FACTOR   X  FACTOR  X  TREND   X   TREND    =     AND LAE
----------- ----------- ------- ----------  ---------    --------   ---------   ---------     ------------
    BI      B/L INDEMNITY 12/31/2014 $15,657,809  1.027     1.085      1.131      0.951       $18,766,112
                          12/31/2015  11,386,067  1.317     1.085      1.104      0.961        17,261,626
                          12/31/2016   7,088,442  1.858     1.085      1.077      0.970        14,928,414

    BI        ALAE       12/31/2014 $22,037,385            1.085      1.131      0.951       $25,717,747
                          12/31/2015  20,842,945            1.085      1.104      0.961        23,992,819
                          12/31/2016  18,553,212            1.085      1.077      0.970        21,029,855

    PD      B/L INDEMNITY 12/31/2014 $20,506,399  1.226     1.085      1.370      0.951       $35,539,449
                          12/31/2015  18,861,495  1.318     1.085      1.286      0.961        33,333,861
                          12/31/2016  17,037,281  1.482     1.085      1.208      0.970        32,100,877

    PD        ALAE       12/31/2014 $33,970,488            1.085      1.370      0.951       $48,021,156
                          12/31/2015  28,925,175            1.085      1.286      0.961        38,785,562
                          12/31/2016  36,890,878            1.085      1.208      0.970        46,901,572


          TOTAL
          FULL COVERAGE  12/31/2014                                                         $128,044,464
                          12/31/2015                                                         113,373,868
                          12/31/2016                                                         114,960,718
```

* 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


                                      $100,000
                                       BASIC                                                          BASIC LIMIT
                          ACCIDENT     LIMIT      BASIC LIMIT   UNALLOCATED                            DEVELOPED &
                LOSS        YEAR       LOSSES     DEVELOPMENT    LOSS ADJ.   SEVERITY    FREQUENCY     TRENDED LOSS
REPORT TYPE   DESCRIPTION  ENDING    AND ALAE*  X  FACTOR   X   FACTOR  X   TREND  X     TREND    =     AND LAE
-------------  -----------  ---------  -----------   ---------    --------    ---------   ---------        ------------
     BI       B/L INDEMNITY 12/31/2014 $1,894,399    1.071        1.085       1.131       0.951         $2,367,739
                            12/31/2015  1,769,836    1.261        1.085       1.104       0.961          2,569,037
                            12/31/2016  1,128,896    1.855        1.085       1.077       0.970          2,373,641

     BI          ALAE       12/31/2014 $4,042,551                 1.085       1.131       0.951         $4,717,679
                            12/31/2015  5,316,555                 1.085       1.104       0.961          6,120,015
                            12/31/2016  3,288,835                 1.085       1.077       0.970          3,727,857

     PD       B/L INDEMNITY 12/31/2014 $4,458,009    1.136        1.085       1.370       0.951         $7,158,963
                            12/31/2015  2,913,796    1.189        1.085       1.286       0.961          4,645,528
                            12/31/2016  2,871,212    1.263        1.085       1.208       0.970          4,610,383

     PD          ALAE       12/31/2014 $6,161,495                 1.085       1.370       0.951         $8,709,975
                            12/31/2015  4,778,589                 1.085       1.286       0.961          6,407,576
                            12/31/2016  5,757,888                 1.085       1.208       0.970          7,320,346


              TOTAL
              DED COVERAGE  12/31/2014                                                                $22,954,355
                            12/31/2015                                                                 19,742,156
                            12/31/2016                                                                 18,032,227


              TOTAL         12/31/2014                                                               $150,998,819
                            12/31/2015                                                                133,116,024
                            12/31/2016                                                                132,992,946
```

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

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	0.812
35	Not Applicable	--
36	Service Policy	0.891
37	Industrial/Processing Policy	0.812
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
12/31/2009	302,144,293	298,318,912	298,099,597	298,069,835	298,041,540	298,041,459	298,041,464	298,041,464
12/31/2010	301,700,678	307,323,218	307,164,637	307,165,680	307,162,675	307,147,793	307,146,429	
12/31/2011	314,742,602	322,389,616	322,187,529	322,169,341	322,187,119	322,190,988		
12/31/2012	333,146,633	340,243,697	340,078,028	340,089,200	340,111,214			
12/31/2013	353,555,852	356,926,445	356,523,222	356,512,294				
12/31/2014	371,586,701	379,197,118	379,048,620					
12/31/2015	379,791,923	381,897,580						
12/31/2016	371,306,469							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
12/31/2009	0.987	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2010	1.019	0.999	1.000	1.000	1.000	1.000	
12/31/2011	1.024	0.999	1.000	1.000	1.000		
12/31/2012	1.021	1.000	1.000	1.000			
12/31/2013	1.010	0.999	1.000				
12/31/2014	1.020	1.000					
12/31/2015	1.006						
12/31/2016							

Average Best 3 of 5

27:15	39:27
1.017	0.999

Accident Year Ending	Exposure Development From				
	27:15	39:27	ULT:39		Factor
12/31/2014			1.000		1.000
12/31/2015		0.999	1.000		0.999
12/31/2016	1.017	0.999	1.000		1.016

MULTISTATE PRODUCTS LOSS DEVELOPMENT DATA

TABLE OF CONTENTS

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
12/31/1997	10,683,172	15,373,635	18,708,359	20,483,563	20,399,282	20,506,084	20,551,412	20,792,226	21,939,826	21,728,814	21,944,855
12/31/1998	6,536,565	11,619,157	16,112,006	17,263,785	16,566,972	16,240,124	16,703,835	17,869,715	17,830,499	18,068,333	18,117,453
12/31/1999	8,023,675	13,515,621	17,514,442	20,208,197	20,324,209	20,305,368	20,181,222	19,775,924	20,298,906	20,533,236	20,373,584
12/31/2000	7,770,132	11,067,182	14,727,768	16,706,980	16,380,419	16,231,969	16,901,439	16,268,989	16,166,444	16,274,945	16,177,956
12/31/2001	8,431,596	12,759,813	16,488,397	17,236,357	18,051,483	17,668,130	17,964,183	18,330,784	18,000,514	17,847,202	18,167,384
12/31/2002	7,249,176	11,218,596	15,084,629	16,878,783	16,374,186	15,480,140	15,237,862	15,001,330	14,996,471	15,024,542	15,314,641
12/31/2003	7,525,041	12,460,199	15,318,957	15,982,639	15,271,559	14,594,803	14,302,535	14,766,813	15,085,645	15,274,756	15,245,236
12/31/2004	7,408,812	11,425,242	15,008,123	16,761,754	16,171,517	14,987,670	14,986,380	14,865,828	15,227,640	15,339,820	15,341,398
12/31/2005	9,153,300	10,943,559	14,255,893	14,014,929	14,321,349	14,388,998	14,216,860	14,443,703	14,213,223	14,138,197	14,091,474
12/31/2006	8,268,452	13,161,254	17,375,269	17,630,367	16,964,512	17,219,609	17,136,211	17,343,718	17,597,982	17,542,815	17,184,585
12/31/2007	10,005,711	15,550,581	19,082,331	19,983,307	19,869,684	20,022,632	19,506,827	19,508,378	19,290,304	19,184,602	
12/31/2008	9,941,273	14,699,982	17,664,017	18,384,399	20,090,720	18,710,814	18,493,939	18,312,768	18,344,275		
12/31/2009	11,633,475	14,679,608	17,440,121	17,454,242	17,265,361	17,298,123	17,152,362	17,234,185			
12/31/2010	11,724,566	16,063,050	17,662,078	18,165,680	18,266,215	16,881,134	16,632,381				
12/31/2011	9,661,001	13,099,428	16,282,520	16,477,279	15,821,069	15,609,735					
12/31/2012	9,618,139	14,298,628	18,361,789	18,618,637	18,827,184						
12/31/2013	7,274,236	11,030,675	15,105,561	16,054,057							
12/31/2014	8,059,071	11,190,698	14,790,714								
12/31/2015	7,800,188	10,456,467									
12/31/2016	6,818,393										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	21,980,652	21,650,878	21,524,069	21,635,784	21,683,498	21,638,481	21,760,133	21,731,288	21,757,890
12/31/1998	17,843,070	17,835,748	17,996,232	18,125,298	18,150,555	18,372,023	18,400,626	18,511,736	
12/31/1999	20,305,650	20,202,253	20,301,026	20,536,651	21,268,057	21,469,385	21,522,933		
12/31/2000	16,188,983	16,340,943	16,391,130	16,588,633	16,831,765	16,881,748			
12/31/2001	18,485,456	18,588,582	18,816,594	19,144,048	19,083,071				
12/31/2002	15,781,302	15,464,739	15,579,518	15,256,186					
12/31/2003	15,262,074	15,436,455	15,357,011						
12/31/2004	15,209,493	15,099,484							
12/31/2005	13,983,567								

```
                              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
12/31/1997	1.439	1.217	1.095	0.996	1.005	1.002	1.012	1.055	0.990	1.010	1.002
12/31/1998	1.778	1.387	1.071	0.960	0.980	1.029	1.070	0.998	1.013	1.003	0.985
12/31/1999	1.684	1.296	1.154	1.006	0.999	0.994	0.980	1.026	1.012	0.992	0.997
12/31/2000	1.424	1.331	1.134	0.980	0.991	1.041	0.963	0.994	1.007	0.994	1.001
12/31/2001	1.513	1.292	1.045	1.047	0.979	1.017	1.020	0.982	0.991	1.018	1.018
12/31/2002	1.548	1.345	1.119	0.970	0.945	0.984	0.984	1.000	1.002	1.019	1.030
12/31/2003	1.656	1.229	1.043	0.956	0.956	0.980	1.032	1.022	1.013	0.998	1.001
12/31/2004	1.542	1.314	1.117	0.965	0.927	1.000	0.992	1.024	1.007	1.000	0.991
12/31/2005	1.196	1.303	0.983	1.022	1.005	0.988	1.016	0.984	0.995	0.997	0.992
12/31/2006	1.592	1.320	1.015	0.962	1.015	0.995	1.012	1.015	0.997	0.980	
12/31/2007	1.554	1.227	1.047	0.994	1.008	0.974	1.000	0.989	0.995		
12/31/2008	1.479	1.202	1.041	1.093	0.931	0.988	0.990	1.002			
12/31/2009	1.262	1.188	1.001	0.989	1.002	0.992	1.005				
12/31/2010	1.370	1.100	1.029	1.006	0.924	0.985					
12/31/2011	1.356	1.243	1.012	0.960	0.987						
12/31/2012	1.487	1.284	1.014	1.011							
12/31/2013	1.516	1.369	1.063								
12/31/2014	1.389	1.322									
12/31/2015	1.341										
3 Yr Mean	1.415	1.325	1.030	0.992	0.971	0.988	0.998	1.002	0.996	0.992	0.995
Best 3/5	1.411	1.283	1.018	1.002	0.973	0.988	1.006	1.002	1.000	0.998	1.004

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1997	0.985	0.994	1.005	1.002	0.998	1.006	0.999	1.001
12/31/1998	1.000	1.009	1.007	1.001	1.012	1.002	1.006	1.001 *
12/31/1999	0.995	1.005	1.012	1.036	1.009	1.002	1.002 *	1.001 *
12/31/2000	1.009	1.003	1.012	1.015	1.003	1.004 *	1.002 *	1.001 *
12/31/2001	1.006	1.012	1.017	0.997	1.004 *	1.004 *	1.002 *	1.001 *
12/31/2002	0.980	1.007	0.979					
12/31/2003	1.011	0.995						
12/31/2004	0.993							
3 Yr Mean	0.995	1.005	1.003	1.016	1.008 @	1.003 @	1.003 @	1.001 @
Best 3/5	1.003	1.005	1.010	1.006	1.005 *	1.003 *	1.002 *	1.001 *

```
                                   Development From
```

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					0.973	0.988	1.006	1.002	1.000	0.998	1.004
12/31/2013				1.002	0.973	0.988	1.006	1.002	1.000	0.998	1.004
12/31/2014			1.018	1.002	0.973	0.988	1.006	1.002	1.000	0.998	1.004
12/31/2015		1.283	1.018	1.002	0.973	0.988	1.006	1.002	1.000	0.998	1.004
12/31/2016	1.411	1.283	1.018	1.002	0.973	0.988	1.006	1.002	1.000	0.998	1.004

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.003	1.005	1.010	1.006	1.005	1.003	1.002	1.001	1.001*	1.006
12/31/2013	1.003	1.005	1.010	1.006	1.005	1.003	1.002	1.001	1.001*	1.008
12/31/2014	1.003	1.005	1.010	1.006	1.005	1.003	1.002	1.001	1.001*	1.027
12/31/2015	1.003	1.005	1.010	1.006	1.005	1.003	1.002	1.001	1.001*	1.317
12/31/2016	1.003	1.005	1.010	1.006	1.005	1.003	1.002	1.001	1.001*	1.858

```
    *  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
12/31/1997	857,471	1,096,399	1,318,331	1,536,964	1,777,769	1,909,020	1,962,570	1,973,070	1,977,109	2,110,930	1,996,441
12/31/1998	533,067	990,732	1,375,623	1,430,484	1,488,729	1,417,757	1,358,506	1,357,798	1,416,476	1,337,074	1,337,075
12/31/1999	499,691	684,095	962,281	1,209,567	1,327,393	1,200,508	1,519,661	1,355,355	1,344,023	1,270,122	1,393,595
12/31/2000	882,834	1,092,378	1,453,090	1,749,080	1,689,261	1,676,463	1,833,017	1,897,054	1,974,421	1,860,885	1,989,880
12/31/2001	506,813	1,031,350	1,420,172	1,822,482	1,597,318	1,792,618	2,107,687	2,072,547	2,111,120	2,028,185	2,049,083
12/31/2002	563,001	1,110,666	1,584,240	1,512,328	1,822,546	1,820,279	1,893,928	1,718,005	1,666,078	1,669,973	1,667,628
12/31/2003	638,864	916,783	958,041	1,779,977	1,519,336	1,481,000	1,535,514	1,527,017	1,529,492	1,535,140	1,537,251
12/31/2004	1,261,188	1,563,906	2,417,227	2,777,323	2,776,409	2,650,423	2,512,394	2,582,831	2,581,636	2,583,100	2,597,391
12/31/2005	893,932	1,205,397	1,975,626	2,039,457	1,462,671	1,461,365	1,499,228	1,432,397	1,329,908	1,325,483	1,329,974
12/31/2006	1,362,302	2,062,061	2,406,395	2,223,933	1,963,162	1,895,588	1,928,997	1,976,444	1,876,527	1,881,029	1,908,587
12/31/2007	1,781,882	2,342,635	2,225,250	2,535,444	2,599,309	2,134,228	2,140,655	2,247,232	2,251,643	2,276,632	
12/31/2008	1,138,142	1,545,957	1,964,461	2,056,873	2,123,092	2,173,719	2,289,233	2,261,703	2,186,705		
12/31/2009	918,066	1,175,956	1,369,211	1,533,576	1,766,190	1,912,731	1,857,492	1,852,494			
12/31/2010	1,171,857	1,971,906	2,121,592	2,177,484	2,308,851	2,506,088	2,458,750				
12/31/2011	1,250,885	1,766,129	2,171,567	1,883,862	1,859,271	1,864,053					
12/31/2012	1,038,711	1,466,000	1,991,731	1,831,533	1,698,782						
12/31/2013	853,052	1,249,105	1,387,865	1,658,327							
12/31/2014	899,810	1,727,643	2,060,618								
12/31/2015	925,729	1,421,526									
12/31/2016	1,000,423										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	1,994,907	2,009,893	1,957,511	1,958,361	1,979,723	1,963,169	1,989,238	1,989,238	1,989,238
12/31/1998	1,348,006	1,337,277	1,394,005	1,395,231	1,395,198	1,395,198	1,395,198	1,398,198	
12/31/1999	1,427,496	1,677,295	1,616,737	1,533,829	1,542,618	1,529,540	1,529,540		
12/31/2000	2,042,003	2,022,232	2,138,662	2,174,421	2,164,969	2,253,350			
12/31/2001	2,071,357	2,033,107	2,042,961	2,040,199	2,036,200				
12/31/2002	1,667,628	1,668,258	1,693,607	1,696,308					
12/31/2003	1,537,267	1,537,369	1,540,071						
12/31/2004	2,593,315	2,596,017							
12/31/2005	1,332,682								

```
                              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
12/31/1997	1.279	1.202	1.166	1.157	1.074	1.028	1.005	1.002	1.068	0.946	0.999
12/31/1998	1.859	1.388	1.040	1.041	0.952	0.958	0.999	1.043	0.944	1.000	1.008
12/31/1999	1.369	1.407	1.257	1.097	0.904	1.266	0.892	0.992	0.945	1.097	1.024
12/31/2000	1.237	1.330	1.204	0.966	0.992	1.093	1.035	1.041	0.942	1.069	1.026
12/31/2001	2.035	1.377	1.283	0.876	1.122	1.176	0.983	1.019	0.961	1.010	1.011
12/31/2002	1.973	1.426	0.955	1.205	0.999	1.040	0.907	0.970	1.002	0.999	1.000
12/31/2003	1.435	1.045	1.858	0.854	0.975	1.037	0.994	1.002	1.004	1.001	1.000
12/31/2004	1.240	1.546	1.149	1.000	0.955	0.948	1.028	1.000	1.001	1.006	0.998
12/31/2005	1.348	1.639	1.032	0.717	0.999	1.026	0.955	0.928	0.997	1.003	1.002
12/31/2006	1.514	1.167	0.924	0.883	0.966	1.018	1.025	0.949	1.002	1.015	
12/31/2007	1.315	0.950	1.139	1.025	0.821	1.003	1.050	1.002	1.011		
12/31/2008	1.358	1.271	1.047	1.032	1.024	1.053	0.988	0.967			
12/31/2009	1.281	1.164	1.120	1.152	1.083	0.971	0.997				
12/31/2010	1.683	1.076	1.026	1.060	1.085	0.981					
12/31/2011	1.412	1.230	0.868	0.987	1.003						
12/31/2012	1.411	1.359	0.920	0.928							
12/31/2013	1.464	1.111	1.195								
12/31/2014	1.920	1.193									
12/31/2015	1.536										
3 Yr Mean	1.640	1.221	0.994	0.992	1.057	1.002	1.012	0.973	1.003	1.008	1.000
Best 3/5	1.471	1.178	1.022	1.026	1.037	1.001	1.003	0.972	1.002	1.003	1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1997	1.008	0.974	1.000	1.011	0.992	1.013	1.000	1.000
12/31/1998	0.992	1.042	1.001	1.000	1.000	1.000	1.002	1.000 *
12/31/1999	1.175	0.964	0.949	1.006	0.992	1.000	1.000 *	1.000 *
12/31/2000	0.990	1.058	1.017	0.996	1.041	0.998 *	1.000 *	1.000 *
12/31/2001	0.982	1.005	0.999	0.998	1.001 *	0.998 *	1.000 *	1.000 *
12/31/2002	1.000	1.015	1.002					
12/31/2003	1.000	1.002						
12/31/2004	1.001							
3 Yr Mean	1.000	1.007	1.006	1.000	1.011 @	1.004 @	1.001 @	1.000 @
Best 3/5	0.997	1.007	1.001	1.001	0.998 *	0.999 *	1.000 *	1.000 *

```
                                     Development From
```

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					1.037	1.001	1.003	0.972	1.002	1.003	1.001
12/31/2013				1.026	1.037	1.001	1.003	0.972	1.002	1.003	1.001
12/31/2014			1.022	1.026	1.037	1.001	1.003	0.972	1.002	1.003	1.001
12/31/2015		1.178	1.022	1.026	1.037	1.001	1.003	0.972	1.002	1.003	1.001
12/31/2016	1.471	1.178	1.022	1.026	1.037	1.001	1.003	0.972	1.002	1.003	1.001

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	0.997	1.007	1.001	1.001	0.998	0.999	1.000	1.000	1.000*	1.021
12/31/2013	0.997	1.007	1.001	1.001	0.998	0.999	1.000	1.000	1.000*	1.048
12/31/2014	0.997	1.007	1.001	1.001	0.998	0.999	1.000	1.000	1.000*	1.071
12/31/2015	0.997	1.007	1.001	1.001	0.998	0.999	1.000	1.000	1.000*	1.261
12/31/2016	0.997	1.007	1.001	1.001	0.998	0.999	1.000	1.000	1.000*	1.855

```
     *  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	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	1,876,478	4,343,171	9,268,614	11,165,937	14,864,885	15,746,745	16,127,387	17,205,025	19,521,255	19,457,540	19,905,345
12/31/1998	2,084,041	6,014,140	9,632,326	11,637,684	12,476,395	13,348,709	14,255,140	15,615,643	15,532,222	16,337,389	16,700,789
12/31/1999	1,526,345	5,363,577	7,733,780	11,166,487	13,735,522	14,998,845	15,498,204	15,443,372	16,404,591	17,799,473	18,529,030
12/31/2000	1,344,746	4,779,236	8,731,035	12,496,733	14,124,922	15,441,798	17,936,879	18,665,342	19,807,953	20,558,482	20,758,453
12/31/2001	1,907,646	5,541,807	8,923,385	11,118,064	14,459,769	16,261,431	18,056,277	19,727,159	20,089,513	20,053,946	20,391,467
12/31/2002	1,641,813	4,003,151	8,571,735	12,930,392	16,194,261	19,226,173	19,457,772	20,210,702	20,724,071	21,180,046	21,457,630
12/31/2003	1,561,976	4,688,163	9,171,494	14,856,285	18,998,151	20,481,156	21,102,281	22,082,519	21,793,046	22,753,828	23,907,008
12/31/2004	1,206,435	3,306,860	6,905,188	11,383,136	14,471,580	14,350,859	15,831,945	16,681,041	17,570,169	18,767,365	18,915,082
12/31/2005	1,503,874	3,442,604	6,094,391	8,777,237	11,138,337	13,401,463	13,454,240	13,783,857	13,999,019	14,428,142	14,725,805
12/31/2006	1,954,090	6,650,680	9,136,596	12,233,766	14,346,883	16,230,505	19,239,725	20,553,630	19,569,585	19,651,619	19,668,528
12/31/2007	2,421,879	7,077,148	11,089,416	15,490,227	18,871,008	20,693,351	21,868,975	22,093,322	22,320,646	26,647,704	
12/31/2008	1,754,944	4,455,516	8,927,214	15,275,532	19,676,464	21,772,672	21,730,784	22,143,377	22,486,614		
12/31/2009	3,362,225	5,983,666	10,750,555	14,011,628	16,479,185	17,563,332	17,600,890	17,889,971			
12/31/2010	2,167,509	6,094,369	10,305,204	15,895,998	18,038,714	18,837,029	19,023,593				
12/31/2011	2,623,523	6,055,955	11,100,006	14,707,483	16,865,210	18,231,298					
12/31/2012	2,751,515	8,077,458	17,469,372	22,822,289	26,683,110						
12/31/2013	1,624,868	5,564,487	10,033,505	13,406,819							
12/31/2014	1,725,567	4,698,688	9,102,468								
12/31/2015	2,251,344	5,168,349									
12/31/2016	1,628,256										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	20,715,082	20,743,670	20,756,694	20,820,238	20,988,573	21,290,388	21,436,584	21,702,599	21,780,146
12/31/1998	16,802,915	17,009,637	17,303,019	17,434,161	17,866,756	17,985,240	18,023,964	18,119,275	
12/31/1999	18,937,928	19,789,482	20,391,556	21,494,085	22,239,732	22,753,538	23,175,886		
12/31/2000	21,088,003	21,440,319	21,829,458	21,960,328	22,170,269	22,348,259			
12/31/2001	20,693,489	21,034,848	21,315,870	21,617,726	21,827,983				
12/31/2002	23,911,514	23,831,199	23,804,860	23,058,348					
12/31/2003	23,843,553	24,111,505	23,443,753						
12/31/2004	19,071,147	19,194,687							
12/31/2005	14,890,109								

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
12/31/1997	2,466,693	4,925,443	1,897,323	3,698,948	881,860	380,642	1,077,638	2,316,230	-63,715	447,805	809,737	28,588	13,024
12/31/1998	3,930,099	3,618,186	2,005,358	838,711	872,314	906,431	1,360,503	-83,421	805,167	363,400	102,126	206,722	293,382
12/31/1999	3,837,232	2,370,203	3,432,707	2,569,035	1,263,323	499,359	-54,832	961,219	1,394,882	729,557	408,898	851,554	602,074
12/31/2000	3,434,490	3,951,799	3,765,698	1,628,189	1,316,876	2,495,081	728,463	1,142,611	750,529	199,971	329,550	352,316	389,139
12/31/2001	3,634,161	3,381,578	2,194,679	3,341,705	1,801,662	1,794,846	1,670,882	362,354	-35,567	337,521	302,022	341,359	281,022
12/31/2002	2,361,338	4,568,584	4,358,657	3,263,869	3,031,912	231,599	752,930	513,369	455,975	277,584	2,453,884	-80,315	-26,339
12/31/2003	3,126,187	4,483,331	5,684,791	4,141,866	1,483,005	621,125	980,238	-289,473	960,782	1,153,180	-63,455	267,952	-667,752
12/31/2004	2,100,425	3,598,328	4,477,948	3,088,444	-120,721	1,481,086	849,096	889,128	1,197,196	147,717	156,065	123,540	
12/31/2005	1,938,730	2,651,787	2,682,846	2,361,100	2,263,126	52,777	329,617	215,162	429,123	297,663	164,304		
12/31/2006	4,696,590	2,485,916	3,097,170	2,113,117	1,883,622	3,009,220	1,313,905	-984,045	82,034	16,909			
12/31/2007	4,655,269	4,012,268	4,400,811	3,380,781	1,822,343	1,175,624	224,347	227,324	4,327,058				
12/31/2008	2,700,572	4,471,698	6,348,318	4,400,932	2,096,208	-41,888	412,593	343,237					
12/31/2009	2,621,441	4,766,889	3,261,073	2,467,557	1,084,147	37,558	289,081						
12/31/2010	3,926,860	4,210,835	5,590,794	2,142,716	798,315	186,564							
12/31/2011	3,432,432	5,044,051	3,607,477	2,157,727	1,366,088								
12/31/2012	5,325,943	9,391,914	5,352,917	3,860,821									
12/31/2013	3,939,619	4,469,018	3,373,314										
12/31/2014	2,973,121	4,403,780											
12/31/2015	2,917,005												

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
12/31/1997	0.0646	0.1291	0.0497	0.0969	0.0231	0.0100	0.0282	0.0607	-0.0017	0.0117	0.0212	0.0007	0.0003
12/31/1998	0.1192	0.1097	0.0608	0.0254	0.0265	0.0275	0.0413	-0.0025	0.0244	0.0110	0.0031	0.0063	0.0089
12/31/1999	0.0977	0.0603	0.0874	0.0654	0.0322	0.0127	-0.0014	0.0245	0.0355	0.0186	0.0104	0.0217	0.0153
12/31/2000	0.1088	0.1252	0.1193	0.0516	0.0417	0.0790	0.0231	0.0362	0.0238	0.0063	0.0104	0.0112	0.0123
12/31/2001	0.1070	0.0995	0.0646	0.0984	0.0530	0.0528	0.0492	0.0107	-0.0010	0.0099	0.0089	0.0100	0.0083
12/31/2002	0.0801	0.1551	0.1479	0.1108	0.1029	0.0079	0.0256	0.0174	0.0155	0.0094	0.0833	-0.0027	-0.0009
12/31/2003	0.0974	0.1397	0.1772	0.1291	0.0462	0.0194	0.0306	-0.0090	0.0299	0.0359	-0.0020	0.0084	-0.0208
12/31/2004	0.0747	0.1280	0.1593	0.1098	-0.0043	0.0527	0.0302	0.0316	0.0426	0.0053	0.0056	0.0044	
12/31/2005	0.0610	0.0834	0.0844	0.0743	0.0712	0.0017	0.0104	0.0068	0.0135	0.0094	0.0052		
12/31/2006	0.1319	0.0698	0.0870	0.0593	0.0529	0.0845	0.0369	-0.0276	0.0023	0.0005			
12/31/2007	0.1168	0.1006	0.1104	0.0848	0.0457	0.0295	0.0056	0.0057	0.1085				
12/31/2008	0.0744	0.1232	0.1749	0.1213	0.0578	-0.0012	0.0114	0.0095					
12/31/2009	0.0682	0.1240	0.0848	0.0642	0.0282	0.0010	0.0075						
12/31/2010	0.1098	0.1178	0.1564	0.0599	0.0223	0.0052							
12/31/2011	0.1136	0.1670	0.1194	0.0714	0.0452								
12/31/2012	0.1377	0.2428	0.1384	0.0998									
12/31/2013	0.1274	0.1446	0.1091										
12/31/2014	0.0909	0.1346											
12/31/2015	0.1052												
Best 3/5	0.1154	0.1487	0.1223	0.0785	0.0397	0.0119	0.0098	0.0073	0.0287	0.0080	0.0065	0.0076	0.0066

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


                                        Link Ratios
   A.Y.E.    183:171   195:183   207:195    219:207    231:219    243:231    Ult:243
12/31/1997    1.003     1.008     1.014      1.007      1.012      1.004      1.004 *
12/31/1998    1.008     1.025     1.007      1.002      1.005      1.005 *    1.004 *
12/31/1999    1.054     1.035     1.023      1.019      1.007 *    1.005 *    1.004 *
12/31/2000    1.006     1.010     1.008      1.010 *    1.007 *    1.005 *    1.004 *
12/31/2001    1.014     1.010     1.015 *    1.010 *    1.007 *    1.005 *    1.004 *
12/31/2002    0.969


 Best 3/5     1.009     1.015     1.012 *    1.009 *    1.007 *    1.005 *    1.004 *


  171 to Ultimate Factor:  1.063




                     Cumulative Incremental Factors
Months-to-Ultimate       15        27        39        51        63        75        87
                       0.591     0.476     0.327     0.205     0.126     0.086     0.074

Months-to-Ultimate       99       111       123       135       147       159       171
                       0.065     0.057     0.029     0.021     0.014     0.007     0.000




               Reported ALAE      $500,000        ALAE     Additional      ALAE at    171-Ultimate   Ultimate
   A.Y.E       as of 3/31/17   Ultimate Indemnity  Factor      ALAE       171 Months      Factor        ALAE
12/31/2014       9,276,801        35,029,936       0.327    11,454,792    20,731,593      1.063       22,037,385
12/31/2015       5,308,310        30,041,168       0.476    14,299,610    19,607,920      1.063       20,842,945
12/31/2016       1,674,629        26,699,207       0.591    15,779,240    17,453,869      1.063       18,553,212


*  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
12/31/1997	11,433,780	14,521,128	16,653,693	18,600,893	18,708,737	18,067,783	18,417,606	19,661,388	19,597,968	19,350,478	19,596,637
12/31/1998	9,526,550	13,668,593	14,898,423	15,178,946	16,236,009	17,131,129	18,656,709	17,426,150	17,625,215	18,510,390	18,784,024
12/31/1999	9,646,153	12,424,001	14,342,876	16,131,628	15,552,684	16,781,246	16,628,635	17,788,350	18,561,461	18,867,153	18,909,585
12/31/2000	10,022,573	13,601,797	15,480,939	16,417,496	18,138,490	19,058,032	20,069,708	20,861,260	21,198,955	21,502,900	21,516,086
12/31/2001	11,985,741	15,342,866	19,515,630	20,647,776	20,485,120	21,289,161	22,540,330	22,451,321	22,886,926	23,124,689	23,490,388
12/31/2002	9,712,129	15,108,615	18,237,432	17,585,240	17,738,527	18,928,070	19,339,562	19,625,217	19,886,143	20,142,261	20,686,810
12/31/2003	11,517,082	13,589,218	15,849,377	17,229,172	18,895,955	20,208,454	20,616,683	21,094,307	21,634,862	21,995,105	22,116,082
12/31/2004	10,425,745	12,622,341	14,141,938	14,670,319	16,053,631	16,106,318	16,546,158	16,949,321	17,102,835	17,484,512	17,709,444
12/31/2005	12,213,405	14,748,883	15,159,359	15,697,249	15,948,807	16,713,435	16,591,186	17,672,041	17,687,721	18,351,744	18,689,063
12/31/2006	13,853,249	15,615,864	16,821,762	17,194,192	18,373,528	18,744,432	19,488,918	21,421,244	22,090,881	21,924,526	22,084,554
12/31/2007	18,896,743	21,361,568	22,503,923	22,660,647	24,030,099	24,909,926	26,299,363	27,042,838	27,255,581	28,015,481	
12/31/2008	17,994,067	21,467,864	23,153,634	24,438,207	25,202,010	26,309,182	27,034,242	27,552,983	28,030,509		
12/31/2009	21,011,525	23,717,379	25,278,133	25,471,806	25,786,749	26,428,548	26,197,032	26,950,828			
12/31/2010	19,746,552	22,605,193	24,140,583	24,636,499	24,770,247	25,520,163	25,585,132				
12/31/2011	16,572,177	18,461,300	19,296,487	20,885,088	21,246,114	21,877,005					
12/31/2012	17,691,636	18,989,614	20,731,657	23,228,418	23,711,312						
12/31/2013	16,400,132	19,260,151	20,611,873	20,879,560							
12/31/2014	15,674,069	17,890,118	19,458,441								
12/31/2015	15,925,566	17,780,406									
12/31/2016	15,919,724										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	19,407,640	19,630,877	19,470,574	19,543,864	19,399,841	19,454,687	19,512,126	19,511,126	19,488,849
12/31/1998	19,047,848	19,297,412	19,294,430	19,259,165	19,182,362	19,204,241	19,204,140	19,179,141	
12/31/1999	18,762,473	18,652,883	18,746,287	18,716,815	18,745,030	18,871,522	18,875,400		
12/31/2000	21,286,092	21,431,753	21,280,634	21,266,991	21,268,382	21,267,010			
12/31/2001	23,491,934	23,316,441	23,225,470	23,279,844	23,233,695				
12/31/2002	20,777,571	20,892,108	20,938,830	21,043,009					
12/31/2003	22,634,676	22,433,754	22,393,841						
12/31/2004	17,912,709	17,849,772							
12/31/2005	18,552,585								

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
12/31/1997	1.270	1.147	1.117	1.006	0.966	1.019	1.068	0.997	0.987	1.013	0.990
12/31/1998	1.435	1.090	1.019	1.070	1.055	1.089	0.934	1.011	1.050	1.015	1.014
12/31/1999	1.288	1.154	1.125	0.964	1.079	0.991	1.070	1.043	1.016	1.002	0.992
12/31/2000	1.357	1.138	1.060	1.105	1.051	1.053	1.039	1.016	1.014	1.001	0.989
12/31/2001	1.280	1.272	1.058	0.992	1.039	1.059	0.996	1.019	1.010	1.016	1.000
12/31/2002	1.556	1.207	0.964	1.009	1.067	1.022	1.015	1.013	1.013	1.027	1.004
12/31/2003	1.180	1.166	1.087	1.097	1.069	1.020	1.023	1.026	1.017	1.006	1.023
12/31/2004	1.211	1.120	1.037	1.094	1.003	1.027	1.024	1.009	1.022	1.013	1.011
12/31/2005	1.208	1.028	1.035	1.016	1.048	0.993	1.065	1.001	1.038	1.018	0.993
12/31/2006	1.127	1.077	1.022	1.069	1.020	1.040	1.099	1.031	0.992	1.007	
12/31/2007	1.130	1.053	1.007	1.060	1.037	1.056	1.028	1.008	1.028		
12/31/2008	1.193	1.079	1.055	1.031	1.044	1.028	1.019	1.017			
12/31/2009	1.129	1.066	1.008	1.012	1.025	0.991	1.029				
12/31/2010	1.145	1.068	1.021	1.005	1.030	1.003					
12/31/2011	1.114	1.045	1.082	1.017	1.030						
12/31/2012	1.073	1.092	1.120	1.021							
12/31/2013	1.174	1.070	1.013								
12/31/2014	1.141	1.088									
12/31/2015	1.116										
3 Yr Mean	1.144	1.083	1.072	1.014	1.028	1.007	1.025	1.019	1.019	1.013	1.009
Best 3/5	1.124	1.075	1.039	1.017	1.032	1.024	1.041	1.011	1.022	1.013	1.005

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1997	1.012	0.992	1.004	0.993	1.003	1.003	1.000	0.999
12/31/1998	1.013	1.000	0.998	0.996	1.001	1.000	0.999	1.001 *
12/31/1999	0.994	1.005	0.998	1.002	1.007	1.000	1.001 *	1.001 *
12/31/2000	1.007	0.993	0.999	1.000	1.000	1.001 *	1.001 *	1.001 *
12/31/2001	0.993	0.996	1.002	0.998	0.998 *	1.001 *	1.001 *	1.001 *
12/31/2002	1.006	1.002	1.005					
12/31/2003	0.991	0.998						
12/31/2004	0.996							
3 Yr Mean	0.998	0.999	1.002	1.000	1.003 @	1.001 @	1.000 @	0.999 @
Best 3/5	0.998	0.999	1.000	0.998	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
12/31/2012					1.032	1.024	1.041	1.011	1.022	1.013	1.005
12/31/2013				1.017	1.032	1.024	1.041	1.011	1.022	1.013	1.005
12/31/2014			1.039	1.017	1.032	1.024	1.041	1.011	1.022	1.013	1.005
12/31/2015		1.075	1.039	1.017	1.032	1.024	1.041	1.011	1.022	1.013	1.005
12/31/2016	1.124	1.075	1.039	1.017	1.032	1.024	1.041	1.011	1.022	1.013	1.005

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	0.998	0.999	1.000	0.998	1.001	1.001	1.001	1.001	1.004*	1.161
12/31/2013	0.998	0.999	1.000	0.998	1.001	1.001	1.001	1.001	1.004*	1.180
12/31/2014	0.998	0.999	1.000	0.998	1.001	1.001	1.001	1.001	1.004*	1.226
12/31/2015	0.998	0.999	1.000	0.998	1.001	1.001	1.001	1.001	1.004*	1.318
12/31/2016	0.998	0.999	1.000	0.998	1.001	1.001	1.001	1.001	1.004*	1.482

* 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
12/31/1997	1,512,421	1,827,036	2,287,045	2,497,144	2,716,648	3,647,346	4,102,750	3,315,724	3,534,797	4,237,001	3,903,827
12/31/1998	1,035,376	1,693,891	1,888,505	1,907,518	2,135,914	3,078,424	2,757,453	2,751,402	3,080,149	3,265,137	3,320,703
12/31/1999	885,190	986,331	1,250,251	1,813,898	1,835,525	2,000,540	2,134,227	2,289,947	2,613,234	2,823,584	2,909,475
12/31/2000	921,353	1,445,411	1,891,385	1,803,458	1,911,789	2,086,404	2,474,227	2,668,130	2,812,076	3,027,082	3,097,049
12/31/2001	1,722,974	1,924,777	2,520,602	2,806,538	2,729,897	3,040,445	3,488,229	4,060,847	4,303,076	4,421,154	4,569,788
12/31/2002	821,127	1,532,634	1,888,541	2,303,004	2,893,778	3,018,020	3,170,334	3,284,663	3,885,946	3,872,977	3,872,178
12/31/2003	1,633,801	1,760,813	1,621,790	1,612,864	1,665,621	1,808,718	2,159,886	2,201,461	2,225,359	2,380,285	2,705,163
12/31/2004	708,966	1,301,618	1,799,252	1,551,855	1,433,456	1,510,529	1,524,216	1,492,583	1,605,728	1,707,199	1,704,027
12/31/2005	1,839,840	3,006,021	2,828,232	3,172,061	3,229,774	3,103,531	3,369,469	3,491,011	3,487,635	3,435,645	3,370,962
12/31/2006	2,739,548	4,038,503	4,482,928	4,160,418	4,098,990	4,233,977	4,690,793	4,763,238	4,869,295	4,998,224	5,031,644
12/31/2007	3,386,279	3,097,519	3,031,213	3,133,141	3,449,007	3,385,354	3,478,243	3,652,112	3,747,406	3,760,636	
12/31/2008	2,318,311	2,552,925	3,040,547	3,183,744	2,960,420	3,018,726	3,185,618	3,273,757	3,283,953		
12/31/2009	3,499,393	3,487,472	3,057,187	3,116,760	3,240,776	3,461,193	3,368,806	3,522,414			
12/31/2010	2,187,415	3,079,994	3,387,852	3,125,893	3,138,662	3,248,520	3,277,443				
12/31/2011	3,316,835	3,338,937	3,196,445	3,185,390	3,411,261	3,280,517					
12/31/2012	2,966,126	2,912,153	3,342,127	3,196,842	3,361,984						
12/31/2013	3,832,534	4,084,458	4,113,576	4,194,471							
12/31/2014	3,436,297	4,562,759	4,718,796								
12/31/2015	2,795,940	3,110,531									
12/31/2016	2,968,165										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	4,135,826	3,943,969	3,801,104	3,777,772	3,777,772	3,777,772	3,777,772	3,777,772	3,777,772
12/31/1998	3,266,846	3,250,253	3,261,792	3,259,292	3,281,628	3,281,835	3,281,835	3,281,835	
12/31/1999	2,862,130	2,846,019	2,847,135	2,852,047	2,852,047	2,852,042	2,852,042		
12/31/2000	3,010,204	2,960,411	2,968,084	2,965,948	2,960,627	2,960,627			
12/31/2001	4,412,114	4,370,283	4,320,612	4,301,283	4,228,755				
12/31/2002	3,617,377	3,567,155	3,516,054	3,506,054					
12/31/2003	2,772,861	2,774,704	2,807,162						
12/31/2004	1,673,562	1,702,449							
12/31/2005	3,461,895								

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
12/31/1997	1.208	1.252	1.092	1.088	1.343	1.125	0.808	1.066	1.199	0.921	1.059
12/31/1998	1.636	1.115	1.010	1.120	1.441	0.896	0.998	1.119	1.060	1.017	0.984
12/31/1999	1.114	1.268	1.451	1.012	1.090	1.067	1.073	1.141	1.080	1.030	0.984
12/31/2000	1.569	1.309	0.954	1.060	1.091	1.186	1.078	1.054	1.076	1.023	0.972
12/31/2001	1.117	1.310	1.113	0.973	1.114	1.147	1.164	1.060	1.027	1.034	0.965
12/31/2002	1.867	1.232	1.219	1.257	1.043	1.050	1.036	1.183	0.997	1.000	0.934
12/31/2003	1.078	0.921	0.994	1.033	1.086	1.194	1.019	1.011	1.070	1.136	1.025
12/31/2004	1.836	1.382	0.863	0.924	1.054	1.009	0.979	1.076	1.063	0.998	0.982
12/31/2005	1.634	0.941	1.122	1.018	0.961	1.086	1.036	0.999	0.985	0.981	1.027
12/31/2006	1.474	1.110	0.928	0.985	1.033	1.108	1.015	1.022	1.026	1.007	
12/31/2007	0.915	0.979	1.034	1.101	0.982	1.027	1.050	1.026	1.004		
12/31/2008	1.101	1.191	1.047	0.930	1.020	1.055	1.028	1.003			
12/31/2009	0.997	0.877	1.019	1.040	1.068	0.973	1.046				
12/31/2010	1.408	1.100	0.923	1.004	1.035	1.009					
12/31/2011	1.007	0.957	0.997	1.071	0.962						
12/31/2012	0.982	1.148	0.957	1.052							
12/31/2013	1.066	1.007	1.020								
12/31/2014	1.328	1.034									
12/31/2015	1.113										
3 Yr Mean	1.169	1.063	0.991	1.042	1.022	1.012	1.041	1.017	1.005	0.995	1.011
Best 3/5	1.062	1.047	0.991	1.032	1.012	1.030	1.037	1.017	1.031	1.002	0.991

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1997	0.954	0.964	0.994	1.000	1.000	1.000	1.000	1.000
12/31/1998	0.995	1.004	0.999	1.007	1.000	1.000	1.000	1.000 *
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	1.000 *	1.000 *	1.000 *
12/31/2001	0.991	0.989	0.996	0.983	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2002	0.986	0.986	0.997					
12/31/2003	1.001	1.012						
12/31/2004	1.017							
3 Yr Mean	1.001	0.996	0.997	0.994	1.000 @	1.000 @	1.000 @	1.000 @
Best 3/5	0.993	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
12/31/2012					1.012	1.030	1.037	1.017	1.031	1.002	0.991
12/31/2013				1.032	1.012	1.030	1.037	1.017	1.031	1.002	0.991
12/31/2014			0.991	1.032	1.012	1.030	1.037	1.017	1.031	1.002	0.991
12/31/2015		1.047	0.991	1.032	1.012	1.030	1.037	1.017	1.031	1.002	0.991
12/31/2016	1.062	1.047	0.991	1.032	1.012	1.030	1.037	1.017	1.031	1.002	0.991

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.111
12/31/2013	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.146
12/31/2014	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.136
12/31/2015	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.189
12/31/2016	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.263

* 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       15 Months   27 Months   39 Months   51 Months   63 Months   75 Months   87 Months   99 Months   111 Months  123 Months  135 Months
12/31/1997  1,613,641   3,623,678   9,799,183   10,099,462  11,705,749  13,251,332  14,055,727  16,426,400  18,896,229  18,105,549  18,387,356
12/31/1998  1,489,425   3,740,405   5,702,537   7,486,873   10,068,983  11,677,303  13,332,688  13,515,756  14,825,376  16,342,047  17,193,857
12/31/1999  2,266,684   3,033,744   5,293,680   7,883,361   9,155,204   11,471,365  12,766,097  14,123,490  15,328,462  17,108,282  17,562,829
12/31/2000  2,527,480   3,833,913   6,183,006   10,113,072  12,782,892  15,979,264  18,561,590  19,508,924  20,402,144  21,259,980  21,774,786
12/31/2001  2,101,775   3,625,450   6,248,352   9,793,897   13,318,156  15,286,345  18,173,236  19,736,623  21,111,113  20,333,030  20,576,318
12/31/2002  1,231,113   3,419,506   6,861,067   8,923,829   11,289,516  12,640,351  13,548,029  15,598,068  15,164,239  15,280,313  15,839,747
12/31/2003  1,609,746   3,959,704   6,634,005   10,751,541  12,853,263  14,878,251  16,785,927  17,905,815  19,162,959  20,201,861  21,107,070
12/31/2004  1,784,147   2,947,083   5,715,389   8,490,604   10,917,546  12,696,554  14,105,664  15,181,677  16,575,922  17,691,926  18,379,172
12/31/2005  2,257,698   4,715,467   8,228,679   8,434,231   9,769,957   11,218,069  13,588,664  15,296,526  16,534,835  17,743,272  18,922,188
12/31/2006  1,629,992   3,794,632   7,304,048   10,366,261  12,567,404  14,836,284  16,307,664  18,600,801  21,779,226  22,444,005  23,248,412
12/31/2007  2,349,102   4,411,076   6,919,152   11,164,939  14,100,470  16,398,924  17,823,684  20,144,744  21,316,522  23,173,367
12/31/2008  2,190,443   5,546,597   9,867,652   13,837,379  17,139,409  19,746,268  21,265,157  22,253,168  23,025,197
12/31/2009  4,692,947   10,081,688  16,583,463  20,137,125  23,460,810  27,302,303  28,400,446  29,910,251
12/31/2010  2,873,220   6,364,888   11,574,759  17,633,788  22,186,928  24,279,590  25,787,706
12/31/2011  2,789,081   5,190,022   9,101,310   12,812,219  15,840,230  18,704,536
12/31/2012  3,358,753   8,447,163   14,000,148  21,208,095  23,500,469
12/31/2013  3,240,172   6,974,978   10,652,579  14,730,649
12/31/2014  3,568,931   6,408,946   9,709,089
12/31/2015  2,743,424   6,302,215
12/31/2016  4,415,730


A.Y.E       147 Months  159 Months  171 Months  183 Months  195 Months  207 Months  219 Months  231 Months  243 Months
12/31/1997  18,767,245  18,632,396  18,617,685  18,622,764  18,629,571  18,658,888  18,669,968  18,663,862  18,677,499
12/31/1998  17,751,962  18,201,169  18,360,039  18,269,732  18,315,254  18,318,709  18,319,001  18,319,280
12/31/1999  18,160,256  17,733,014  17,868,249  17,804,372  17,918,780  17,845,042  17,859,041
12/31/2000  22,290,024  22,642,073  22,802,728  22,742,347  22,999,365  22,996,450
12/31/2001  21,065,185  21,526,957  22,071,002  22,132,492  22,128,017
12/31/2002  16,217,808  16,524,055  16,751,659  16,866,036
12/31/2003  22,739,498  23,038,613  23,718,384
12/31/2004  19,315,645  19,624,686
12/31/2005  19,758,316
```

```
                          PRODUCTS (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
12/31/1997	2,010,037	6,175,505	300,279	1,606,287	1,545,583	804,395	2,370,673	2,469,829	-790,680	281,807	379,889	-134,849	-14,711
12/31/1998	2,250,980	1,962,132	1,784,336	2,582,110	1,608,320	1,655,385	183,068	1,309,620	1,516,671	851,810	558,105	449,207	158,870
12/31/1999	767,060	2,259,936	2,589,681	1,271,843	2,316,161	1,294,732	1,357,393	1,204,972	1,779,820	454,547	597,427	-427,242	135,235
12/31/2000	1,306,433	2,349,093	3,930,066	2,669,820	3,196,372	2,582,326	947,334	893,220	857,836	514,806	515,238	352,049	160,655
12/31/2001	1,523,675	2,622,902	3,545,545	3,524,259	1,968,189	2,886,891	1,563,387	1,374,490	-778,083	243,288	488,867	461,772	544,045
12/31/2002	2,188,393	3,441,561	2,062,762	2,365,687	1,350,835	907,678	2,050,039	-433,829	116,074	559,434	378,061	306,247	227,604
12/31/2003	2,349,958	2,674,301	4,117,536	2,101,722	2,024,988	1,907,676	1,119,888	1,257,144	1,038,902	905,209	1,632,428	299,115	679,771
12/31/2004	1,162,936	2,768,306	2,775,215	2,426,942	1,779,008	1,409,110	1,076,013	1,394,245	1,116,004	687,246	936,473	309,041	
12/31/2005	2,457,769	3,513,212	205,552	1,335,726	1,448,112	2,370,595	1,707,862	1,238,309	1,208,437	1,178,916	836,128		
12/31/2006	2,164,640	3,509,416	3,062,213	2,201,143	2,268,880	1,471,380	2,293,137	3,178,425	664,779	804,407			
12/31/2007	2,061,974	2,508,076	4,245,787	2,935,531	2,298,454	1,424,760	2,321,060	1,171,778	1,856,845				
12/31/2008	3,356,154	4,321,055	3,969,727	3,302,030	2,606,859	1,518,889	988,011	772,029					
12/31/2009	5,388,741	6,501,775	3,553,662	3,323,685	3,841,493	1,098,143	1,509,805						
12/31/2010	3,491,668	5,209,871	6,059,029	4,553,140	2,092,662	1,508,116							
12/31/2011	2,400,941	3,911,288	3,710,909	3,028,011	2,864,306								
12/31/2012	5,088,410	5,552,985	7,207,947	2,292,374									
12/31/2013	3,734,806	3,677,601	4,078,070										
12/31/2014	2,840,015	3,300,143											
12/31/2015	3,558,791												

```
                             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
12/31/1997	0.0740	0.2275	0.0111	0.0592	0.0569	0.0296	0.0873	0.0910	-0.0291	0.0104	0.0140	-0.0050	-0.0005
12/31/1998	0.0896	0.0781	0.0710	0.1027	0.0640	0.0659	0.0073	0.0521	0.0603	0.0339	0.0222	0.0179	0.0063
12/31/1999	0.0281	0.0827	0.0948	0.0465	0.0848	0.0474	0.0497	0.0441	0.0651	0.0166	0.0219	-0.0156	0.0049
12/31/2000	0.0404	0.0726	0.1214	0.0825	0.0987	0.0798	0.0293	0.0276	0.0265	0.0159	0.0159	0.0109	0.0050
12/31/2001	0.0449	0.0772	0.1044	0.1038	0.0580	0.0850	0.0460	0.0405	-0.0229	0.0072	0.0144	0.0136	0.0160
12/31/2002	0.0729	0.1147	0.0687	0.0788	0.0450	0.0302	0.0683	-0.0145	0.0039	0.0186	0.0126	0.0102	0.0076
12/31/2003	0.0698	0.0795	0.1223	0.0624	0.0602	0.0567	0.0333	0.0374	0.0309	0.0269	0.0485	0.0089	0.0202
12/31/2004	0.0474	0.1128	0.1131	0.0989	0.0725	0.0574	0.0438	0.0568	0.0455	0.0280	0.0382	0.0126	
12/31/2005	0.0901	0.1288	0.0075	0.0490	0.0531	0.0869	0.0626	0.0454	0.0443	0.0432	0.0307		
12/31/2006	0.0648	0.1050	0.0916	0.0659	0.0679	0.0440	0.0686	0.0951	0.0199	0.0241			
12/31/2007	0.0503	0.0611	0.1035	0.0716	0.0560	0.0347	0.0566	0.0286	0.0453				
12/31/2008	0.0751	0.0967	0.0889	0.0739	0.0584	0.0340	0.0221	0.0173					
12/31/2009	0.1130	0.1364	0.0745	0.0697	0.0806	0.0230	0.0317						
12/31/2010	0.0824	0.1229	0.1430	0.1074	0.0494	0.0356							
12/31/2011	0.0617	0.1005	0.0954	0.0778	0.0736								
12/31/2012	0.1051	0.1147	0.1489	0.0474									
12/31/2013	0.0911	0.0897	0.0994										
12/31/2014	0.0647	0.0752											
12/31/2015	0.0975												
Best 3/5	0.0844	0.1016	0.1126	0.0738	0.0627	0.0348	0.0503	0.0436	0.0402	0.0263	0.0277	0.0112	0.0095

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


                                         Link Ratios
     A.Y.E.    183:171  195:183  207:195   219:207   231:219   243:231    Ult:243
  12/31/1997    1.000    1.000    1.002     1.001     1.000     1.001      1.000 *
  12/31/1998    0.995    1.002    1.000     1.000     1.000     1.000 *    1.000 *
  12/31/1999    0.996    1.006    0.996     1.001     1.000 *   1.000 *    1.000 *
  12/31/2000    0.997    1.011    1.000     1.000 *   1.000 *   1.000 *    1.000 *
  12/31/2001    1.003    1.000    1.003 *   1.000 *   1.000 *   1.000 *    1.000 *
  12/31/2002    1.007

    Best 3/5    0.999    1.003    1.001 *   1.000 *   1.000 *   1.000 *    1.000 *


  171 to Ultimate Factor:  1.003



                    Cumulative Incremental Factors
  Months-to-Ultimate     15       27       39       51       63       75       87
                        0.679    0.594    0.493    0.380    0.306    0.244    0.209

  Months-to-Ultimate     99      111      123      135      147      159      171
                        0.159    0.115    0.075    0.048    0.021    0.010    0.000



                 Reported ALAE      $500,000      ALAE     Additional    ALAE at    171-Ultimate   Ultimate
     A.Y.E       as of 3/31/17  Ultimate Indemnity  Factor     ALAE     171 Months     Factor        ALAE
  12/31/2014      10,352,590       47,701,057      0.493    23,516,643  33,869,233     1.003      33,970,488
  12/31/2015       6,329,155       37,895,324      0.594    22,509,824  28,838,979     1.003      28,925,175
  12/31/2016       4,331,570       47,789,792      0.679    32,449,271  36,780,841     1.003      36,890,878


  *  Calculated Using Modified Bondy Method
```

Multistate Review of ULAE Experience
General Liability Including CMP Liability
Loss Adjustment Expense Special Call
Calendar Years 2012 - 2016

Item *	2012	2013	2014	2015	2016	2012 - 2016 Mean
1. Direct Losses Incurred	$18,480,140	$18,521,277	$19,140,390	$24,110,646	$25,085,478	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	$5,270,137	$5,080,420	$4,727,492	$5,601,664	$4,581,304	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	$1,892,698	$2,061,866	$2,159,178	$2,371,173	$2,496,550	
4. Incurred Losses + ALAE [(1) + (2)]	$23,750,277	$23,601,697	$23,867,882	$29,712,310	$29,666,781	

<div align="center">Incurred Percentage</div>

Item *	2012	2013	2014	2015	2016	2012 - 2016 Mean
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	8.0%	8.7%	9.0%	8.0%	8.4%	8.4%

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)   UNDERLINE EXPOSURE TREND   PRODUCTS

Average Annual Percent Change

a) 7/1/2014 to 7/1/2019 AYE 12/31/2014   + 1.3%
b) 7/1/2015 to 7/1/2019 AYE 12/31/2015   + 1.5%
c) 7/1/2016 to 7/1/2019 AYE 12/31/2016   + 2.1%

(2)   OCCURRENCE SEVERITY   BODILY INJURY   PROPERTY DAMAGE

a) Fitted
      All Years   + 2.4%   + 6.1%
      Eight Years   + 5.1%   + 6.8%
      Six Years   + 3.9%   + 8.9%

b) Selected   + 2.5%   + 6.5%

(3)   FREQUENCY TREND

Selected   - 1.0%

(4)   TOTAL ANNUAL NET TREND

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

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 12/31/2014, 12/31/2015 & 12/31/2016

(1) YEAR ENDING QUARTER*		(2) PRODUCTS CLASS GROUP SALES EXPOSURE INDICES		(1) YEAR ENDING QUARTER*		(2) PRODUCTS CLASS GROUP SALES EXPOSURE INDICES
2006	1	0.957		2013	1	1.031
	2	0.963			2	1.033
	3	0.968			3	1.034
	4	0.973			4	1.036
2007	1	0.978		2014	1	1.037
	2	0.982			2	1.041
	3	0.984			3	1.044
	4	0.986			4	1.045
2008	1	0.984		2015	1	1.046
	2	0.980			2	1.047
	3	0.979			3	1.048
	4	0.981			4	1.049
2009	1	0.988		2016	1	1.050
	2	0.995			2	1.050
	3	0.999			3	1.049
	4	1.000			4	1.050
2010	1	0.996		2017	1	1.052
	2	0.993			2	1.052
	3	0.993			3P	1.054
	4	0.996			4P	1.055
2011	1	0.999		2018	1P	1.057
	2	1.004			2P	1.062
	3	1.009			3P	1.068
	4	1.012			4P	1.077
2012	1	1.016		2019	1P	1.087
	2	1.019			2P	1.097
	3	1.023			3P	1.107
	4	1.027			4P	1.115

CHANGE IN EXPOSURES   PRODUCTS

    7/1/2014 to 7/1/2019   (2019:4/2014:4)   1.067

    7/1/2015 to 7/1/2019   (2019:4/2015:4)   1.063

    7/1/2016 to 7/1/2019   (2019:4/2016:4)   1.063

AVERAGE ANNUAL TREND FACTOR

    7/1/2014 to 7/1/2019   (5.0 YRS)   1.013

    7/1/2015 to 7/1/2019   (4.0 YRS)   1.015

    7/1/2016 to 7/1/2019   (3.0 YRS)   1.021

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

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

(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>
12/31/2007	$42,420,543	1,379	$30,762	$28,316		
12/31/2008	40,272,526	1,207	33,366	29,003		
12/31/2009	31,685,148	1,251	25,328	29,708	$26,390	
12/31/2010	32,713,488	1,183	27,653	30,429	27,740	
12/31/2011	28,675,181	1,108	25,880	31,168	29,158	$30,207
12/31/2012	38,712,344	1,036	37,367	31,925	30,648	31,397
12/31/2013	26,984,675	868	31,088	32,700	32,215	32,635
12/31/2014	23,834,350	657	36,278	33,494	33,862	33,922
12/31/2015	23,912,777	621	38,507	34,307	35,593	35,259
12/31/2016	18,995,085	588	32,305	35,140	37,412	36,649
Goodness of Fit Statistic, R-Squared:				0.241	0.540	0.236
Average Annual Severity Trend (10 yr)				+ 2.4%		
Average Annual Severity Trend (8 yr)				+ 5.1%		
Average Annual Severity Trend (6 yr)				+ 3.9%		
Selected Annual Severity Trend				+ 2.5%		

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

(1)	(2)	(3)	(4)	(5)		
Accident	Basic Limit		(2)/(3)	Exponential		
Year	Paid	Paid	Actual	Curve of		
Ending	Losses *	Occurrences	Severity	Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2007	$46,129,603	1,431	$32,236	$31,898		
12/31/2008	51,324,935	1,449	35,421	33,856		
12/31/2009	61,006,404	1,517	40,215	35,933	$34,915	
12/31/2010	54,299,783	1,586	34,237	38,139	37,289	
12/31/2011	46,602,267	1,328	35,092	40,479	39,825	$37,600
12/31/2012	57,849,826	1,239	46,691	42,964	42,533	40,938
12/31/2013	49,470,838	1,126	43,935	45,601	45,425	44,572
12/31/2014	48,130,952	1,006	47,844	48,399	48,514	48,529
12/31/2015	42,211,125	891	47,375	51,370	51,813	52,837
12/31/2016	49,681,833	801	62,025	54,522	55,336	57,527
	Goodness of Fit Statistic, R-Squared:			0.789	0.710	0.760
	Average Annual Severity Trend (10 yr)			+ 6.1%		
	Average Annual Severity Trend (8 yr)			+ 6.8%		
	Average Annual Severity Trend (6 yr)			+ 8.9%		
	Selected Annual Severity Trend			+ 6.5%		

* Including basic indemnity and allocated loss adjustment expense developed separately to an ultimate settlement basis.
NOTE: Trends are based on reported paid full coverage data developed to ultimate using paid development factors.
(See 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 Ending	(2) Aggregate Loss Costs at Current Level	(3) Occurrences at Ultimate[1]	(4) Occurrence Frequency $(3)/(2)^{2}$
12/31/2003	$ 105,363,415	3,915	37.16
12/31/2004	115,571,937	3,549	30.71
12/31/2005	112,417,336	2,932	26.08
12/31/2006	110,489,840	2,991	27.07
12/31/2007	112,838,232	3,312	29.35
12/31/2008	120,185,990	3,195	26.59
12/31/2009	122,010,236	3,456	28.32
12/31/2010	129,948,988	3,458	26.61
12/31/2011	133,428,615	3,145	23.57
12/31/2012	148,535,277	3,286	22.12
12/31/2013	148,183,605	3,211	21.67
12/31/2014	151,540,686	2,930	19.34
12/31/2015	159,697,036	2,593	16.23
12/31/2016	165,289,404	2,502	15.14

Selected Annual Frequency Trend: - 1.0%

[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.

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 (Zi) of the individual class with respect to the class group. This is calculated based on the equation:

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

$K = $ The number of classes within the class group.

$\overline{P}_i = $ The 5 year total Mono / Multi ALCCL for class i.

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

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

*Note: The latest year of ALCCL in this filing reflects the full implementation of monoline/multiline data versus the prior filing.

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:

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

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

$$\overline{X} = \frac{\sum\limits_{i=1}^{K} Z_i \overline{X}_i}{\sum\limits_{i=1}^{K} Z_i}$$

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 1.000 results from capping.

*Note: The latest year of ALCCL in this filing reflects the full implementation of monoline/multiline data versus the prior filing.

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.

SUBLINE: PRODUCTS
CLASS GROUP: 03
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .971 * .920

CLASS	AYE 2016 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	286535	1340543	1.39693	.1527	.981	1.041	.930	.022	.020	-9.1	.022	.020
10141	630446	2982738	1.05092	.2420	.941	.999	.892	.025	.022	-12.0	.025	.022
12361	2989917	14424476	1.09537	.5630	1.013	1.075	.960	.095	.091	-4.2	.095	.091
12373	290841	1102394	.82248	.1380	.895	.950	.849	.036	.031	-13.9	.036	.031
13049	279928	1292128	1.37321	.1497	.976	1.036	.925	.063	.058	-7.9	.063	.058
13111	87922	478725	.25164	.0968	.843	.895	.800	.141	.113	-19.9	.141	.113
13112	2231664	9697164	1.62379	.4703	1.244	1.321	1.180	.070	.083	18.6	.070	.083
13621	679238	3392055	1.30611	.2614	1.011	1.073	.959	.440	.420	-4.5	.440	.420
13670	410386	1803204	.99749	.1799	.923	.980	.875	.015	.013	-13.3	.015	.013
15223	1297818	6333636	.95336	.3762	.924	.981	.876	.040	.035	-12.5	.040	.035
15406	272053	1456859	1.43406	.1597	.991	1.052	.940	.050	.047	-6.0	.050	.047
16604	2948785	14744182	.66877	.5681	.771	.818	.731	.290	.212	-26.9	.290	.212
51300	22341	35571	.00000	.0651	.847	.899	.803	.260	.209	-19.6	.260	.209
51305	30346	62943	.15774	.0672	.856	.909	.812	1.510	1.230	-18.5	1.510	1.230
51315	1095109	4769267	.83276	.3200	.883	.937	.837	.139	.116	-16.5	.139	.116
51350	342815	1320770	.65753	.1515	.869	.923	.825	.214	.177	-17.3	.214	.177
51351	30090	108180	.24736	.0705	.860	.913	.816	.066	.054	-18.2	.066	.054
51352	168349	726102	.08959	.1136	.814	.864	.772	.179	.138	-22.9	.179	.138
51355	227300	1217510	.62955	.1451	.866	.919	.821	.141	.116	-17.7	.141	.116
51356	86833	367318	.36166	.0891	.858	.911	.814	1.050	.850	-19.0	1.050	.850
51357	2374	13007	.00000	.0635	.849	.901	.805	.540	.430	-20.4	.540	.430
51358	19137	73456	.43626	.0679	.875	.929	.830	.211	.175	-17.1	.211	.175
51359	115604	414314	1.02740	.0924	.918	.975	.871	1.160	1.010	-12.9	1.160	1.010
51752	1088255	4522385	.68227	.3102	.837	.889	.794	.250	.199	-20.4	.250	.199
52002	1894665	7730168	.97824	.4191	.937	.995	.889	.126	.112	-11.1	.126	.112
53001	4021245	17746480	.91562	.6108	.912	.968	.865	.440	.380	-13.6	.440	.380
53374	10747423	40825945	1.05350	.7790	1.021	1.084	.968	.470	.450	-4.3	.470	.450
53375	2634570	9800064	1.16713	.4728	1.030	1.093	.976	.250	.244	-2.4	.250	.244
53376	657530	3161820	1.03889	.2506	.940	.998	.892	.238	.212	-10.9	.238	.212
53377	3857952	18553416	.82398	.6209	.855	.908	.811	.330	.270	-18.2	.330	.270
53565	407470	1347272	.24356	.1531	.805	.855	.764	.207	.158	-23.7	.207	.158
55371	57617	257090	.00000	.0813	.833	.884	.790	.200	.158	-21.0	.200	.158
56488	56317	277686	2.79880	.0827	1.063	1.128	1.008	.039	.039	0.0	.039	.039
56758	135522	609129	.62977	.1058	.877	.931	.832	.214	.178	-16.8	.214	.178
56759	1255898	4876866	.76284	.3242	.860	.913	.816	.144	.118	-18.1	.144	.118
56760	2472336	11619461	.91119	.5124	.909	.965	.862	.147	.127	-13.6	.147	.127
57002	498804	1441973	.56981	.1588	.853	.906	.809	.161	.130	-19.3	.161	.130

X-TILDE: .942   X-TILDE (MONOLINE): .942   PI-TILDE: .0038509
TAU SQUARED: .03000   SIGMA SQUARED: 377831.41706

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 *  .971 *    .920


                          5 YEAR                                          PRESENT  PROPOSED  STATE-
          AYE 2016   5 YEAR  MONO/MULTI                                   MULTI-   MULTI-    WIDE    PRESENT    PROPOSED
          MONO/MULTI MONO/MULTI EXPERIENCE      FORMULA         CHANGE    STATE    STATE     %       STATEWIDE  STATEWIDE
          ALCCL      ALCCL     RATIO    CRED.   ER     INDEX    FACTOR    OCCUR    OCCUR     CHANGE  OCCUR      OCCUR
CLASS     (1)        (2)       (3)      (4)     (5)    (6)      (7)       (8)      (9)       (10)    (11)       (12)
-----     ---------- ---------- ---------- ------ ------- ------ ------- --------- --------- ------ --------- ---------
57651       328807    1386742    .24004  .1555  .803   .852    .761       .066     .050     -24.2    .066       .050
57913      1661751    6843455    .37278  .3926  .697   .740    .661       .590     .430     -27.1    .590       .430  L
59537       206516    1080934   1.60679  .1366 1.002  1.064    .950       .181     .172      -5.0    .181       .172
59647        94274     347517    .49463  .0877  .870   .924    .825       .249     .205     -17.7    .249       .205
59904        23935     145878    .00000  .0732  .840   .797    .797       .101     .080     -20.8    .101       .080
59905       140299     758546   1.43666  .1158  .968  1.028    .918       .150     .138      -8.0    .150       .138
59925         1570      11652    .63851  .0634  .890   .945    .844      1.250    1.060     -15.2   1.250      1.060
59926       405683    2048118    .75506  .1936  .877   .931    .832       .590     .490     -16.9    .590       .490
59927        43906     197856   2.84599  .0770 1.056  1.121   1.001      1.710    1.710      0.0    1.710      1.710
59963        43287     200676    .06696  .0772  .842   .894    .799       .670     .540     -19.4    .670       .540
59964       260301    1112678   1.05928  .1386  .928   .985    .880       .075     .066     -12.0    .075       .066
```

```
X-TILDE:   .942    X-TILDE (MONOLINE):    .942    PI-TILDE: .0038509
TAU SQUARED:  .03000    SIGMA SQUARED:   377831.41706


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 * 1.030 *    .920


                          5 YEAR                                        PRESENT   PROPOSED  STATE-
            AYE 2016    5 YEAR    MONO/MULTI                            MULTI-    MULTI-    WIDE    PRESENT    PROPOSED
            MONO/MULTI  MONO/MULTI EXPERIENCE         FORMULA           CHANGE    STATE     STATE     %       STATEWIDE  STATEWIDE
            ALCCL       ALCCL     RATIO     CRED.   ER      INDEX  FACTOR   OCCUR     OCCUR     CHANGE  OCCUR      OCCUR
CLASS       (1)         (2)       (3)       (4)     (5)     (6)    (7)      (8)       (9)       (10)    (11)       (12)
-----       ----------  ----------  ----------  ------  -------  ------  -------  ---------  ---------  ------  ---------  ---------
10010        228467      900106    .21395    .1051   1.087   .946   .896     .250      .224     -10.4    .250       .224
10040        986402     4785475   1.07411    .2095   1.165  1.014   .961     .310      .300      -3.2    .310       .300
10070       2143866    10085405   1.22279    .3179   1.200  1.044   .989     .143      .141      -1.4    .143       .141
10101        374669     2053349   1.04294    .1389   1.169  1.017   .964     .198      .191      -3.5    .198       .191
10111        216901      889617    .57699    .1048   1.125   .979   .928     .106      .098      -7.5    .106       .098
10255       3519002    15027370    .81393    .3953   1.041   .906   .859     .177      .152     -14.1    .177       .152
10256         12259       68755   1.06600    .0791   1.180  1.027   .973     .162      .158      -2.5    .162       .158
10257       3367246    13942453   1.10969    .3799   1.159  1.009   .956     .196      .187      -4.6    .196       .187
11126        279910     1461119    .65076    .1219   1.124   .978   .927     .026      .024      -7.7    .026       .024
11203          9814       52420    .00000    .0786   1.096   .954   .904     .720      .650      -9.7    .720       .650
11248         10890       89109    .43652    .0798   1.129   .983   .931     .024      .022      -8.3    .024       .022
12391       2097449    10362269   1.02446    .3228   1.136   .989   .937     .107      .100      -6.5    .107       .100
12509         67360      358313    .06261    .0884   1.090   .949   .899     .052      .047      -9.6    .052       .047
12651        792808     3493121    .91791    .1776   1.141   .993   .941     .590      .560      -5.1    .590       .560
12707        267435     1314061   1.33533    .1176   1.207  1.050   .995     .790      .790       0.0    .790       .790
12797       1086080     5075136   1.04326    .2163   1.158  1.008   .955     .176      .168      -4.5    .176       .168
13201         24245      144049    .11562    .0816   1.102   .959   .909     .221      .201      -9.0    .221       .201
13204       1378333     8413145   1.66553    .2871   1.326  1.154  1.094    1.130     1.240       9.7   1.130      1.240
13205        428027     2030660   1.61270    .1382   1.248  1.086  1.029     .440      .450       2.3    .440       .450
13314           353        1647    .00000    .0770   1.098   .956   .906     .022      .020      -9.1    .022       .020
13410       4334483    21611585   1.12173    .4747   1.157  1.007   .954    2.670     2.550      -4.5   2.670      2.550
13412        916739     5600861   1.62444    .2284   1.289  1.122  1.063    1.040     1.110       6.7   1.040      1.110
13590       4664260    20333053    .99408    .4610   1.099   .956   .906     .850      .770      -9.4    .850       .770
13715       1912415     9506921   1.22041    .3076   1.199  1.044   .989     .153      .151      -1.3    .153       .151
13930       1022777     4572268   1.41203    .2044   1.235  1.075  1.019     .201      .205       2.0    .201       .205
14068         11254       51082    .00000    .0786   1.096   .954   .904     .020      .018     -10.0    .020       .018
14527        454694     2033494   1.21094    .1383   1.192  1.037   .983     .206      .202      -1.9    .206       .202
14855        105309      378304    .37460    .0890   1.117   .972   .921     .217      .200      -7.8    .217       .200
16005        494353     2468243    .97407    .1504   1.157  1.007   .954     .042      .040      -4.8    .042       .040
16009         25984      122953   5.81473    .0809   1.564  1.361  1.290     .059      .073      23.7    .059       .073  U
16527       6181688    29550110   1.17291    .5465   1.180  1.027   .973     .430      .420      -2.3    .430       .420
16705        281319      965475    .50858    .1071   1.117   .972   .921     .188      .173      -8.0    .188       .173
16750        523344     1811536    .48608    .1320   1.097   .955   .905     .045      .041      -8.9    .045       .041
18205        732829     2923601    .92405    .1627   1.146   .997   .945     .380      .360      -5.3    .380       .360
18616       3291039    14489472    .95268    .3878   1.098   .956   .906     .670      .610      -9.0    .670       .610
18707         13046       64436   14.61194   .0790   2.250  1.958  1.855     .003      .003       0.0    .003       .003  U
45771        280375     1428124   1.39608    .1209   1.214  1.057  1.002     .220      .220       0.0    .220       .220



X-TILDE:  1.089    X-TILDE (MONOLINE):  1.149    PI-TILDE: .0048080
TAU SQUARED:  .03000    SIGMA SQUARED:   856182.73985


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 * 1.030 *   .920

CLASS	AYE 2016 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	583731	2893811	.71510	.1619	1.113	.969	.918	.065	.060	-7.7	.065	.060
53907	2944297	11479111	.89264	.3417	1.088	.947	.897	.155	.139	-10.3	.155	.139

X-TILDE: 1.089   X-TILDE (MONOLINE): 1.149   PI-TILDE: .0048080
TAU SQUARED: .03000   SIGMA SQUARED: 856182.73985

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 * 1.023 *   .920


                            5 YEAR                                              PRESENT   PROPOSED   STATE-
            AYE 2016    5 YEAR     MONO/MULTI                                   MULTI-    MULTI-     WIDE     PRESENT    PROPOSED
            MONO/MULTI  MONO/MULTI EXPERIENCE          FORMULA         CHANGE   STATE     STATE      %        STATEWIDE  STATEWIDE
            ALCCL       ALCCL      RATIO      CRED.    ER      INDEX   FACTOR   OCCUR     OCCUR      CHANGE   OCCUR      OCCUR
CLASS       (1)         (2)        (3)        (4)      (5)     (6)     (7)      (8)       (9)        (10)     (11)       (12)
-----       ----------  ---------- ---------- ------   ------- -----   -------  --------- ---------  ------   ---------  ---------
51380          2187        9520    .94916     .1521    1.001   .870    .819     .088      .072       -18.2    .088       .072
51575        371570     1770230    .90492     .4157     .967   .841    .792     .035      .028       -20.0    .035       .028
51576        297861     1164982    .35678     .3458     .785   .683    .643     .138      .100       -27.5    .138       .100    L
51613        170652      765272    .64516     .2896     .905   .787    .741     .270      .200       -25.9    .270       .200
51666         52577      263107   3.54953     .2038    1.528  1.329   1.251     .102      .127        24.5    .102       .127    U
51767          3797       20169    .00000     .1544     .855   .743    .699     .016      .012       -25.0    .016       .012    L
51833          2228       60414    .17314     .1630     .874   .760    .715     .142      .103       -27.5    .142       .103    L
51869        220655      849344    .84807     .3022     .962   .837    .788     .241      .190       -21.2    .241       .190
51889          1455       13942    .00000     .1530     .856   .744    .700     .027      .020       -25.9    .027       .020    L
51941       1762438     8445321   1.35482     .7318    1.263  1.098   1.033     .044      .045         2.3    .044       .045
52469       2058347    12058301   1.33857     .7925    1.271  1.105   1.040     .096      .100         4.2    .096       .100
55647        733277     3183484    .76890     .5324     .882   .767    .722     .110      .080       -27.3    .110       .080    L
55802         37984      231433    .58448     .1977     .926   .805    .758     .017      .013       -23.5    .017       .013
56040          1231        9330    .04212     .1520     .864   .751    .707     .078      .057       -26.9    .078       .057    L
57257         27871      129560   4.26843     .1774    1.589  1.382   1.301     .040      .050        25.0    .040       .050    U
57410         40506      199087    .00000     .1913     .817   .710    .668     .260      .188       -27.7    .260       .188    L
58503         29445      127839   2.80458     .1770    1.328  1.155   1.087     .071      .077         8.5    .071       .077
58627          4699       25190    .00000     .1555     .854   .743    .699     .030      .022       -26.7    .030       .022    L
59257          1273        5975    .00000     .1513     .858   .746    .702     .028      .021       -25.0    .028       .021    L
59923          8696      127756    .00000     .1770     .832   .723    .680     .009      .007       -22.2    .009       .007    L
```

```
X-TILDE:  1.197    X-TILDE (MONOLINE):  1.150     PI-TILDE: .0073907
TAU SQUARED:  .06349    SIGMA SQUARED:   247194.86094


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 *  .998 *    .920
```

	AYE 2016 MONO/MULTI ALCCL	5 YEAR MONO/MULTI ALCCL	5 YEAR MONO/MULTI EXPERIENCE RATIO	CRED.	FORMULA ER	INDEX	CHANGE FACTOR	PRESENT MULTI-STATE OCCUR	PROPOSED MULTI-STATE OCCUR	STATE-WIDE % CHANGE	PRESENT STATEWIDE OCCUR	PROPOSED STATEWIDE OCCUR
CLASS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
15733	27049	189919	.00772	.0473	.902	.920	.845	.052	.044	-15.4	.052	.044
51001	112	29766	.00000	.0295	.918	.937	.860	.620	.530	-14.5	.620	.530
51116	605955	3222726	1.11911	.2931	.997	1.017	.934	.590	.550	-6.8	.590	.550
51240	77909	346246	.33787	.0641	.907	.926	.850	.250	.213	-14.8	.250	.213
51241	443702	2285855	1.22375	.2319	1.010	1.031	.947	.360	.340	-5.6	.360	.340
51330	223928	886060	.79059	.1177	.928	.947	.869	.490	.430	-12.2	.490	.430
51370	79668	386065	1.42074	.0683	.978	.998	.916	6.570	6.020	-8.4	6.570	6.020
51500	451339	2296676	.72398	.2327	.894	.912	.837	.149	.125	-16.1	.149	.125
51550	14576	82049	.05876	.0354	.915	.934	.858	.480	.410	-14.6	.480	.410
51551	9386	38006	2.62080	.0304	.997	1.017	.934	1.140	1.060	-7.0	1.140	1.060
51552	2185	12886	4.46034	.0276	1.043	1.064	.977	.173	.169	-2.3	.173	.169
51600	206412	934931	.20286	.1223	.855	.872	.801	.290	.232	-20.0	.290	.232
51734	10027	122030	.06754	.0398	.911	.930	.854	.420	.360	-14.3	.420	.360
51741	185377	826332	.91248	.1121	.942	.961	.882	.320	.280	-12.5	.320	.280
51777	162746	837668	.75708	.1132	.925	.944	.867	.097	.084	-13.4	.097	.084
51808	158657	738975	1.57347	.1037	1.011	1.032	.948	.800	.760	-5.0	.800	.760
51809	27763	112236	.00000	.0387	.909	.928	.852	.216	.184	-14.8	.216	.184
51877	98215	599954	.78483	.0901	.931	.950	.872	.300	.260	-13.3	.300	.260
51896	992041	4867817	.74708	.3799	.870	.888	.815	.028	.023	-17.9	.028	.023
51900	14186	88030	.72212	.0360	.938	.957	.879	.120	.105	-12.5	.120	.105
51909	371	1644	.00000	.0263	.921	.940	.863	.076	.066	-13.2	.076	.066
51926	370504	1867546	1.06851	.2010	.971	.991	.910	.054	.049	-9.3	.054	.049
51927	502460	2049477	.52516	.2147	.856	.873	.802	.157	.126	-19.7	.157	.126
51934	273201	912055	.01536	.1201	.834	.851	.781	.228	.178	-21.9	.228	.178
51956	2136644	9888094	.94535	.5489	.946	.965	.886	.340	.300	-11.8	.340	.300
51957	1435573	6451255	1.26743	.4454	1.089	1.111	1.020	.410	.420	2.4	.410	.420
51960	8762	48796	.00000	.0316	.916	.935	.858	.490	.420	-14.3	.490	.420
51982	18206	85066	.00000	.0357	.912	.931	.855	.116	.099	-14.7	.116	.099
51986	88768	449109	.08785	.0748	.882	.900	.826	.155	.128	-17.4	.155	.128
51999	188800	882991	.70910	.1174	.918	.937	.860	.630	.540	-14.3	.630	.540
52075	78004	290137	.16423	.0581	.901	.919	.844	.340	.290	-14.7	.340	.290
52134	2614995	12199671	1.12330	.5992	1.052	1.073	.985	.760	.750	-1.3	.760	.750
52315	536577	2244355	1.14768	.2289	.992	1.012	.929	.290	.270	-6.9	.290	.270
52505	65776	374260	1.10771	.0670	.957	.977	.897	.250	.224	-10.4	.250	.224
52547	270284	1294686	1.34296	.1544	1.007	1.028	.944	.099	.093	-6.1	.099	.093
52911	1687147	6128394	.93223	.4332	.940	.959	.881	.770	.680	-11.7	.770	.680
52967	27857	159701	.49045	.0440	.926	.945	.868	.085	.074	-12.9	.085	.074

```
X-TILDE:  1.000    X-TILDE (MONOLINE):   .980    PI-TILDE: .0016768
TAU SQUARED:  .03000   SIGMA SQUARED:   255944.83267


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 *  .998 *   .920
```

CLASS	AYE 2016 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	47284	444058	.07715	.0743	.881	.899	.825	.650	.540	-16.9	.650	.540
53333	121511	433163	1.87578	.0731	1.014	1.035	.950	.250	.238	-4.8	.250	.238
53631	481	1880	.00000	.0263	.921	.940	.863	.029	.025	-13.8	.029	.025
53632	1829	8837	.00000	.0271	.920	.939	.862	.046	.040	-13.0	.046	.040
53732	2257557	10448562	.90311	.5622	.922	.941	.864	.700	.600	-14.3	.700	.600
53733	4729147	20119397	.94585	.7100	.946	.965	.886	.290	.260	-10.3	.290	.260
54077	670360	3243171	1.81876	.2943	1.203	1.228	1.128	.350	.390	11.4	.350	.390
55010	97939	756919	1.19814	.1055	.973	.993	.912	1.370	1.250	-8.8	1.370	1.250
55011	349230	2176753	.92597	.2241	.942	.961	.882	1.290	1.140	-11.6	1.290	1.140
55012	45144	166233	1.71449	.0447	.980	1.000	.918	1.440	1.320	-8.3	1.440	1.320
55013	360739	1724107	.98379	.1898	.953	.972	.892	1.180	1.050	-11.0	1.180	1.050
55214	1531	6633	.00000	.0268	.921	.940	.863	.119	.103	-13.4	.119	.103
55715	63454	204041	.01736	.0488	.901	.919	.844	.320	.270	-15.6	.320	.270
55716	52695	174256	2.97540	.0456	1.039	1.060	.973	.610	.590	-3.3	.610	.590
56202	522403	2227283	.49488	.2277	.843	.860	.790	.159	.126	-20.8	.159	.126
56390	233506	857290	2.01348	.1150	1.069	1.091	1.002	.620	.620	0.0	.620	.620
56391	1258966	5429143	.85484	.4048	.909	.928	.852	.420	.360	-14.3	.420	.360
56427	19209	129948	.00000	.0407	.908	.927	.851	.172	.146	-15.1	.172	.146
56690	1240	20800	.00000	.0285	.919	.938	.861	.490	.420	-14.3	.490	.420
56699	231959	844387	.37147	.1138	.881	.899	.825	.062	.051	-17.7	.062	.051
56916	870894	3671963	.50155	.3191	.804	.820	.753	.260	.196	-24.6	.260	.196
57090	160937	522113	.69352	.0823	.925	.944	.867	.820	.710	-13.4	.820	.710
57401	8703	42374	.00000	.0309	.917	.936	.859	.131	.113	-13.7	.131	.113
57403	1175	4877	.00000	.0266	.921	.940	.863	.048	.041	-14.6	.048	.041
57572	97625	541952	1.14274	.0843	.963	.983	.903	.118	.107	-9.3	.118	.107
57600	67579	259633	.00000	.0549	.894	.912	.837	.047	.039	-17.0	.047	.039
57611	87353	438588	.32675	.0737	.900	.918	.843	.089	.075	-15.7	.089	.075
57690	424399	2075748	.42068	.2167	.832	.849	.780	.820	.640	-22.0	.820	.640
57716	393623	1940465	.62120	.2066	.879	.897	.824	.129	.106	-17.8	.129	.106
57725	950888	3789596	1.32248	.3256	1.069	1.091	1.002	.094	.094	0.0	.094	.094
57726	52772	354931	.69602	.0650	.930	.949	.871	.022	.019	-13.6	.022	.019
57810	4490	25486	.00000	.0290	.919	.938	.861	.146	.126	-13.7	.146	.126
57871	47859	243340	1.54026	.0531	.978	.998	.916	.139	.127	-8.6	.139	.127
57998	31661	163805	.00000	.0444	.904	.922	.847	.079	.067	-15.2	.079	.067
57999	8297	47221	.26770	.0314	.925	.944	.867	.093	.081	-12.9	.093	.081
58095	1683731	6993282	1.12132	.4648	1.027	1.048	.962	2.030	1.950	-3.9	2.030	1.950
58096	1611740	5762257	1.04823	.4187	.989	1.009	.926	1.150	1.060	-7.8	1.150	1.060

```
X-TILDE:  1.000    X-TILDE (MONOLINE):   .980    PI-TILDE: .0016768
TAU SQUARED:  .03000    SIGMA SQUARED:   255944.83267


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 *  .998 *   .920


                     5 YEAR                                      PRESENT  PROPOSED  STATE-
          AYE 2016   5 YEAR   MONO/MULTI                         MULTI-   MULTI-    WIDE    PRESENT    PROPOSED
          MONO/MULTI MONO/MULTI EXPERIENCE      FORMULA          CHANGE   STATE    STATE    %        STATEWIDE  STATEWIDE
          ALCCL      ALCCL    RATIO     CRED.    ER     INDEX    FACTOR   OCCUR    OCCUR    CHANGE    OCCUR      OCCUR
CLASS     (1)        (2)      (3)       (4)      (5)    (6)      (7)      (8)      (9)      (10)      (11)       (12)
-----     ----------  ----------  ----------  ------  -------  ------  -------  ---------  ---------  ------  ---------  ---------
58301       65797      256041   2.40637   .0545   1.026  1.047    .961    .090     .086     -4.4      .090       .086
58302       82119      320092    .26290   .0613    .904   .922    .847    .075     .064    -14.7      .075       .064
58397     1409992     6088201   1.16722   .4317   1.042  1.063    .976    .990     .970     -2.0      .990       .970
58575       15932      126621    .07585   .0403    .911   .930    .854    .167     .143    -14.4      .167       .143
58663     1172367     5871890   1.46717   .4231   1.167  1.191   1.094   1.710    1.870      9.4     1.710      1.870
58802       60984      267867    .63835   .0557    .929   .948    .870    .570     .500    -12.3      .570       .500
58837        7735       53021    .11612   .0321    .919   .938    .861    .153     .132    -13.7      .153       .132
58840        4558       10518    .00000   .0273    .920   .939    .862    .149     .128    -14.1      .149       .128
58873      259632     1215611   1.06025   .1475    .963   .983    .903    .038     .034    -10.5      .038       .034
58904       20441       64515    .00000   .0334    .914   .933    .857    .177     .152    -14.1      .177       .152
58922     1401209     6331794   1.36625   .4410   1.131  1.154   1.060    .227     .241      6.2      .227       .241
59005      368329     1801857    .42586   .1959    .844   .861    .791    .137     .108    -21.2      .137       .108
59188         201        1026    .00000   .0262    .921   .940    .863    .075     .065    -13.3      .075       .065
59189        3337       26363    .00000   .0291    .918   .937    .860    .410     .350    -14.6      .410       .350
59223      149087      973076    .84616   .1258    .933   .952    .874    .099     .087    -12.1      .099       .087
59378           0         128    .00000   .0261    .921   .940    .863    .203     .175    -13.8      .203       .175
59481       98914      454197    .23948   .0753    .893   .911    .836    .121     .101    -16.5      .121       .101
59701       13913       62045   1.58412   .0331    .967   .987    .906    .250     .227     -9.2      .250       .227
59713      401828     1807222   1.13841   .1963    .984  1.004    .922    .400     .370     -7.5      .400       .370
59722       78446      382234    .87255   .0678    .941   .960    .881    .041     .036    -12.2      .041       .036
59723       41181      260023    .57405   .0549    .926   .945    .868    .051     .044    -13.7      .051       .044
59726      146044      852894   1.39103   .1146    .997  1.017    .934    .028     .026     -7.1      .028       .026
59738       27408      123616    .00000   .0400    .908   .927    .851    .090     .077    -14.4      .090       .077
59773           0        1044    .00000   .0262    .921   .940    .863    .037     .032    -13.5      .037       .032
59774           0         156    .00000   .0261    .921   .940    .863    .203     .175    -13.8      .203       .175
59775           0           0    .00000   .0000    .000   .000    .000    .230     .211     -8.3      .230       .211
59798     1049902     3757841   1.19999   .3239   1.028  1.049    .963    .550     .530     -3.6      .550       .530
59886       33311      191841    .00000   .0475    .901   .919    .844    .155     .131    -15.5      .155       .131
59889       27447      132205    .08057   .0409    .911   .930    .854    .198     .169    -14.6      .198       .169
59914      933219     4458495   1.04790   .3604    .983  1.003    .921    .760     .700     -7.9      .760       .700
59915      268058      745693   1.13786   .1044    .966   .986    .905    .970     .880     -9.3      .970       .880
59917       69641      349692   3.92012   .0644   1.138  1.161   1.066    .154     .164      6.5      .154       .164
59931      239419     1025422    .83183   .1306    .931   .950    .872    .790     .690    -12.7      .790       .690
59932       82568      329574    .00000   .0623    .887   .905    .831   1.340    1.110    -17.2     1.340      1.110
59947       35356      140817   1.03518   .0419    .950   .969    .890    .440     .390    -11.4      .440       .390
59955       40435      103876    .00000   .0378    .910   .929    .853    .200     .171    -14.5      .200       .171
59970       26462      114061    .00000   .0389    .909   .928    .852    .249     .212    -14.9      .249       .212


X-TILDE:  1.000    X-TILDE (MONOLINE):   .980    PI-TILDE: .0016768
TAU SQUARED:  .03000    SIGMA SQUARED:   255944.83267


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 *  .998 *    .920
```

| | AYE 2016 MONO/MULTI ALCCL | 5 YEAR MONO/MULTI ALCCL | 5 YEAR MONO/MULTI EXPERIENCE RATIO | CRED. | FORMULA ER | INDEX | CHANGE FACTOR | PRESENT MULTI-STATE OCCUR | PROPOSED MULTI-STATE OCCUR | STATE-WIDE % CHANGE | PRESENT STATEWIDE OCCUR | PROPOSED STATEWIDE OCCUR |
CLASS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
59975	598205	2713850	1.53298	.2611	1.099	1.121	1.029	.230	.237	3.0	.230	.237
59984	45019	182445	1.01819	.0465	.949	.968	.889	.072	.064	-11.1	.072	.064
59988	3221	23883	.00000	.0288	.919	.938	.861	.080	.069	-13.7	.080	.069
59989	20	109	.00000	.0261	.921	.940	.863	.060	.052	-13.3	.060	.052

```
X-TILDE:  1.000    X-TILDE (MONOLINE):   .980    PI-TILDE: .0016768
TAU SQUARED:  .03000    SIGMA SQUARED:   255944.83267

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 *  .996 *    .920


                        5 YEAR                                     PRESENT  PROPOSED  STATE-
           AYE 2016   5 YEAR   MONO/MULTI                          MULTI-   MULTI-    WIDE     PRESENT    PROPOSED
           MONO/MULTI MONO/MULTI EXPERIENCE          FORMULA        STATE    STATE    %        STATEWIDE  STATEWIDE
           ALCCL      ALCCL    RATIO      CRED.   ER      INDEX  CHANGE      OCCUR    OCCUR    CHANGE   OCCUR      OCCUR
CLASS      (1)        (2)      (3)        (4)     (5)     (6)    FACTOR (7)  (8)      (9)      (10)     (11)       (12)
-----      ----------  ----------  ----------  ------  -------  -----  -------  ---------  ---------  ------  ---------  ---------
49239      151721     910600    .62620     .2324   .882    .914   .838        .990      .830    -16.2    .990       .830
50010      89519      446995    .07603     .1688   .810    .839   .769       1.060      .820    -22.6   1.060       .820
51205      3047       10319     .00000     .0986   .865    .896   .821        .135      .111    -17.8    .135       .111
51206      8774       28449     .00000     .1017   .862    .893   .818        .750      .610    -18.7    .750       .610
51220      104581     493261   1.50612     .1756  1.055   1.093  1.002       3.240     3.250     0.3    3.240      3.250
51221      641597    3109012   1.21267     .4365  1.070   1.109  1.016       2.400     2.440     1.7    2.400      2.440
51222      299070     962484   1.48776     .2389  1.086   1.125  1.031       3.280     3.380     3.0    3.280      3.380
51224     1244454    4800901   1.09124     .5323  1.030   1.067   .978       1.220     1.190    -2.5    1.220      1.190
51230      0          0         .00000     .0000   .000    .000   .000        .960      .880    -8.3     .960       .880
51252     2578056   10616655    .76895     .7047   .825    .855   .783        .141      .110    -22.0    .141       .110
51254      3359       12528     .00000     .0990   .864    .895   .820        .073      .060    -17.8    .073       .060
51333      130284     519546   1.69520     .1795  1.092   1.132  1.037        .330      .340     3.0     .330       .340
51958      369261    1728622    .38579     .3236   .774    .802   .735        .530      .390    -26.4    .530       .390
51970      755383    3655867   1.21465     .4715  1.080   1.119  1.025        .247      .250     1.2     .247       .250
52433      55323      435243    .74748     .1671   .924    .958   .878       1.660     1.460    -12.0   1.660      1.460
52581      428783    2982085    .18555     .4278   .628    .651   .597       7.390     5.330    -27.9   7.390      5.330  L
52744      0          65977    2.53199     .1082  1.130   1.171  1.073        .117      .126     7.7     .117       .126
53077      337424    2122678    .88923     .3602   .934    .968   .887        .280      .248    -11.4    .280       .248
55597      0          0         .00000     .0000   .000    .000   .000       2.170     1.990    -8.3    2.170      1.990
55918      1948       59317     .00000     .1070   .857    .888   .814       5.280     4.300    -18.6   5.280      4.300
55919      0          21        .00000     .0968   .867    .898   .823       5.900     4.860    -17.6   5.900      4.860
56912      787481    3682847   2.19754     .4731  1.545   1.601  1.467        .084      .105    25.0     .084       .105  U
57146      386531    2060394    .78376     .3547   .897    .930   .852        .860      .730    -15.1    .860       .730
58737      99144      368765   1.66397     .1571  1.070   1.109  1.016        .990     1.010     2.0     .990      1.010
59601      115886     414648   2.31973     .1640  1.183   1.226  1.123       2.720     3.050    12.1    2.720      3.050
59660      440852    2683829   1.40110     .4060  1.139   1.180  1.081       1.110     1.200     8.1    1.110      1.200
59724      60517      191109    .02404     .1291   .839    .869   .796        .039      .031    -20.5    .039       .031
59725      630168    2863076    .88296     .4193   .927    .961   .881        .117      .103    -12.0    .117       .103
59750      11443      55748     .92550     .1064   .956    .991   .908        .310      .280    -9.7     .310       .280
59781      712186    3582835    .70069     .4671   .839    .869   .796        .110      .088    -20.0    .110       .088
59782      614886    2806373    .56524     .4151   .796    .825   .756        .910      .690    -24.2    .910       .690


X-TILDE:   .975    X-TILDE (MONOLINE):   .965    PI-TILDE: .0059290
TAU SQUARED:  .06319    SIGMA SQUARED:   325798.37109


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

SECTION G

SUPPORTING MATERIAL -- LOCAL PRODUCTS/COMPLETED OPERATIONS

TABLE OF CONTENTS

```
                                    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	12/31/2014	$86,030,352	1.000	1.136		$97,730,480
	12/31/2015	91,018,661	1.000	1.116		101,576,826
	12/31/2016	99,418,872	1.022	1.083		110,039,392
MULTILINE	12/31/2014	$208,200,841	1.000	1.136	0.975	$230,603,252
	12/31/2015	219,687,252	1.000	1.115	0.977	239,317,406
	12/31/2016	227,092,203	1.022	1.085	0.980	246,779,417
TOTAL	12/31/2014					$328,333,732
	12/31/2015					340,894,232
	12/31/2016					356,818,809

+ 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 7/1/2018 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
```

			$100,000 BASIC LIMIT LOSSES	BASIC LIMIT DEVELOPMENT	UNALLOCATED LOSS ADJ.	SEVERITY	FREQUENCY		$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS
REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	AND ALAE* X	FACTOR# X	FACTOR X	TREND X	TREND	=	AND LAE
BI	B/L INDEMNITY	12/31/2014	22,069,943	1.080	1.085	1.131	1.000		29,240,564
		12/31/2015	15,202,025	1.423	1.085	1.104	1.000		25,907,009
		12/31/2016	10,080,922	2.065	1.085	1.077	1.000		24,328,001
BI	ALAE	12/31/2014	20,094,808	1.000	1.085	1.131	1.000		24,659,042
		12/31/2015	18,522,294	1.000	1.085	1.104	1.000		22,186,745
		12/31/2016	16,461,817	1.000	1.085	1.077	1.000		19,236,374
PD	B/L INDEMNITY	12/31/2014	62,856,068	1.217	1.085	1.217	1.000		101,029,988
		12/31/2015	60,323,196	1.289	1.085	1.170	1.000		98,743,796
		12/31/2016	48,449,381	1.451	1.085	1.125	1.000		85,820,255
PD	ALAE	12/31/2014	72,546,527	1.000	1.085	1.217	1.000		95,793,699
		12/31/2015	74,641,881	1.000	1.085	1.170	1.000		94,754,136
		12/31/2016	65,166,753	1.000	1.085	1.125	1.000		79,544,168
TOTAL FULL COVERAGE		12/31/2014							250,723,293
		12/31/2015							241,591,685
		12/31/2016							208,928,798

* 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

                                                                           $100,000
                                   $100,000                               BASIC LIMIT
                        ACCIDENT    BASIC     BASIC LIMIT   UNALLOCATED     DEVELOPED &
                 LOSS     YEAR      LIMIT    DEVELOPMENT    LOSS ADJ.    SEVERITY  FREQUENCY   TRENDED LOSS
REPORT TYPE   DESCRIPTION ENDING   LOSSES   X  FACTOR    X   FACTOR   X  TREND  X  TREND   =    AND LAE
------------- ----------- ------   --------    ----------    ----------    --------  ---------      -----------
    BI       B/L INDEMNITY 12/31/2014  4,302,330   1.120        1.085        1.131     1.000       5,910,624
                           12/31/2015  2,423,222   1.522        1.085        1.104     1.000       4,417,128
                           12/31/2016  1,758,871   2.713        1.085        1.077     1.000       5,576,550

    BI          ALAE       12/31/2014  5,327,991   1.000        1.085        1.131     1.000       6,538,164
                           12/31/2015  3,279,671   1.000        1.085        1.104     1.000       3,928,521
                           12/31/2016  4,264,661   1.000        1.085        1.077     1.000       4,983,448

    PD       B/L INDEMNITY 12/31/2014 16,348,563   1.469        1.085        1.217     1.000      31,709,565
                           12/31/2015 19,733,502   1.608        1.085        1.170     1.000      40,274,585
                           12/31/2016 16,104,737   1.923        1.085        1.125     1.000      37,797,640

    PD          ALAE       12/31/2014 19,262,792   1.000        1.085        1.217     1.000      25,435,457
                           12/31/2015 28,417,281   1.000        1.085        1.170     1.000      36,074,317
                           12/31/2016 27,770,443   1.000        1.085        1.125     1.000      33,897,297


            TOTAL
            DED COVERAGE   12/31/2014                                                             69,593,811
                           12/31/2015                                                             84,694,551
                           12/31/2016                                                             82,254,936


            TOTAL
            OCCURRENCE     12/31/2014                                                            320,317,104
                           12/31/2015                                                            326,286,236
                           12/31/2016                                                            291,183,734
```

* 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	0.994
35	Not Applicable	--
36	Service Policy	1.030
37	Industrial/Processing Policy	0.665
38	Contractors Policy	0.786

(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) Credibility (c)	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.023	1.031	0.8436	1.030	6,000,000
27 to 39 Months	1.000	1.000	0.6553	1.000	15,000,000

Accident Year Ending	27:15	Exposure Development From 39:27	ULT:39	Factor
12/31/2014			1.000	1.000
12/31/2015		1.000	1.000	1.000
12/31/2016	1.030	1.000	1.000	1.030

(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) x (4)} + {(2) x {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	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
12/31/2009	8,062,393	7,870,128	7,865,346	7,867,841	7,867,839	7,867,839	7,867,839	7,867,839
12/31/2010	7,480,347	7,485,765	7,481,339	7,481,102	7,481,102	7,481,102	7,481,075	
12/31/2011	7,487,589	7,566,348	7,565,221	7,570,483	7,570,048	7,570,018		
12/31/2012	7,843,269	8,047,353	8,066,727	8,065,188	8,064,900			
12/31/2013	9,016,031	9,256,608	9,255,558	9,255,827				
12/31/2014	10,785,474	11,214,188	11,199,146					
12/31/2015	12,558,420	13,042,613						
12/31/2016	13,727,139							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
12/31/2009	0.976	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2010	1.001	0.999	1.000	1.000	1.000	1.000	
12/31/2011	1.011	1.000	1.001	1.000	1.000		
12/31/2012	1.026	1.002	1.000	1.000			
12/31/2013	1.027	1.000	1.000				
12/31/2014	1.040	0.999					
12/31/2015	1.039						
12/31/2016							

Average Best 3 of 5

27:15	39:27
1.031	1.000

MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS

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

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
12/31/2009	459,355,022	448,901,100	448,256,165	448,255,900	448,361,832	448,355,142	448,349,165	448,349,165
12/31/2010	432,044,757	432,440,517	432,295,436	432,295,523	432,277,494	432,264,611	432,266,788	
12/31/2011	437,856,239	446,495,506	446,246,631	446,254,931	446,203,429	446,216,064		
12/31/2012	472,856,867	483,289,074	483,278,313	483,175,362	483,195,360			
12/31/2013	531,625,042	543,940,239	543,685,470	543,580,522				
12/31/2014	589,663,243	605,030,130	604,691,306					
12/31/2015	621,802,372	636,931,772						
12/31/2016	642,234,264							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
12/31/2009	0.977	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2010	1.001	1.000	1.000	1.000	1.000	1.000	
12/31/2011	1.020	0.999	1.000	1.000	1.000		
12/31/2012	1.022	1.000	1.000	1.000			
12/31/2013	1.023	1.000	1.000				
12/31/2014	1.026	0.999					
12/31/2015	1.024						
12/31/2016							

Average Best 3 of 5

27:15	39:27
1.023	1.000

LOCAL PRODUCTS/COMPLETED OPERATIONS LOSS DEVELOPMENT DATA
TABLE OF CONTENTS

COMPLETED OPERATIONS

LOCAL PRODUCTS

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	1.797	2.312	0.4857	2.047	400,000
	27 to 39 Months	1.387	0.773	0.6325	0.999	410,000
	39 to 51 Months	1.077	0.695	0.5194	0.879	430,000
	51 to 63 Months	1.018	1.056	0.4166	1.034	450,000
	63 to 75 Months	1.005	1.062	0.5574	1.037	480,000
	75 to 87 Months	0.986	1.004	0.6481	0.998	510,000
	87 to 99 Months	0.999	0.938	0.5828	0.963	540,000
	99 to 111 Months	0.997	1.000	0.3687	0.998	560,000
	111 to 123 Months	1.000	1.000	0.4680	1.000	590,000
	123 to 135 Months	1.002	1.000	0.4940	1.001	620,000
	135 to 147 Months	1.000	1.000	0.5213	1.000	650,000
	147 to 159 Months	1.003	1.000	0.3944	1.002	690,000
	159 to 171 Months	1.002	1.000	0.3651	1.001	730,000
	171 to 183 Months	1.001	1.000	0.2838	1.001	770,000
	183 to 195 Months	1.000	1.000	0.3147	1.000	810,000
	195 to 207 Months	1.000	1.000	0.4123	1.000	860,000
	207 to 219 Months	1.000	1.000	0.4538	1.000	900,000
	219 to 231 Months	1.000	1.000	0.3566	1.000	950,000
	231 to 243 Months	1.000	1.000	0.1712	1.000	1,000,000
	243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2014			0.879	1.034	1.037	0.998	0.963	0.998	1.000	1.001	1.000
12/31/2015		0.999	0.879	1.034	1.037	0.998	0.963	0.998	1.000	1.001	1.000
12/31/2016	2.047	0.999	0.879	1.034	1.037	0.998	0.963	0.998	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
12/31/2014	1.002	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	0.909
12/31/2015	1.002	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	0.908
12/31/2016	1.002	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.858

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

Completed Operations
Bodily Injury
Full Coverage
ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.0638
27 to 39 Months	0.1181
39 to 51 Months	0.1111
51 to 63 Months	0.0964
63 to 75 Months	0.0475
75 to 87 Months	0.0223
87 to 99 Months	0.0119
99 to 111 Months	0.0104
111 to 123 Months	0.0028
123 to 135 Months	0.0044
135 to 147 Months	0.0048
147 to 159 Months	0.0027
159 to 171 Months	0.0013
171 to Ultimate	A multistate link ratio factor of 1.009 has been used.

Cumulative Incremental Factors

Months-to-Ultimate	15	27	39	51	63	75	87
	0.498	0.434	0.316	0.205	0.108	0.061	0.038

Months-to-Ultimate	99	111	123	135	147	159	171
	0.026	0.016	0.013	0.009	0.004	0.001	0.000

A.Y.E	Reported ALAE as of 3/31/17	$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2014	148,360	462,749	0.316	146,230	294,590	1.009	297,237
12/31/2015	75,689	423,858	0.434	183,955	259,644	1.009	261,977
12/31/2016	0	18,318	0.498	9,122	9,122	1.009	9,204

(A) See Section G - Multistate Loss Development.
Note: Completed Operations Incremental ALAE Factors are calculated using multistate data.

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	1.143	1.160	0.6616	1.154	1,500,000
27 to 39 Months	1.053	0.989	0.6937	1.009	1,600,000
39 to 51 Months	1.034	1.028	0.6980	1.030	1,700,000
51 to 63 Months	1.034	0.989	0.7280	1.001	1,800,000
63 to 75 Months	1.024	0.983	0.7612	0.993	1,800,000
75 to 87 Months	1.019	0.989	0.7387	0.997	1,900,000
87 to 99 Months	1.025	0.991	0.7091	1.001	2,100,000
99 to 111 Months	1.032	0.999	0.6784	1.010	2,100,000
111 to 123 Months	1.011	0.975	0.6035	0.989	2,300,000
123 to 135 Months	1.021	0.996	0.5690	1.007	2,400,000
135 to 147 Months	1.005	0.999	0.5342	1.002	2,500,000
147 to 159 Months	1.002	1.000	0.5384	1.001	2,700,000
159 to 171 Months	1.001	1.000	0.4818	1.001	2,800,000
171 to 183 Months	1.002	1.000	0.4785	1.001	3,000,000
183 to 195 Months	1.000	1.000	0.4417	1.000	3,200,000
195 to 207 Months	0.999	1.000	0.4084	0.999	3,300,000
207 to 219 Months	0.999	1.000	0.3311	0.999	3,500,000
219 to 231 Months	0.999	1.000	0.2316	0.999	3,800,000
231 to 243 Months	0.999	1.000	0.1290	0.999	3,900,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	Loss Development From										
	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2014			1.030	1.001	0.993	0.997	1.001	1.010	0.989	1.007	1.002
12/31/2015		1.009	1.030	1.001	0.993	0.997	1.001	1.010	0.989	1.007	1.002
12/31/2016	1.154	1.009	1.030	1.001	0.993	0.997	1.001	1.010	0.989	1.007	1.002

	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
12/31/2014	1.001	1.001	1.001	1.000	0.999	0.999	0.999	0.999	0.996		1.025
12/31/2015	1.001	1.001	1.001	1.000	0.999	0.999	0.999	0.999	0.996		1.034
12/31/2016	1.001	1.001	1.001	1.000	0.999	0.999	0.999	0.999	0.996		1.193

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

```
                                TENNESSEE


                           Completed Operations
                            Property Damage
                             Full Coverage
                                  ALAE

                  Calculation of Cumulative Incremental Factors

                 (1)                (2)

            EVALUATION         MULTISTATE
              PERIOD           RATIO (A)

      15 to  27 Months          0.0714
      27 to  39 Months          0.0808
      39 to  51 Months          0.0943
      51 to  63 Months          0.0716
      63 to  75 Months          0.0532
      75 to  87 Months          0.0424
      87 to  99 Months          0.0455
      99 to 111 Months          0.0551
     111 to 123 Months          0.0414
     123 to 135 Months          0.0311
     135 to 147 Months          0.0209
     147 to 159 Months          0.0113
     159 to 171 Months          0.0040
     171 to Ultimate     A multistate link ratio factor of 1.022 has been used.


                          Cumulative Incremental Factors
        Months-to-Ultimate    15      27      39      51      63      75      87
                            0.623   0.552   0.471   0.377   0.305   0.252   0.209

        Months-to-Ultimate    99     111     123     135     147     159     171
                            0.164   0.109   0.067   0.036   0.015   0.004   0.000


                 Reported ALAE     $500,000        ALAE    Additional     ALAE at    171-Ultimate    Ultimate
      A.Y.E      as of 3/31/17  Ultimate Indemnity Factor     ALAE       171 Months     Factor        ALAE
   12/31/2014       840,668        2,584,471       0.471    1,217,285    2,057,953      1.022       2,103,216
   12/31/2015       272,577        1,831,182       0.552    1,010,813    1,283,390      1.022       1,311,614
   12/31/2016       156,679        1,442,447       0.623      898,644    1,055,323      1.022       1,078,534


      (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:

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
12/31/1997	210,904	239,572	167,377	167,377	166,534	206,534	206,534	206,534	206,534	206,534	206,534
12/31/1998	43,948	110,676	330,676	330,751	332,251	332,251	332,251	320,038	320,038	320,038	320,038
12/31/1999	164,270	182,798	240,642	253,174	299,174	191,274	191,274	221,274	221,274	221,274	221,274
12/31/2000	60,217	78,217	90,844	85,744	61,968	61,968	61,968	65,418	61,968	61,968	61,968
12/31/2001	19,108	267,858	262,358	315,608	230,809	230,808	215,808	215,808	108,808	88,808	88,808
12/31/2002	15,268	196,268	98,271	108,618	163,618	163,618	163,618	154,268	154,268	154,268	154,268
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	163,998	117,000	47,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	
12/31/2008	175,950	205,139	240,990	313,440	295,940	295,940	295,940	220,940	195,940		
12/31/2009	283,460	342,642	414,334	357,748	342,748	405,991	426,557	352,748			
12/31/2010	216,737	200,338	120,338	187,338	237,338	237,338	237,338				
12/31/2011	136,921	232,925	197,726	57,726	24,470	39,487					
12/31/2012	126,740	55,414	98,765	76,225	168,780						
12/31/2013	35,142	245,642	168,142	75,642							
12/31/2014	295,590	404,661	318,092								
12/31/2015	47,000	181,659									
12/31/2016	6,994										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	206,534	206,534	206,534	206,534	206,534	206,534	206,534	206,534	206,534
12/31/1998	320,038	320,038	320,038	320,038	320,038	320,038	320,038	320,038	
12/31/1999	221,274	221,274	221,274	221,274	221,274	221,274	221,274		
12/31/2000	61,968	61,968	61,968	61,968	61,968	61,968			
12/31/2001	88,808	88,808	88,808	88,808	88,808				
12/31/2002	154,268	154,268	154,268	154,268					
12/31/2003	176,798	176,798	176,798						
12/31/2004	118,262	118,262							
12/31/2005	412,862								

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
12/31/1997	1.136	0.699	1.000	0.995	1.240	1.000	1.000	1.000	1.000	1.000	1.000
12/31/1998	2.518	2.988	1.000	1.005	1.000	1.000	0.963	1.000	1.000	1.000	1.000
12/31/1999	1.113	1.316	1.052	1.182	0.639	1.000	1.157	1.000	1.000	1.000	1.000
12/31/2000	1.299	1.161	0.944	0.723	1.000	1.000	1.056	0.947	1.000	1.000	1.000
12/31/2001	14.018	0.979	1.203	0.731	1.000	0.935	1.000	0.504	0.816	1.000	1.000
12/31/2002	12.855	0.501	1.105	1.506	1.000	1.000	0.943	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	
12/31/2007	0.713	0.402	0.681	1.000	1.000	1.000	1.000	1.000	1.000		
12/31/2008	1.166	1.175	1.301	0.944	1.000	1.000	0.747	0.887			
12/31/2009	1.209	1.209	0.863	0.958	1.185	1.051	0.827				
12/31/2010	0.924	0.601	1.557	1.267	1.000	1.000					
12/31/2011	1.701	0.849	0.292	0.424	1.614						
12/31/2012	0.437	1.782	0.772	2.214							
12/31/2013	6.990	0.685	0.450								
12/31/2014	1.369	0.786									
12/31/2015	3.865										
3 Yr Mean	4.075	1.084	0.505	1.302	1.266	1.017	0.858	0.962	1.000	1.000	1.000
Best 3/5	2.312	0.773	0.695	1.056	1.062	1.004	0.938	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
12/31/1997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
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					
12/31/2003	1.000	1.000						
12/31/2004	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
12/31/2012				1.062	1.004	0.938	1.000	1.000	1.000	1.000	1.000
12/31/2013			1.056	1.062	1.004	0.938	1.000	1.000	1.000	1.000	1.000
12/31/2014		0.695	1.056	1.062	1.004	0.938	1.000	1.000	1.000	1.000	1.000
12/31/2015		0.773	0.695	1.056	1.062	1.004	0.938	1.000	1.000	1.000	1.000
12/31/2016	2.312	0.773	0.695	1.056	1.062	1.004	0.938	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
12/31/2012	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.000
12/31/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.056
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.734
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.567
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.312

    * 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

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
12/31/1997	4,579	39,277	45,034	50,705	59,831	73,277	73,277	73,277	73,277	73,277	73,277
12/31/1998	209	29,282	53,709	95,938	100,888	101,080	101,080	101,080	101,080	101,080	101,080
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	3,197	133,364	169,706	268,120	245,076	196,166	211,242	212,638	183,323	186,028	186,541
12/31/2002	17	49,240	55,916	66,600	113,283	117,440	120,267	139,641	139,641	139,641	139,641
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	17,804	25,487	34,388	34,333	48,029	48,029	48,029	48,029	48,029	48,029	
12/31/2008	34,328	95,732	163,154	213,868	345,166	633,916	664,962	683,540	684,293		
12/31/2009	14,020	135,043	288,771	325,843	347,017	353,075	371,509	371,509			
12/31/2010	679	38,910	134,824	201,804	242,187	243,316	243,316				
12/31/2011	3,548	7,710	33,655	60,380	69,314	94,314					
12/31/2012	108	15,232	42,076	66,335	125,049						
12/31/2013	4,246	14,354	30,739	44,747							
12/31/2014	28,645	90,586	131,653								
12/31/2015	0	75,689									
12/31/2016	0										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	73,277	73,277	73,277	73,277	73,277	73,277	73,277	73,277	73,277
12/31/1998	101,080	101,080	101,080	101,080	101,080	101,080	101,080	101,080	
12/31/1999	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			
12/31/2001	186,541	186,541	186,541	186,541	186,541				
12/31/2002	139,641	139,641	139,641	139,641					
12/31/2003	164,689	164,689	164,689						
12/31/2004	279,210	279,210							
12/31/2005	141,792								

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

$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	359,952	461,225	580,925	636,534	535,007	544,507	494,861	465,111	560,701	545,701	545,701
12/31/1998	492,253	461,164	552,746	506,899	558,149	560,346	535,346	535,346	535,346	535,346	535,346
12/31/1999	340,167	481,924	497,902	549,505	525,604	487,604	487,604	507,033	521,518	587,604	
12/31/2000	526,211	649,488	740,156	972,157	966,157	1,088,057	1,108,057	1,123,057	1,123,057	1,123,057	1,123,057
12/31/2001	405,815	617,215	727,868	886,916	840,858	835,858	828,859	927,710	927,710	820,210	827,421
12/31/2002	472,709	744,046	682,950	985,521	926,446	820,137	780,857	880,000	779,750	809,750	809,750
12/31/2003	663,261	849,620	904,062	842,304	842,542	933,122	1,020,415	1,032,590	1,102,590	1,029,389	973,300
12/31/2004	913,623	1,181,762	1,073,408	1,166,418	1,059,850	1,177,346	1,261,307	1,339,577	1,332,077	1,331,138	1,371,127
12/31/2005	567,530	459,308	607,466	543,894	547,743	549,964	603,553	603,101	578,101	523,131	523,131
12/31/2006	587,925	1,113,889	1,158,595	1,415,814	1,495,866	1,544,016	1,320,264	1,310,453	1,314,452	1,314,452	1,299,452
12/31/2007	940,567	1,170,153	1,361,871	1,522,727	1,565,500	1,508,819	1,501,153	1,498,802	1,608,803	1,595,502	
12/31/2008	1,480,875	2,099,129	2,187,299	2,148,577	1,707,674	1,688,931	1,652,061	1,620,765	1,620,267		
12/31/2009	1,491,820	1,877,228	2,337,883	2,091,367	1,942,720	1,937,858	1,965,620	1,883,241			
12/31/2010	1,681,961	1,917,643	1,778,495	1,767,749	1,841,038	1,744,208	1,734,208				
12/31/2011	1,497,957	1,696,821	1,815,534	1,962,855	1,954,451	1,980,561					
12/31/2012	1,097,138	1,207,520	1,075,722	1,085,872	1,194,402						
12/31/2013	1,050,125	1,006,603	1,038,454	1,139,962							
12/31/2014	1,131,227	1,409,379	1,420,328								
12/31/2015	751,824	969,995									
12/31/2016	872,307										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	545,701	577,701	577,701	577,701	577,701	577,701	577,701	577,701	577,701
12/31/1998	567,346	567,346	567,346	567,346	567,346	567,346	567,346	567,346	
12/31/1999	587,604	587,604	587,604	588,529	587,604	587,604	587,604		
12/31/2000	1,123,057	1,123,057	1,123,057	1,123,057	1,123,057	1,123,057			
12/31/2001	820,210	820,210	820,210	820,210	820,210				
12/31/2002	809,750	809,750	809,750	809,750					
12/31/2003	973,300	973,300	978,300						
12/31/2004	1,366,127	1,366,127							
12/31/2005	523,135								

```
                    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
12/31/1997	1.281	1.260	1.096	0.841	1.018	0.909	0.940	1.206	0.973	1.000	1.000
12/31/1998	0.937	1.199	0.917	1.101	1.004	0.955	1.000	1.000	1.000	1.000	1.060
12/31/1999	1.417	1.033	1.104	0.957	0.928	1.000	1.000	1.040	1.029	1.127	1.000
12/31/2000	1.234	1.140	1.313	0.994	1.126	1.018	1.014	1.000	1.000	1.000	1.000
12/31/2001	1.521	1.179	1.219	0.948	0.994	0.992	1.119	1.000	0.884	1.009	0.991
12/31/2002	1.574	0.918	1.443	0.940	0.885	0.952	1.127	0.886	1.038	1.000	1.000
12/31/2003	1.281	1.064	0.932	1.000	1.108	1.094	1.012	1.068	0.934	0.946	1.000
12/31/2004	1.293	0.908	1.087	0.909	1.111	1.071	1.062	0.994	0.999	1.030	0.996
12/31/2005	0.809	1.323	0.895	1.007	1.004	1.097	0.999	0.959	0.905	1.000	1.000
12/31/2006	1.895	1.040	1.222	1.057	1.032	0.855	0.993	1.003	1.000	0.989	
12/31/2007	1.244	1.164	1.118	1.028	0.964	0.995	0.998	1.073	0.992		
12/31/2008	1.417	1.042	0.982	0.795	0.989	0.978	0.981	1.000			
12/31/2009	1.258	1.245	0.895	0.929	0.997	1.014	0.958				
12/31/2010	1.140	0.927	0.994	1.041	0.947	0.994					
12/31/2011	1.133	1.070	1.081	0.996	1.013						
12/31/2012	1.101	0.891	1.009	1.100							
12/31/2013	0.959	1.032	1.098								
12/31/2014	1.246	1.008									
12/31/2015	1.290										
3 Yr Mean	1.165	0.977	1.063	1.046	0.986	0.995	0.979	1.025	0.966	1.006	0.999
Best 3/5	1.160	0.989	1.028	0.989	0.983	0.989	0.991	0.999	0.975	0.996	0.999

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1997	1.059	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
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					
12/31/2003	1.000	1.005						
12/31/2004	1.000							
3 Yr Mean	1.000	1.002	1.000	0.999	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
12/31/2012				0.983	0.989	0.991	0.999	0.975	0.996	0.999	
12/31/2013			0.989	0.983	0.989	0.991	0.999	0.975	0.996	0.999	
12/31/2014		1.028	0.989	0.983	0.989	0.991	0.999	0.975	0.996	0.999	
12/31/2015	0.989	1.028	0.989	0.983	0.989	0.991	0.999	0.975	0.996	0.999	
12/31/2016	1.160	0.989	1.028	0.989	0.983	0.989	0.991	0.999	0.975	0.996	0.999

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.934
12/31/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.923
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.949
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.939
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.089

```
    *  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	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	50,944	63,590	181,822	249,336	293,504	325,593	312,528	371,064	492,406	501,694	501,694
12/31/1998	29,551	66,109	165,236	248,925	446,806	455,840	471,871	475,330	475,330	475,193	475,193
12/31/1999	7,889	61,032	102,378	186,650	243,841	232,630	232,630	232,630	257,261	322,484	359,300
12/31/2000	64,790	54,887	167,335	267,525	360,484	417,205	412,580	405,906	407,334	407,334	407,334
12/31/2001	47,772	171,499	228,777	299,682	279,565	281,220	287,551	496,724	514,252	341,785	341,850
12/31/2002	100,989	186,702	337,045	576,178	752,727	793,770	756,345	841,862	814,805	823,238	823,238
12/31/2003	136,532	251,189	390,864	465,362	646,409	736,630	737,728	744,660	780,533	793,469	792,331
12/31/2004	153,214	207,332	218,646	266,173	317,314	422,322	572,215	663,037	682,849	712,955	750,844
12/31/2005	66,174	59,060	135,940	183,144	216,740	217,108	233,096	235,208	234,019	234,019	234,019
12/31/2006	189,217	310,355	350,170	488,932	778,462	855,111	910,787	935,630	929,774	957,945	973,196
12/31/2007	102,571	207,652	354,938	499,471	932,125	1,032,929	1,135,195	1,296,481	1,449,592	1,500,912	
12/31/2008	178,471	572,390	783,149	1,034,805	1,364,556	1,528,828	1,552,448	1,610,448	1,635,950		
12/31/2009	220,930	481,729	796,570	881,315	1,018,547	1,185,929	1,316,568	1,666,640			
12/31/2010	186,735	396,746	575,397	630,144	804,230	827,813	878,269				
12/31/2011	155,437	365,081	457,978	611,821	787,492	828,088					
12/31/2012	123,668	378,193	475,672	498,527	553,258						
12/31/2013	495,119	555,674	552,059	1,120,623							
12/31/2014	88,133	429,026	817,605								
12/31/2015	80,651	263,854									
12/31/2016	147,344										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	501,694	501,694	501,694	501,694	501,694	501,694	501,694	501,694	501,694
12/31/1998	475,193	475,193	475,193	475,193	475,193	475,193	475,193	475,193	
12/31/1999	394,169	394,169	394,169	394,539	394,169	394,169	394,169		
12/31/2000	407,334	407,334	407,334	407,334	407,334	407,334			
12/31/2001	341,850	341,850	341,850	341,850	341,850				
12/31/2002	823,238	823,238	823,238	823,238					
12/31/2003	795,323	796,656	848,436						
12/31/2004	722,892	722,892							
12/31/2005	234,019								

```
                        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
12/31/1997	6,241,204	10,525,449	10,841,986	11,938,374	11,748,878	12,104,010	12,350,780	12,225,225	12,461,924	13,070,275	13,249,646
12/31/1998	5,420,506	7,799,654	10,051,766	10,544,076	10,891,327	11,231,449	11,794,495	12,369,419	11,988,501	11,666,870	11,688,477
12/31/1999	5,771,569	8,056,239	10,731,282	12,587,689	12,626,800	12,957,960	12,588,556	12,448,890	12,450,443	12,449,993	12,472,787
12/31/2000	3,544,766	7,825,215	9,907,827	11,802,496	11,696,443	11,965,334	11,559,097	11,560,525	11,501,174	11,539,818	11,537,239
12/31/2001	3,429,839	7,253,437	9,584,206	10,586,096	11,061,229	11,050,516	10,965,708	10,788,086	10,683,483	10,582,030	10,603,400
12/31/2002	3,136,688	7,310,568	9,778,703	10,474,499	11,602,422	11,755,504	11,946,317	12,153,038	12,322,670	12,427,505	12,462,723
12/31/2003	3,830,463	7,075,038	10,589,947	11,235,944	11,084,558	10,881,067	10,655,769	10,611,563	10,595,095	10,631,496	10,682,506
12/31/2004	4,760,080	7,412,243	10,228,138	11,432,868	11,472,494	10,979,099	11,416,880	11,362,114	11,328,202	11,363,367	11,467,698
12/31/2005	4,584,914	7,910,640	11,284,250	12,708,602	12,514,175	12,638,455	12,948,706	12,884,194	12,801,401	12,898,337	12,858,883
12/31/2006	5,021,836	9,147,539	13,343,747	14,101,035	13,904,971	14,077,041	13,945,274	14,142,903	14,054,192	13,968,871	13,895,761
12/31/2007	4,505,784	8,880,068	11,862,598	13,149,635	13,143,049	13,138,081	13,037,337	13,177,976	13,374,884	13,160,409	
12/31/2008	4,630,223	8,545,051	12,371,265	13,017,884	12,903,315	12,893,948	13,475,968	13,207,064	13,220,966		
12/31/2009	5,545,545	9,021,867	12,689,556	12,877,517	12,854,954	13,277,720	12,782,440	12,664,003			
12/31/2010	5,613,730	10,949,093	13,365,192	14,477,280	15,389,466	15,634,381	15,235,705				
12/31/2011	5,023,175	8,440,772	12,240,525	14,390,393	14,782,142	14,342,307					
12/31/2012	4,020,949	8,041,692	13,948,512	14,286,588	14,690,167						
12/31/2013	4,940,250	10,641,177	13,165,582	14,797,114							
12/31/2014	5,774,160	9,009,963	13,269,636								
12/31/2015	5,254,378	8,997,110									
12/31/2016	3,774,433										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	13,265,859	13,355,160	13,410,485	13,447,067	13,446,597	13,446,597	13,450,858	13,446,597	13,449,597
12/31/1998	11,879,577	11,851,752	12,065,937	12,046,176	12,046,176	12,051,676	11,926,990	11,946,228	
12/31/1999	12,430,019	12,391,751	12,377,878	12,377,577	12,377,578	12,377,577	12,377,577		
12/31/2000	11,573,532	11,633,876	11,576,525	11,622,279	11,617,275	11,632,274			
12/31/2001	10,634,402	10,628,084	10,665,126	10,708,333	10,684,969				
12/31/2002	12,394,428	12,424,961	12,569,195	12,569,905					
12/31/2003	10,718,010	10,731,068	10,769,810						
12/31/2004	11,498,042	11,694,502							
12/31/2005	12,752,144								

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
12/31/1997	1.686	1.030	1.101	0.984	1.030	1.020	0.990	1.019	1.049	1.014	1.001
12/31/1998	1.439	1.289	1.049	1.033	1.031	1.050	1.049	0.969	0.973	1.002	1.016
12/31/1999	1.396	1.332	1.173	1.003	1.026	0.971	0.989	1.000	1.000	1.002	0.997
12/31/2000	2.208	1.266	1.191	0.991	1.023	0.966	1.000	0.995	1.003	1.000	1.003
12/31/2001	2.115	1.321	1.105	1.045	0.999	0.992	0.984	0.990	0.991	1.002	1.003
12/31/2002	2.331	1.338	1.071	1.108	1.013	1.016	1.017	1.014	1.009	1.003	0.995
12/31/2003	1.847	1.497	1.061	0.987	0.982	0.979	0.996	0.998	1.003	1.005	1.003
12/31/2004	1.557	1.380	1.118	1.003	0.957	1.040	0.995	0.997	1.003	1.009	1.003
12/31/2005	1.725	1.426	1.126	0.985	1.010	1.025	0.995	0.994	1.008	0.997	0.992
12/31/2006	1.822	1.459	1.057	0.986	1.012	0.991	1.014	0.994	0.994	0.995	
12/31/2007	1.971	1.336	1.108	0.999	1.000	0.992	1.011	1.015	0.984		
12/31/2008	1.845	1.448	1.052	0.991	0.999	1.045	0.980	1.001			
12/31/2009	1.627	1.407	1.015	0.998	1.033	0.963	0.991				
12/31/2010	1.950	1.221	1.083	1.063	1.016	0.975					
12/31/2011	1.680	1.450	1.176	1.027	0.970						
12/31/2012	2.000	1.735	1.024	1.028							
12/31/2013	2.154	1.237	1.124								
12/31/2014	1.560	1.473									
12/31/2015	1.712										
3 Yr Mean	1.809	1.482	1.108	1.039	1.006	0.994	0.994	1.003	0.995	1.000	0.999
Best 3/5	1.797	1.387	1.077	1.018	1.005	0.986	0.999	0.997	1.000	1.002	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1997	1.007	1.004	1.003	1.000	1.000	1.000	1.000	1.000
12/31/1998	0.998	1.018	0.998	1.000	1.000	0.990	1.002	1.000 *
12/31/1999	0.997	0.999	1.000	1.000	1.000	1.000	1.000 *	1.000 *
12/31/2000	1.005	0.995	1.004	1.000	1.001	1.000 *	1.000 *	1.000 *
12/31/2001	0.999	1.003	1.004	0.998	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2002	1.002	1.012	1.000					
12/31/2003	1.001	1.004						
12/31/2004	1.017							
3 Yr Mean	1.007	1.006	1.003	0.999	1.000 @	0.997 @	1.001 @	1.000 @
Best 3/5	1.003	1.002	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
12/31/2012					1.005	0.986	0.999	0.997	1.000	1.002	1.000
12/31/2013				1.018	1.005	0.986	0.999	0.997	1.000	1.002	1.000
12/31/2014			1.077	1.018	1.005	0.986	0.999	0.997	1.000	1.002	1.000
12/31/2015		1.387	1.077	1.018	1.005	0.986	0.999	0.997	1.000	1.002	1.000
12/31/2016	1.797	1.387	1.077	1.018	1.005	0.986	0.999	0.997	1.000	1.002	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.003	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.995
12/31/2013	1.003	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.013
12/31/2014	1.003	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.091
12/31/2015	1.003	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.513
12/31/2016	1.003	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	2.719

* 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
12/31/1997	424,050	662,940	930,526	928,815	1,036,498	1,071,691	1,096,942	1,038,165	1,037,414	1,092,415	1,194,297
12/31/1998	106,123	395,586	680,640	916,686	1,171,521	1,186,605	901,002	965,932	1,072,428	1,157,485	1,143,685
12/31/1999	404,714	874,417	1,899,163	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	529,262	1,176,368	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	354,125	744,154	1,044,107	1,065,722	983,082	1,063,864	1,310,140	1,408,357	1,360,107	1,347,307	1,354,107
12/31/2002	234,242	655,739	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	269,310	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	1,141,746	1,111,605	1,212,958	1,069,928	1,159,474	1,160,802	1,128,902	1,262,811	1,208,236
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	324,368	1,022,453	961,110	1,100,843	1,193,090	1,306,290	1,246,602	1,214,427	1,189,453	1,188,954	
12/31/2008	316,396	864,693	913,403	1,050,595	1,063,780	1,242,728	1,336,184	1,473,931	1,486,978		
12/31/2009	586,791	1,045,400	1,069,085	1,263,752	1,084,741	1,154,076	1,098,109	1,097,244			
12/31/2010	641,422	781,803	1,443,275	2,008,073	1,739,838	1,672,694	1,597,404				
12/31/2011	270,205	819,627	1,330,077	1,689,436	1,722,481	1,706,863					
12/31/2012	431,960	1,184,597	1,678,586	1,832,309	1,692,857						
12/31/2013	1,783,848	2,622,513	2,992,232	3,121,946							
12/31/2014	2,191,821	2,922,984	3,345,850								
12/31/2015	1,198,104	1,659,445									
12/31/2016	1,309,334										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	1,198,257	1,202,281	1,204,867	1,203,617	1,201,117	1,201,117	1,201,117	1,203,617	1,202,367
12/31/1998	1,121,445	1,121,445	1,121,445	1,108,985	1,108,985	1,121,485	1,208,985		
12/31/1999	1,986,257	1,921,257	1,867,257	1,867,257	1,867,260	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			
12/31/2001	1,307,912	1,307,915	1,355,912	1,320,911	1,320,912				
12/31/2002	1,467,700	1,579,904	1,581,334	1,581,333					
12/31/2003	1,446,695	1,424,195	1,423,696						
12/31/2004	828,318	828,219							
12/31/2005	1,248,237								

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
12/31/1997	1.563	1.404	0.998	1.116	1.034	1.024	0.946	0.999	1.053	1.093	1.003
12/31/1998	3.728	1.721	1.347	1.278	1.013	0.759	1.072	1.110	1.079	0.988	0.981
12/31/1999	2.161	2.172	1.178	1.027	0.788	0.987	1.033	1.021	1.019	1.037	0.997
12/31/2000	1.509	2.223	1.242	0.856	1.458	0.902	0.928	1.049	0.994	0.955	1.011
12/31/2001	2.101	1.403	1.021	0.922	1.082	1.231	1.075	0.966	0.991	1.005	0.966
12/31/2002	2.799	1.714	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	2.306	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	1.092	0.974	1.091	0.882	1.084	1.001	0.973	1.119	0.957	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	
12/31/2007	3.152	0.940	1.145	1.084	1.095	0.954	0.974	0.979	1.000		
12/31/2008	2.733	1.056	1.150	1.013	1.168	1.075	1.103	1.009			
12/31/2009	1.782	1.023	1.182	0.858	1.064	0.952	0.999				
12/31/2010	1.219	1.846	1.391	0.866	0.961	0.955					
12/31/2011	3.033	1.623	1.270	1.020	0.991						
12/31/2012	2.742	1.417	1.092	0.924							
12/31/2013	1.470	1.141	1.043								
12/31/2014	1.334	1.145									
12/31/2015	1.385										
3 Yr Mean	1.396	1.234	1.135	0.937	1.005	0.994	1.025	1.025	1.030	0.947	1.011
Best 3/5	1.866	1.395	1.181	0.934	1.050	0.964	1.034	1.002	0.995	0.972	0.989

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1997	1.003	1.002	0.999	0.998	1.000	1.000	1.002	0.999
12/31/1998	1.000	1.000	0.989	1.000	1.011	1.078	1.000	1.000 *
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 *	1.000 *	1.000 *
12/31/2001	1.000	1.037	0.974	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2002	1.076	1.001	1.000					
12/31/2003	0.984	1.000						
12/31/2004	1.000							
3 Yr Mean	1.020	1.013	1.006	0.999	1.004 @	1.026 @	1.001 @	0.999 @
Best 3/5	0.999	0.994	0.996	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
12/31/2012					1.050	0.964	1.034	1.002	0.995	0.972	0.989
12/31/2013				0.934	1.050	0.964	1.034	1.002	0.995	0.972	0.989
12/31/2014			1.181	0.934	1.050	0.964	1.034	1.002	0.995	0.972	0.989
12/31/2015		1.395	1.181	0.934	1.050	0.964	1.034	1.002	0.995	0.972	0.989
12/31/2016	1.866	1.395	1.181	0.934	1.050	0.964	1.034	1.002	0.995	0.972	0.989

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	0.999	0.994	0.996	0.999	1.000	1.000	1.000	1.000	1.000*	0.991
12/31/2013	0.999	0.994	0.996	0.999	1.000	1.000	1.000	1.000	1.000*	0.926
12/31/2014	0.999	0.994	0.996	0.999	1.000	1.000	1.000	1.000	1.000*	1.093
12/31/2015	0.999	0.994	0.996	0.999	1.000	1.000	1.000	1.000	1.000*	1.525
12/31/2016	0.999	0.994	0.996	0.999	1.000	1.000	1.000	1.000	1.000*	2.846

* 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
12/31/1997	1,442,000	2,583,229	4,228,845	5,389,476	6,313,897	6,492,864	6,720,058	6,801,944	7,064,154	7,083,648	7,046,972
12/31/1998	1,013,565	2,354,396	4,139,916	5,199,408	5,830,146	12,517,665	10,644,003	11,426,524	11,588,545	11,522,853	11,570,040
12/31/1999	944,823	1,752,109	3,377,640	5,620,541	6,560,733	7,486,038	7,464,426	8,084,685	8,702,379	8,826,331	9,108,934
12/31/2000	829,813	2,831,308	4,079,734	6,365,302	7,215,162	7,816,441	7,873,827	7,933,795	8,108,686	8,564,615	8,576,444
12/31/2001	655,224	2,160,990	4,069,614	6,293,191	7,694,809	8,484,348	9,162,954	9,170,478	9,238,741	9,248,968	9,221,214
12/31/2002	733,182	2,925,812	4,775,870	8,148,014	9,064,076	10,510,229	10,851,019	11,227,948	11,482,570	11,500,317	11,583,923
12/31/2003	1,075,401	2,324,829	4,838,376	7,757,037	8,656,737	9,330,442	9,999,444	9,995,506	9,866,871	9,905,892	9,958,040
12/31/2004	541,941	1,869,791	4,630,796	7,458,736	9,499,474	10,706,103	11,922,272	11,709,305	11,866,994	11,901,633	12,251,548
12/31/2005	753,858	1,417,138	3,986,059	6,847,374	8,283,557	9,061,123	9,641,917	9,942,435	10,291,871	10,588,908	10,759,447
12/31/2006	974,077	3,859,469	6,843,965	8,814,935	10,115,103	11,327,293	11,892,747	12,218,917	12,493,166	12,508,141	12,487,456
12/31/2007	827,609	2,576,814	5,706,973	9,507,220	10,707,706	11,321,027	11,605,389	11,889,700	12,071,080	12,183,791	
12/31/2008	859,962	2,308,217	5,084,389	7,769,762	10,020,313	11,327,432	12,090,698	12,639,751	13,330,997		
12/31/2009	555,362	2,188,627	4,805,457	7,329,951	9,841,796	11,055,740	11,419,828	11,728,632			
12/31/2010	849,885	3,025,533	6,029,660	9,095,518	11,867,691	13,183,562	14,328,265				
12/31/2011	793,853	2,231,907	4,942,157	8,597,517	12,067,503	13,359,787					
12/31/2012	350,035	2,243,784	6,258,467	9,253,696	11,164,650						
12/31/2013	612,225	2,620,276	6,070,009	9,722,500							
12/31/2014	582,991	2,420,445	5,724,481								
12/31/2015	510,526	2,046,493									
12/31/2016	438,117										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	7,040,375	7,146,786	7,303,217	7,374,097	7,405,023	7,396,173	7,397,932	7,401,257	7,399,312
12/31/1998	11,950,998	12,285,606	12,584,020	12,727,270	12,807,469	12,860,312	12,926,994	13,052,011	
12/31/1999	9,303,455	9,200,419	9,191,959	9,193,098	9,193,323	9,193,791	9,191,893		
12/31/2000	8,690,360	8,686,842	8,677,913	8,683,726	8,687,482	8,699,709			
12/31/2001	9,263,908	9,255,695	9,264,724	9,334,477	9,339,124				
12/31/2002	11,650,194	11,834,712	11,920,830	12,023,147					
12/31/2003	10,069,326	10,106,963	10,184,261						
12/31/2004	12,420,071	12,546,183							
12/31/2005	10,899,757								

Link Ratios: 171 to Ultimate

A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243
12/31/1997	1.010	1.004	0.999	1.000	1.000	1.000	1.001 *
12/31/1998	1.011	1.006	1.004	1.005	1.010	1.000 *	1.001 *
12/31/1999	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.001 *
12/31/2000	1.001	1.000	1.001	1.000 *	1.000 *	1.000 *	1.001 *
12/31/2001	1.008	1.000	1.001 *	1.000 *	1.000 *	1.000 *	1.001 *
12/31/2002	1.009						
Best 3/5	1.006	1.001	1.001 *	1.000 *	1.000 *	1.000 *	1.001 *

171 to Ultimate Factor: 1.009

* Calculated Using Modified Bondy Method

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

Increments

A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1997	1,141,229	1,645,616	1,160,631	924,421	178,967	227,194	81,886	262,210	19,494	-36,676	-6,597	106,411	156,431
12/31/1998	1,340,831	1,785,520	1,059,492	630,738	6,687,519	-1,873,662	782,521	162,021	-65,692	47,187	380,958	334,608	298,414
12/31/1999	807,286	1,625,531	2,242,901	940,192	925,305	-21,612	620,259	617,694	123,952	282,603	194,521	-103,036	-8,460
12/31/2000	2,001,495	1,248,426	2,285,568	849,860	601,279	57,386	59,968	174,891	455,929	11,829	113,916	-3,518	-8,929
12/31/2001	1,505,766	1,908,624	2,223,577	1,401,618	789,539	678,606	7,524	68,263	10,227	-27,754	42,694	-8,213	9,029
12/31/2002	2,192,630	1,850,058	3,372,144	916,062	1,446,153	340,790	376,929	254,622	17,747	83,606	66,271	184,518	86,118
12/31/2003	1,249,428	2,513,547	2,918,661	899,700	673,705	669,002	-3,938	-128,635	39,021	52,148	111,286	37,637	77,298
12/31/2004	1,327,850	2,761,005	2,827,940	2,040,738	1,206,629	1,216,169	-212,967	157,689	34,639	349,915	168,523	126,112	
12/31/2005	663,280	2,568,921	2,861,315	1,436,183	777,566	580,794	300,518	349,436	297,037	170,539	140,310		
12/31/2006	2,885,392	2,984,496	1,970,970	1,300,168	1,212,190	565,454	326,170	274,249	14,975	-20,685			
12/31/2007	1,749,205	3,130,159	3,800,247	1,200,486	613,321	284,362	284,311	181,380	112,711				
12/31/2008	1,448,255	2,776,172	2,685,373	2,250,551	1,307,119	763,266	549,053	691,246					
12/31/2009	1,633,265	2,616,830	2,524,494	2,511,845	1,213,944	364,088	308,804						
12/31/2010	2,175,648	3,004,127	3,065,858	2,772,173	1,315,871	1,144,703							
12/31/2011	1,438,054	2,710,250	3,655,360	3,469,986	1,292,284								
12/31/2012	1,893,749	4,014,683	2,995,229	1,910,954									
12/31/2013	2,008,051	3,449,733	3,652,491										
12/31/2014	1,837,454	3,304,036											
12/31/2015	1,535,967												

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
12/31/1997	0.0539	0.0778	0.0548	0.0437	0.0085	0.0107	0.0039	0.0124	0.0009	-0.0017	-0.0003	0.0050	0.0074
12/31/1998	0.0605	0.0806	0.0478	0.0285	0.3020	-0.0846	0.0353	0.0073	-0.0030	0.0021	0.0172	0.0151	0.0135
12/31/1999	0.0369	0.0744	0.1026	0.0430	0.0423	-0.0010	0.0284	0.0283	0.0057	0.0129	0.0089	-0.0047	-0.0004
12/31/2000	0.0925	0.0577	0.1057	0.0393	0.0278	0.0027	0.0028	0.0081	0.0211	0.0005	0.0053	-0.0002	-0.0004
12/31/2001	0.0807	0.1023	0.1192	0.0752	0.0423	0.0364	0.0004	0.0037	0.0005	-0.0015	0.0023	-0.0004	0.0005
12/31/2002	0.0943	0.0796	0.1451	0.0394	0.0622	0.0147	0.0162	0.0110	0.0008	0.0036	0.0029	0.0079	0.0037
12/31/2003	0.0688	0.1385	0.1608	0.0496	0.0371	0.0369	-0.0002	-0.0071	0.0022	0.0029	0.0061	0.0021	0.0043
12/31/2004	0.0649	0.1349	0.1381	0.0997	0.0589	0.0594	-0.0104	0.0077	0.0017	0.0171	0.0082	0.0062	
12/31/2005	0.0258	0.1001	0.1115	0.0559	0.0303	0.0226	0.0117	0.0136	0.0116	0.0066	0.0055		
12/31/2006	0.1055	0.1091	0.0721	0.0475	0.0443	0.0207	0.0119	0.0100	0.0005	-0.0008			
12/31/2007	0.0714	0.1277	0.1551	0.0490	0.0250	0.0116	0.0116	0.0074	0.0046				
12/31/2008	0.0608	0.1165	0.1127	0.0945	0.0549	0.0320	0.0230	0.0290					
12/31/2009	0.0642	0.1029	0.0992	0.0987	0.0477	0.0143	0.0121						
12/31/2010	0.0753	0.1039	0.1061	0.0959	0.0455	0.0396							
12/31/2011	0.0548	0.1032	0.1392	0.1322	0.0492								
12/31/2012	0.0646	0.1370	0.1022	0.0652									
12/31/2013	0.0688	0.1182	0.1251										
12/31/2014	0.0736	0.1323											
12/31/2015	0.0579												
Best 3/5	0.0638	0.1181	0.1111	0.0964	0.0475	0.0223	0.0119	0.0104	0.0028	0.0044	0.0048	0.0027	0.0013

```
                    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
12/31/1997	14,476,707	21,024,999	24,989,059	27,568,777	29,573,219	31,498,859	33,686,772	34,617,731	35,065,578	35,428,621	35,715,051
12/31/1998	18,615,102	24,292,524	27,787,116	34,091,765	38,137,692	41,300,518	43,740,425	45,052,142	46,071,898	47,276,775	48,493,085
12/31/1999	19,138,909	24,207,487	27,938,198	31,687,167	34,551,502	38,222,368	40,057,561	41,152,481	42,186,533	43,199,144	43,276,904
12/31/2000	22,496,846	31,177,966	37,010,462	41,346,201	44,351,625	47,182,885	51,294,246	53,488,201	54,336,465	55,582,086	56,287,119
12/31/2001	26,608,794	34,625,135	41,258,569	45,443,563	49,166,004	51,034,839	52,357,084	54,772,098	56,381,032	56,986,012	56,994,631
12/31/2002	27,309,214	36,392,057	41,323,767	46,809,768	48,521,845	49,950,307	52,128,251	54,170,313	55,298,476	54,936,473	55,685,672
12/31/2003	28,963,973	34,593,389	39,248,028	41,023,560	45,455,070	47,307,090	48,478,945	49,668,305	51,055,527	51,526,685	52,215,078
12/31/2004	29,799,442	36,836,404	41,550,163	46,859,831	49,990,556	52,903,448	54,991,846	56,686,585	58,704,945	59,346,434	61,183,943
12/31/2005	28,435,414	35,728,019	41,122,523	46,572,316	49,288,411	52,854,996	56,131,514	57,503,106	59,675,160	59,774,844	61,083,853
12/31/2006	39,126,091	47,711,700	54,805,949	60,412,330	66,597,380	69,045,216	71,216,232	70,956,191	72,332,711	73,199,779	75,091,533
12/31/2007	44,679,247	54,568,490	64,192,746	67,590,748	70,802,938	73,317,717	74,413,262	76,841,607	78,626,742	80,885,042	
12/31/2008	55,540,851	65,183,255	72,107,651	74,938,298	77,672,965	79,248,062	80,964,948	82,392,694	90,690,441		
12/31/2009	58,801,478	68,318,210	75,425,062	78,296,193	80,268,239	81,154,659	82,824,113	85,986,675			
12/31/2010	56,999,260	66,336,967	70,416,407	72,589,432	75,529,224	76,739,232	77,888,506				
12/31/2011	55,785,336	62,971,870	65,510,969	65,966,732	67,638,544	70,611,534					
12/31/2012	48,618,858	55,438,963	57,561,010	60,722,673	63,724,593						
12/31/2013	44,518,808	49,431,715	53,848,124	55,695,132							
12/31/2014	44,658,691	51,781,980	54,862,816								
12/31/2015	42,468,994	49,359,932									
12/31/2016	38,848,222										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	36,624,927	36,943,255	37,099,133	36,951,679	36,963,398	36,926,684	36,865,371	36,863,121	36,856,270
12/31/1998	48,648,284	48,800,346	48,739,327	48,787,691	48,909,095	48,701,874	48,701,064	48,634,945	
12/31/1999	43,496,060	43,681,163	43,571,936	43,775,377	43,716,624	43,835,922	43,842,640		
12/31/2000	56,759,695	56,685,379	56,678,871	56,707,776	56,595,350	56,465,651			
12/31/2001	57,557,106	57,199,303	57,394,901	57,660,327	57,641,040				
12/31/2002	55,852,497	55,852,029	55,933,820	55,909,749					
12/31/2003	52,180,065	52,597,532	53,079,239						
12/31/2004	61,857,874	62,331,653							
12/31/2005	61,213,373								

```
                        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
12/31/1997	1.452	1.189	1.103	1.073	1.065	1.069	1.028	1.013	1.010	1.008	1.025
12/31/1998	1.305	1.144	1.227	1.119	1.083	1.059	1.030	1.023	1.026	1.026	1.003
12/31/1999	1.265	1.154	1.134	1.090	1.106	1.048	1.027	1.025	1.024	1.002	1.005
12/31/2000	1.386	1.187	1.117	1.073	1.064	1.087	1.043	1.016	1.023	1.013	1.008
12/31/2001	1.301	1.192	1.101	1.082	1.038	1.026	1.046	1.029	1.011	1.000	1.010
12/31/2002	1.333	1.136	1.133	1.037	1.029	1.044	1.039	1.021	0.993	1.014	1.003
12/31/2003	1.194	1.135	1.045	1.108	1.041	1.025	1.025	1.028	1.009	1.013	0.999
12/31/2004	1.236	1.128	1.128	1.067	1.058	1.039	1.031	1.036	1.011	1.031	1.011
12/31/2005	1.256	1.151	1.133	1.058	1.072	1.062	1.024	1.038	1.002	1.022	1.002
12/31/2006	1.219	1.149	1.102	1.102	1.037	1.031	0.996	1.019	1.012	1.026	
12/31/2007	1.221	1.176	1.053	1.048	1.036	1.015	1.033	1.023	1.029		
12/31/2008	1.174	1.106	1.039	1.036	1.020	1.022	1.018	1.101			
12/31/2009	1.162	1.104	1.038	1.025	1.011	1.021	1.038				
12/31/2010	1.164	1.061	1.031	1.040	1.016	1.015					
12/31/2011	1.129	1.040	1.007	1.025	1.044						
12/31/2012	1.140	1.038	1.055	1.049							
12/31/2013	1.110	1.089	1.034								
12/31/2014	1.160	1.059									
12/31/2015	1.162										
3 Yr Mean	1.144	1.062	1.032	1.038	1.024	1.019	1.030	1.048	1.014	1.026	1.004
Best 3/5	1.143	1.053	1.034	1.034	1.024	1.019	1.025	1.032	1.011	1.021	1.005

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1997	1.009	1.004	0.996	1.000	0.999	0.998	1.000	1.000
12/31/1998	1.003	0.999	1.001	1.002	0.996	1.000	0.999	0.999 *
12/31/1999	1.004	0.997	1.005	0.999	1.003	1.000	0.999 *	0.999 *
12/31/2000	0.999	1.000	1.001	0.998	0.998	0.999 *	0.999 *	0.999 *
12/31/2001	0.994	1.003	1.005	1.000	1.000 *	0.999 *	0.999 *	0.999 *
12/31/2002	1.000	1.001	1.000					
12/31/2003	1.008	1.009						
12/31/2004	1.008							
3 Yr Mean	1.005	1.004	1.002	0.999	0.999 @	0.999 @	1.000 @	1.000 @
Best 3/5	1.002	1.001	1.002	1.000	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
12/31/2012					1.024	1.019	1.025	1.032	1.011	1.021	1.005
12/31/2013				1.034	1.024	1.019	1.025	1.032	1.011	1.021	1.005
12/31/2014			1.034	1.034	1.024	1.019	1.025	1.032	1.011	1.021	1.005
12/31/2015		1.053	1.034	1.034	1.024	1.019	1.025	1.032	1.011	1.021	1.005
12/31/2016	1.143	1.053	1.034	1.034	1.024	1.019	1.025	1.032	1.011	1.021	1.005

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.002	1.001	1.002	1.000	0.999	0.999	0.999	0.999	0.996*	1.142
12/31/2013	1.002	1.001	1.002	1.000	0.999	0.999	0.999	0.999	0.996*	1.180
12/31/2014	1.002	1.001	1.002	1.000	0.999	0.999	0.999	0.999	0.996*	1.221
12/31/2015	1.002	1.001	1.002	1.000	0.999	0.999	0.999	0.999	0.996*	1.285
12/31/2016	1.002	1.001	1.002	1.000	0.999	0.999	0.999	0.999	0.996*	1.469

```
    *  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
12/31/1997	3,210,957	3,904,989	4,375,163	4,912,152	5,978,201	7,050,725	8,375,494	9,809,205	10,043,818	10,874,879	11,682,124
12/31/1998	3,447,941	5,186,967	6,423,875	6,796,525	7,813,276	8,517,341	9,741,425	11,257,610	12,200,642	13,040,291	13,201,578
12/31/1999	3,199,270	5,044,863	5,575,448	7,244,318	8,188,188	9,651,581	11,106,897	12,103,138	12,802,429	13,135,089	13,629,215
12/31/2000	3,471,855	5,349,935	7,405,959	9,489,899	11,691,772	14,491,304	16,582,160	18,447,246	19,221,575	21,494,186	23,246,804
12/31/2001	3,590,910	5,725,419	7,793,995	10,616,734	14,002,935	17,224,859	21,993,148	23,402,451	25,895,230	25,966,918	27,504,128
12/31/2002	4,255,414	5,700,028	8,365,872	10,199,308	11,830,443	14,391,760	16,031,537	17,902,386	20,136,148	20,065,628	20,048,355
12/31/2003	4,196,138	6,067,239	7,657,808	8,457,245	9,795,816	10,397,330	11,397,206	12,090,593	12,766,238	13,615,662	13,533,948
12/31/2004	5,824,885	7,372,939	9,171,424	9,751,195	10,459,553	11,464,569	12,149,530	13,332,912	13,916,022	14,294,772	14,519,929
12/31/2005	6,630,570	9,087,433	10,040,091	10,770,269	12,073,588	12,818,796	13,253,663	13,972,615	14,699,222	14,860,054	15,089,706
12/31/2006	7,644,998	9,212,774	10,413,710	11,101,832	11,193,322	12,124,225	12,755,867	13,477,739	13,894,055	15,108,278	15,949,800
12/31/2007	9,590,985	11,767,028	12,236,194	12,674,812	13,395,367	13,910,544	15,005,742	15,705,925	16,458,994	17,704,907	
12/31/2008	8,809,687	11,738,940	14,074,906	14,432,382	15,389,000	16,329,662	17,489,267	17,980,085	18,709,239		
12/31/2009	8,123,738	10,475,821	12,042,988	12,860,752	13,869,425	15,635,475	16,847,269	17,372,520			
12/31/2010	9,431,301	11,314,296	11,616,019	12,419,064	13,383,418	13,773,767	14,126,971				
12/31/2011	9,430,045	11,453,099	12,494,941	12,901,311	13,725,119	14,477,528					
12/31/2012	8,822,348	10,347,539	11,848,954	12,424,921	13,954,912						
12/31/2013	11,154,298	13,608,630	14,515,472	15,559,878							
12/31/2014	11,942,483	14,180,019	16,127,074								
12/31/2015	14,553,140	18,568,834									
12/31/2016	15,392,057										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	11,634,501	11,989,577	12,154,595	12,029,833	11,911,394	12,039,678	12,042,499	12,042,499	12,042,499
12/31/1998	13,610,892	13,632,660	13,641,292	13,655,097	13,486,595	13,478,122	13,477,622	13,477,622	
12/31/1999	13,840,532	14,113,809	13,952,858	13,884,919	13,902,711	13,850,534	13,850,534		
12/31/2000	23,819,062	24,018,558	23,936,492	23,909,280	23,684,801	23,514,256			
12/31/2001	27,664,786	27,743,074	27,364,516	27,272,641	27,110,734				
12/31/2002	20,383,354	20,185,142	19,889,306	19,659,178					
12/31/2003	13,380,432	13,581,000	13,234,508						
12/31/2004	14,556,234	14,699,378							
12/31/2005	15,673,999								

```
                    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
12/31/1997	1.216	1.120	1.123	1.217	1.179	1.188	1.171	1.024	1.083	1.074	0.996
12/31/1998	1.504	1.238	1.058	1.150	1.090	1.144	1.156	1.084	1.069	1.012	1.031
12/31/1999	1.577	1.105	1.299	1.130	1.179	1.151	1.090	1.058	1.026	1.038	1.016
12/31/2000	1.541	1.384	1.281	1.232	1.239	1.144	1.112	1.042	1.118	1.082	1.025
12/31/2001	1.594	1.361	1.362	1.319	1.230	1.277	1.064	1.107	1.003	1.059	1.006
12/31/2002	1.339	1.468	1.219	1.160	1.217	1.114	1.117	1.125	0.996	0.999	1.017
12/31/2003	1.446	1.262	1.104	1.158	1.061	1.096	1.061	1.056	1.067	0.994	0.989
12/31/2004	1.266	1.244	1.063	1.073	1.096	1.060	1.097	1.044	1.027	1.016	1.003
12/31/2005	1.371	1.105	1.073	1.121	1.062	1.034	1.054	1.052	1.011	1.015	1.039
12/31/2006	1.205	1.130	1.066	1.008	1.083	1.052	1.057	1.031	1.087	1.056	
12/31/2007	1.227	1.040	1.036	1.057	1.038	1.079	1.047	1.048	1.076		
12/31/2008	1.333	1.199	1.025	1.066	1.061	1.071	1.028	1.041			
12/31/2009	1.290	1.150	1.068	1.078	1.127	1.078	1.031				
12/31/2010	1.200	1.027	1.069	1.078	1.029	1.026					
12/31/2011	1.215	1.091	1.033	1.064	1.055						
12/31/2012	1.173	1.145	1.049	1.123							
12/31/2013	1.220	1.067	1.072								
12/31/2014	1.187	1.137									
12/31/2015	1.276										
3 Yr Mean	1.228	1.116	1.051	1.088	1.070	1.058	1.035	1.040	1.058	1.029	1.010
Best 3/5	1.207	1.098	1.062	1.074	1.051	1.067	1.044	1.044	1.057	1.010	1.009

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1997	1.031	1.014	0.990	0.990	1.011	1.000	1.000	1.000
12/31/1998	1.002	1.001	1.001	0.988	0.999	1.000	1.000	1.000 *
12/31/1999	1.020	0.989	0.995	1.001	0.996	1.000	1.000 *	1.000 *
12/31/2000	1.008	0.997	0.999	0.991	0.993	0.998 *	1.000 *	1.000 *
12/31/2001	1.003	0.986	0.997	0.994	0.992 *	0.998 *	1.000 *	1.000 *
12/31/2002	0.990	0.985	0.988					
12/31/2003	1.015	0.974						
12/31/2004	1.010							
3 Yr Mean	1.005	0.982	0.995	0.995	0.996 @	1.000 @	1.000 @	1.000 @
Best 3/5	1.007	0.987	0.997	0.992	0.996 *	0.999 *	1.000 *	1.000 *

```
                                 Development From
```

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					1.051	1.067	1.044	1.044	1.057	1.010	1.009
12/31/2013				1.074	1.051	1.067	1.044	1.044	1.057	1.010	1.009
12/31/2014			1.062	1.074	1.051	1.067	1.044	1.044	1.057	1.010	1.009
12/31/2015		1.098	1.062	1.074	1.051	1.067	1.044	1.044	1.057	1.010	1.009
12/31/2016	1.207	1.098	1.062	1.074	1.051	1.067	1.044	1.044	1.057	1.010	1.009

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.007	0.987	0.997	0.992	0.996	0.999	1.000	1.000	1.000*	1.288
12/31/2013	1.007	0.987	0.997	0.992	0.996	0.999	1.000	1.000	1.000*	1.383
12/31/2014	1.007	0.987	0.997	0.992	0.996	0.999	1.000	1.000	1.000*	1.469
12/31/2015	1.007	0.987	0.997	0.992	0.996	0.999	1.000	1.000	1.000*	1.613
12/31/2016	1.007	0.987	0.997	0.992	0.996	0.999	1.000	1.000	1.000*	1.947

```
    *  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
12/31/1997	1,846,349	3,388,352	6,368,407	8,650,810	11,397,585	12,849,668	15,485,064	17,821,630	18,774,044	20,150,562	21,226,411
12/31/1998	1,737,737	3,167,783	5,890,063	10,031,360	13,773,948	16,743,004	19,239,976	21,887,087	24,548,078	26,000,014	27,440,740
12/31/1999	1,773,214	3,567,590	6,702,060	11,916,176	15,648,828	19,661,918	23,212,769	26,434,111	29,414,434	31,202,834	32,023,544
12/31/2000	2,125,524	4,734,318	8,815,557	14,166,497	18,700,811	23,316,987	30,097,594	34,493,281	36,544,036	39,315,977	41,387,777
12/31/2001	3,652,588	7,383,994	13,825,798	20,060,489	25,494,369	31,545,398	38,175,114	42,776,029	46,351,363	48,879,972	50,003,920
12/31/2002	2,894,504	7,491,521	14,392,366	20,715,053	25,868,331	29,575,890	32,681,386	35,445,157	38,992,255	40,993,913	42,461,083
12/31/2003	4,292,337	7,391,544	13,607,964	18,774,781	24,018,042	29,049,509	32,412,528	36,629,375	39,730,894	42,062,588	44,095,630
12/31/2004	3,149,026	6,678,652	13,176,969	20,405,390	26,441,202	32,164,534	38,003,616	42,958,898	49,202,404	53,759,853	58,637,030
12/31/2005	2,329,108	7,475,806	14,518,029	21,651,251	27,781,339	35,165,399	40,251,171	45,261,226	50,504,396	54,807,202	57,978,935
12/31/2006	4,348,763	9,614,115	17,865,263	26,242,902	34,219,442	41,277,122	48,543,085	52,622,837	59,525,392	62,554,378	65,681,084
12/31/2007	4,921,269	10,136,774	19,207,808	27,226,533	35,446,228	42,785,530	48,143,935	53,727,660	58,162,148	63,051,230	
12/31/2008	5,924,852	14,422,936	23,979,034	35,373,607	45,202,075	51,829,850	56,638,959	60,321,988	64,546,366		
12/31/2009	7,837,555	16,561,331	29,190,274	42,433,393	51,928,436	59,106,314	64,611,236	70,897,548			
12/31/2010	7,031,800	15,875,589	27,695,985	40,149,403	48,035,059	53,551,457	57,694,303				
12/31/2011	7,644,494	15,133,217	23,547,314	30,931,342	36,388,656	42,112,057					
12/31/2012	5,851,363	12,668,921	20,905,489	29,249,493	38,377,914						
12/31/2013	5,242,096	12,783,352	19,539,706	28,744,896							
12/31/2014	4,959,578	11,928,993	20,099,270								
12/31/2015	5,817,976	12,751,249									
12/31/2016	5,854,058										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	22,442,411	22,332,385	22,653,156	22,979,467	23,006,295	23,048,644	23,039,179	23,059,803	23,097,878
12/31/1998	27,851,013	28,794,619	29,334,778	29,654,159	30,161,127	30,234,703	30,242,145	30,251,404	
12/31/1999	33,166,608	34,300,189	34,623,539	34,916,243	35,375,860	35,462,018	35,482,271		
12/31/2000	43,547,640	43,711,536	43,603,799	43,928,721	44,328,908	44,411,053			
12/31/2001	50,902,383	51,316,961	51,599,347	52,052,383	52,622,815				
12/31/2002	44,457,000	46,016,845	46,266,073	47,332,122					
12/31/2003	46,056,371	46,731,249	47,825,632						
12/31/2004	63,410,293	65,464,199							
12/31/2005	58,702,806								

Link Ratios: 171 to Ultimate

A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243
12/31/1997	1.014	1.001	1.002	1.000	1.001	1.002	1.000 *
12/31/1998	1.011	1.017	1.002	1.000	1.000	1.000 *	1.000 *
12/31/1999	1.008	1.013	1.002	1.001	1.000 *	1.000 *	1.000 *
12/31/2000	1.007	1.009	1.002	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2001	1.009	1.011	1.011 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2002	1.023						
Best 3/5	1.009	1.011	1.002 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.022

* 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
12/31/1997	1,542,003	2,980,055	2,282,403	2,746,775	1,452,083	2,635,396	2,336,566	952,414	1,376,518	1,075,849	1,216,000	-110,026	320,771
12/31/1998	1,430,046	2,722,280	4,141,297	3,742,588	2,969,056	2,496,972	2,647,111	2,660,991	1,451,936	1,440,726	410,273	943,606	540,159
12/31/1999	1,794,376	3,134,470	5,214,116	3,732,652	4,013,090	3,550,851	3,221,342	2,980,323	1,788,400	820,710	1,143,064	1,133,581	323,350
12/31/2000	2,608,794	4,081,239	5,350,940	4,534,314	4,616,176	6,780,607	4,395,687	2,050,755	2,771,941	2,071,800	2,159,863	163,896	-107,737
12/31/2001	3,731,406	6,441,804	6,234,691	5,433,880	6,051,029	6,629,716	4,600,915	3,575,334	2,528,609	1,123,948	898,463	414,578	282,386
12/31/2002	4,597,017	6,900,845	6,322,687	5,153,278	3,707,559	3,105,496	2,763,771	3,547,098	2,001,658	1,467,170	1,995,917	1,559,845	249,228
12/31/2003	3,099,207	6,216,420	5,166,817	5,243,261	5,031,467	3,363,019	4,216,847	3,101,519	2,331,694	2,033,042	1,960,741	674,878	1,094,383
12/31/2004	3,529,626	6,498,317	7,228,421	6,035,812	5,723,332	5,839,082	4,955,282	6,243,506	4,557,449	4,877,177	4,773,263	2,053,906	
12/31/2005	5,146,698	7,042,223	7,133,222	6,130,088	7,384,060	5,085,772	5,010,055	5,243,170	4,302,806	3,171,733	723,871		
12/31/2006	5,265,352	8,251,148	8,377,639	7,976,540	7,057,680	7,265,963	4,079,752	6,902,555	3,028,986	3,126,706			
12/31/2007	5,215,505	9,071,034	8,018,725	8,219,695	7,339,302	5,358,405	5,583,725	4,434,488	4,889,082				
12/31/2008	8,498,084	9,556,098	11,394,573	9,828,468	6,627,775	4,809,109	3,683,029	4,224,378					
12/31/2009	8,723,776	12,628,943	13,243,119	9,495,043	7,177,878	5,504,922	6,286,312						
12/31/2010	8,843,789	11,820,396	12,453,418	7,885,656	5,516,398	4,142,846							
12/31/2011	7,488,723	8,414,097	7,384,028	5,457,314	5,723,401								
12/31/2012	6,817,558	8,236,568	8,344,004	9,128,421									
12/31/2013	7,541,256	6,756,354	9,205,190										
12/31/2014	6,969,415	8,170,277											
12/31/2015	6,933,273												

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
12/31/1997	0.0293	0.0566	0.0434	0.0522	0.0276	0.0501	0.0444	0.0181	0.0262	0.0204	0.0231	-0.0021	0.0061
12/31/1998	0.0228	0.0434	0.0661	0.0597	0.0474	0.0398	0.0422	0.0425	0.0232	0.0230	0.0065	0.0151	0.0086
12/31/1999	0.0294	0.0513	0.0854	0.0611	0.0657	0.0582	0.0528	0.0488	0.0293	0.0134	0.0187	0.0186	0.0053
12/31/2000	0.0328	0.0514	0.0673	0.0571	0.0581	0.0853	0.0553	0.0258	0.0349	0.0261	0.0272	0.0021	-0.0014
12/31/2001	0.0463	0.0800	0.0774	0.0675	0.0751	0.0823	0.0571	0.0444	0.0314	0.0140	0.0112	0.0051	0.0035
12/31/2002	0.0585	0.0877	0.0804	0.0655	0.0471	0.0395	0.0351	0.0451	0.0255	0.0187	0.0254	0.0198	0.0032
12/31/2003	0.0411	0.0825	0.0686	0.0696	0.0668	0.0446	0.0560	0.0412	0.0309	0.0270	0.0260	0.0090	0.0145
12/31/2004	0.0388	0.0715	0.0795	0.0664	0.0630	0.0642	0.0545	0.0687	0.0501	0.0537	0.0525	0.0226	
12/31/2005	0.0603	0.0825	0.0835	0.0718	0.0865	0.0596	0.0587	0.0614	0.0504	0.0371	0.0085		
12/31/2006	0.0494	0.0774	0.0786	0.0748	0.0662	0.0681	0.0383	0.0647	0.0284	0.0293			
12/31/2007	0.0459	0.0799	0.0706	0.0724	0.0647	0.0472	0.0492	0.0391	0.0431				
12/31/2008	0.0656	0.0738	0.0879	0.0759	0.0512	0.0371	0.0284	0.0326					
12/31/2009	0.0681	0.0986	0.1034	0.0741	0.0560	0.0430	0.0491						
12/31/2010	0.0728	0.0973	0.1026	0.0649	0.0454	0.0341							
12/31/2011	0.0685	0.0770	0.0676	0.0499	0.0524								
12/31/2012	0.0674	0.0815	0.0825	0.0903									
12/31/2013	0.0800	0.0717	0.0977										
12/31/2014	0.0716	0.0839											
12/31/2015	0.0741												
Best 3/5	0.0714	0.0808	0.0943	0.0716	0.0532	0.0424	0.0455	0.0551	0.0414	0.0311	0.0209	0.0113	0.0040

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
12/31/1997	7,439,615	8,227,439	8,523,610	9,139,842	9,029,492	9,663,594	12,631,135	13,331,025	9,153,165	9,171,003	9,082,934
12/31/1998	6,622,351	7,292,022	8,007,532	8,303,794	7,913,238	8,101,716	8,057,765	8,168,423	8,058,976	8,107,695	7,972,733
12/31/1999	6,183,977	7,749,736	8,733,194	9,172,086	9,304,400	8,952,080	8,828,507	8,947,621	8,899,412	8,917,384	8,962,393
12/31/2000	6,759,702	8,374,218	9,462,840	10,684,728	9,784,873	9,735,436	9,701,512	9,758,700	9,675,712	9,690,445	9,673,871
12/31/2001	6,514,665	8,071,985	9,380,544	9,767,426	9,649,869	9,898,481	9,946,074	9,833,187	9,888,148	9,870,027	9,918,447
12/31/2002	6,967,152	8,264,684	9,831,635	11,038,987	10,988,162	10,890,407	10,891,012	10,874,392	10,874,592	10,870,770	10,976,771
12/31/2003	4,929,370	6,902,208	9,277,753	9,992,691	10,411,044	10,321,295	10,105,420	9,999,237	10,012,417	10,097,454	9,978,516
12/31/2004	5,960,836	7,305,219	8,677,233	9,425,082	9,199,807	8,859,717	8,932,879	8,776,365	8,815,357	8,836,786	8,808,321
12/31/2005	6,593,800	7,057,704	8,664,865	8,755,525	8,717,236	8,648,872	8,637,005	8,675,878	8,568,758	8,547,627	8,547,478
12/31/2006	5,837,115	7,125,673	8,671,010	8,713,463	8,549,390	8,323,991	8,136,572	8,147,864	8,209,776	8,209,776	8,209,776
12/31/2007	5,734,830	6,813,438	8,289,709	8,232,484	8,412,909	8,258,398	8,105,941	7,883,553	7,773,944	7,788,941	
12/31/2008	5,936,060	7,274,356	8,233,237	7,937,170	7,739,731	7,841,577	7,862,013	7,743,262	7,743,262		
12/31/2009	6,765,398	7,604,254	9,168,129	9,283,900	9,239,386	9,231,236	9,159,264	9,183,020			
12/31/2010	7,451,371	8,952,226	10,488,889	10,620,587	11,027,583	10,862,547	10,806,269				
12/31/2011	7,149,652	8,216,988	9,264,784	9,799,814	9,588,332	9,439,737					
12/31/2012	5,206,546	6,476,927	7,805,215	7,854,977	7,851,150						
12/31/2013	5,855,682	7,128,854	7,714,605	7,719,676							
12/31/2014	5,917,532	6,807,963	7,084,815								
12/31/2015	5,622,262	5,856,578									
12/31/2016	4,585,506										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	9,104,034	9,026,598	9,019,588	9,001,588	8,946,588	8,949,889	8,942,389	8,901,888	8,901,888
12/31/1998	7,996,132	7,985,437	7,985,937	7,986,437	7,990,739	8,015,738	8,215,737	8,190,737	
12/31/1999	8,941,847	8,924,898	9,023,898	9,028,699	9,033,699	9,048,699	9,048,699		
12/31/2000	9,770,371	9,695,915	9,732,210	9,768,710	9,758,458	9,738,708			
12/31/2001	9,924,206	9,923,206	9,965,106	9,922,206	9,902,571				
12/31/2002	10,949,833	10,962,832	10,970,362	11,090,361					
12/31/2003	9,967,516	9,957,517	9,957,516						
12/31/2004	8,810,820	8,809,177							
12/31/2005	8,554,902								

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
12/31/1997	1.106	1.036	1.072	0.988	1.070	1.307	1.055	0.687	1.002	0.990	1.002
12/31/1998	1.101	1.098	1.037	0.953	1.024	0.995	1.014	0.987	1.006	0.983	1.003
12/31/1999	1.253	1.127	1.050	1.014	0.962	0.986	1.013	0.995	1.002	1.005	0.998
12/31/2000	1.239	1.130	1.129	0.916	0.995	0.997	1.006	0.991	1.002	0.998	1.010
12/31/2001	1.239	1.162	1.041	0.988	1.026	1.005	0.989	1.006	0.998	1.005	1.001
12/31/2002	1.186	1.190	1.123	0.995	0.991	1.000	0.998	1.000	1.000	1.010	0.998
12/31/2003	1.400	1.344	1.077	1.042	0.991	0.979	0.989	1.001	1.008	0.988	0.999
12/31/2004	1.226	1.188	1.086	0.976	0.963	1.008	0.982	1.004	1.002	0.997	1.000
12/31/2005	1.070	1.228	1.010	0.996	0.992	0.999	1.005	0.988	0.998	1.000	1.001
12/31/2006	1.221	1.217	1.005	0.981	0.974	0.977	1.001	1.008	1.000	1.000	
12/31/2007	1.188	1.217	0.993	1.022	0.982	0.982	0.973	0.986	1.002		
12/31/2008	1.225	1.132	0.964	0.975	1.013	1.003	0.985	1.000			
12/31/2009	1.124	1.206	1.013	0.995	0.999	0.992	1.003				
12/31/2010	1.201	1.172	1.013	1.038	0.985	0.995					
12/31/2011	1.149	1.128	1.058	0.978	0.985						
12/31/2012	1.244	1.205	1.006	1.000							
12/31/2013	1.217	1.082	1.001								
12/31/2014	1.150	1.041									
12/31/2015	1.042										
3 Yr Mean	1.136	1.109	1.022	1.005	0.990	0.997	0.987	0.998	1.000	0.999	1.000
Best 3/5	1.172	1.127	1.011	0.991	0.990	0.990	0.996	0.997	1.001	0.999	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1997	0.991	0.999	0.998	0.994	1.000	0.999	0.995	1.000
12/31/1998	0.999	1.000	1.000	1.001	1.003	1.025	0.997	0.999 *
12/31/1999	0.998	1.011	1.001	1.001	1.002	1.000	1.000 *	0.999 *
12/31/2000	0.992	1.004	1.004	0.999	0.998	1.000 *	1.000 *	0.999 *
12/31/2001	1.000	1.004	0.996	0.998	0.999 *	1.000 *	1.000 *	0.999 *
12/31/2002	1.001	1.001	1.011					
12/31/2003	0.999	1.000						
12/31/2004	1.000							
3 Yr Mean	1.000	1.002	1.004	0.999	1.001 @	1.008 @	0.996 @	1.000 @
Best 3/5	1.000	1.003	1.002	0.999	1.000 *	1.000 *	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
12/31/2012					0.990	0.990	0.996	0.997	1.001	0.999	1.000
12/31/2013				0.991	0.990	0.990	0.996	0.997	1.001	0.999	1.000
12/31/2014			1.011	0.991	0.990	0.990	0.996	0.997	1.001	0.999	1.000
12/31/2015		1.127	1.011	0.991	0.990	0.990	0.996	0.997	1.001	0.999	1.000
12/31/2016	1.172	1.127	1.011	0.991	0.990	0.990	0.996	0.997	1.001	0.999	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.000	1.003	1.002	0.999	1.000	1.000	0.999	0.999	0.996*	0.971
12/31/2013	1.000	1.003	1.002	0.999	1.000	1.000	0.999	0.999	0.996*	0.963
12/31/2014	1.000	1.003	1.002	0.999	1.000	1.000	0.999	0.999	0.996*	0.973
12/31/2015	1.000	1.003	1.002	0.999	1.000	1.000	0.999	0.999	0.996*	1.097
12/31/2016	1.000	1.003	1.002	0.999	1.000	1.000	0.999	0.999	0.996*	1.285

* 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
12/31/1997	357,857	430,629	856,827	832,801	712,801	709,801	709,801	709,801	704,801	706,861	704,801
12/31/1998	104,651	183,618	137,402	75,802	75,802	76,802	76,802	76,802	84,345	84,302	84,302
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	314,291	528,582	556,688	476,626	501,626	490,970	486,970	487,970	487,970	486,970	521,970
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	408,226	436,004	390,234	498,725	484,971	446,232	446,231	446,231	446,231	446,231	446,231
12/31/2003	137,726	261,136	219,409	274,123	191,730	123,445	121,945	96,844	96,844	96,844	96,844
12/31/2004	711,594	664,590	1,075,135	1,252,571	863,010	864,290	841,891	841,890	841,890	841,890	841,890
12/31/2005	648,240	814,848	1,114,321	1,010,826	905,856	988,273	988,272	988,322	988,322	988,951	988,951
12/31/2006	449,818	935,743	937,460	812,104	834,562	834,005	834,005	834,005	834,005	834,005	834,005
12/31/2007	366,539	604,551	956,120	997,329	947,160	937,260	937,260	968,260	968,260	968,260	
12/31/2008	527,184	422,912	537,374	427,853	351,603	368,464	367,964	367,964	367,964		
12/31/2009	283,339	295,250	308,523	246,539	438,219	439,219	439,119	439,130			
12/31/2010	430,140	332,606	401,643	289,143	389,473	389,473	389,473				
12/31/2011	427,122	653,662	887,478	869,628	877,128	860,729					
12/31/2012	334,930	460,918	560,127	584,965	719,491						
12/31/2013	398,180	730,228	918,552	1,033,380							
12/31/2014	950,609	1,110,949	1,056,201								
12/31/2015	618,643	844,501									
12/31/2016	456,718										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	704,801	704,801	704,801	704,801	756,702	816,702	831,302	831,302	831,302
12/31/1998	84,302	84,302	84,302	84,302	84,302	84,302	85,302	104,302	
12/31/1999	221,172	221,172	247,673	247,673	247,673	247,673	247,673		
12/31/2000	505,070	505,571	571,905	560,889	567,011	566,053			
12/31/2001	466,578	463,774	505,428	505,428	480,116				
12/31/2002	446,231	446,231	446,231	438,731					
12/31/2003	96,844	96,844	96,844						
12/31/2004	841,893	841,890							
12/31/2005	988,951								

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
12/31/1997	1.203	1.990	0.972	0.856	0.996	1.000	1.000	0.993	1.003	0.997	1.000
12/31/1998	1.755	0.748	0.552	1.000	1.013	1.000	1.000	1.098	0.999	1.000	1.000
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	1.682	1.053	0.856	1.052	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	1.068	0.895	1.278	0.972	0.920	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	1.896	0.840	1.249	0.699	0.644	0.988	0.794	1.000	1.000	1.000	1.000
12/31/2004	0.934	1.618	1.165	0.689	1.001	0.974	1.000	1.000	1.000	1.000	1.000
12/31/2005	1.257	1.368	0.907	0.896	1.091	1.000	1.000	1.000	1.001	1.000	1.000
12/31/2006	2.080	1.002	0.866	1.028	0.999	1.000	1.000	1.000	1.000	1.000	
12/31/2007	1.649	1.582	1.043	0.950	0.990	1.000	1.000	1.033	1.000		
12/31/2008	0.802	1.271	0.796	0.822	1.048	0.999	1.000	1.000			
12/31/2009	1.042	1.045	0.799	1.777	1.002	1.000	1.000				
12/31/2010	0.773	1.208	0.720	1.347	1.000	1.000					
12/31/2011	1.530	1.358	0.980	1.009	0.981						
12/31/2012	1.376	1.215	1.044	1.230							
12/31/2013	1.834	1.258	1.125								
12/31/2014	1.169	0.951									
12/31/2015	1.365										
3 Yr Mean	1.456	1.141	1.050	1.195	0.994	1.000	1.011	1.000	1.000	1.000	1.000
Best 3/5	1.424	1.227	0.941	1.195	0.997	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
12/31/1997	1.000	1.000	1.000	1.074	1.079	1.018	1.000	1.000
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.012	1.223	1.004 *
12/31/1999	1.000	1.120	1.000	1.000	1.000	1.000	1.004 *	1.004 *
12/31/2000	1.001	1.131	0.981	1.011	0.998	1.000 *	1.004 *	1.004 *
12/31/2001	0.994	1.090	1.000	0.950	1.004 *	1.000 *	1.004 *	1.004 *
12/31/2002	1.000	1.000	0.983					
12/31/2003	1.000	1.000						
12/31/2004	1.000							
3 Yr Mean	1.000	1.030	0.988	0.987	0.999 @	1.010 @	1.112 @	1.000 @
Best 3/5	1.000	1.070	0.994	1.004	1.001 *	1.004 *	1.004 *	1.004 *

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
12/31/2012					0.997	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2013				1.195	0.997	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2014			0.941	1.195	0.997	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2015		1.227	0.941	1.195	0.997	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2016	1.424	1.227	0.941	1.195	0.997	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.000	1.070	0.994	1.004	1.001	1.004	1.004	1.004	1.016*	1.096
12/31/2013	1.000	1.070	0.994	1.004	1.001	1.004	1.004	1.004	1.016*	1.309
12/31/2014	1.000	1.070	0.994	1.004	1.001	1.004	1.004	1.004	1.016*	1.232
12/31/2015	1.000	1.070	0.994	1.004	1.001	1.004	1.004	1.004	1.016*	1.512
12/31/2016	1.000	1.070	0.994	1.004	1.001	1.004	1.004	1.004	1.016*	2.153

* 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:


 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
12/31/1997   1,797,776   2,462,603   2,670,354   3,382,105   3,685,532   3,818,155   3,924,462   3,957,626   4,123,673   4,197,066   4,251,148
12/31/1998     783,749   1,598,562   2,406,606   2,708,670   2,413,521   2,488,121   2,499,836   2,601,236   2,734,134   2,773,747   2,793,066
12/31/1999     809,270   1,810,850   2,455,867   3,171,865   3,519,551   3,521,975   3,620,704   4,015,372   4,012,006   4,049,567   4,060,385
12/31/2000   1,172,363   1,557,873   2,548,920   3,837,897   4,619,451   4,963,621   5,110,438   5,056,324   5,096,971   5,115,163   5,140,834
12/31/2001   1,003,745   2,141,272   3,491,378   4,414,773   5,537,942   6,050,510   6,954,182   7,205,723   7,460,107   7,299,517   7,455,682
12/31/2002   1,627,848   2,452,570   3,868,152   4,584,962   5,615,270   5,930,045   6,033,544   6,187,178   6,249,359   6,252,874   6,351,020
12/31/2003     784,219   1,606,060   2,487,562   3,311,108   4,055,141   4,427,418   4,605,572   4,585,043   4,594,291   4,633,139   4,707,105
12/31/2004     677,673   1,395,481   2,411,642   3,083,451   3,617,592   3,824,563   3,967,268   4,109,361   4,107,303   4,106,518   4,107,263
12/31/2005     539,413   1,246,739   2,291,154   2,849,430   4,034,356   3,353,331   3,469,163   3,479,086   3,475,315   3,456,128   3,456,158
12/31/2006     706,919   1,684,520   2,863,519   4,145,722   4,911,685   5,279,510   5,388,290   5,345,542   5,378,852   5,374,173   5,374,173
12/31/2007     719,557   1,570,333   2,986,159   3,590,135   4,341,543   4,593,031   4,800,299   4,639,352   4,677,612   4,673,491
12/31/2008     564,849   1,301,343   2,729,972   3,324,015   3,567,044   3,681,739   3,753,441   3,786,694   3,800,968
12/31/2009     589,313   1,523,551   3,397,063   3,470,476   4,130,202   4,109,070   4,125,297   4,138,913
12/31/2010     930,006   1,918,619   3,359,864   4,812,453   5,974,707   6,217,466   6,139,773
12/31/2011     764,022   1,457,175   3,036,062   4,278,805   4,891,759   5,236,812
12/31/2012     622,856   1,635,814   3,686,950   4,715,469   5,310,593
12/31/2013   1,033,587   2,311,455   3,786,965   4,884,549
12/31/2014     916,213   1,597,959   2,601,844
12/31/2015     564,141   1,079,946
12/31/2016     519,739


 A.Y.E      147 Months  159 Months  171 Months  183 Months  195 Months  207 Months  219 Months  231 Months  243 Months
12/31/1997   4,325,150   4,498,509   4,590,876   4,735,238   4,762,936   4,798,080   4,847,304   4,907,766   4,964,565
12/31/1998   2,807,476   2,815,190   2,825,726   2,850,641   2,848,035   2,855,578   3,006,040   3,116,164
12/31/1999   4,091,908   4,105,709   4,296,650   4,327,363   4,275,612   4,291,373   4,305,461
12/31/2000   5,540,139   5,304,998   5,375,115   5,427,854   5,490,045   5,513,298
12/31/2001   7,560,816   7,729,626   7,839,853   7,982,872   8,166,783
12/31/2002   6,403,713   6,467,472   6,473,295   6,738,353
12/31/2003   4,687,395   4,687,395   4,685,288
12/31/2004   4,104,463   4,127,130
12/31/2005   3,456,158
```

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
12/31/1997	664,827	207,751	711,751	303,427	132,623	106,307	33,164	166,047	73,393	54,082	74,002	173,359	92,367
12/31/1998	814,813	808,044	302,064	-295,149	74,600	11,715	101,400	132,898	39,613	19,319	14,410	7,714	10,536
12/31/1999	1,001,580	645,017	715,998	347,686	2,424	98,729	394,668	-3,366	37,561	10,818	31,523	13,801	190,941
12/31/2000	385,510	991,047	1,288,977	781,554	344,170	146,817	-54,114	40,647	18,192	25,671	399,305	-235,141	70,117
12/31/2001	1,137,527	1,350,106	923,395	1,123,169	512,568	903,672	251,541	254,384	-160,590	156,165	105,134	168,810	110,227
12/31/2002	824,722	1,415,582	716,810	1,030,308	314,775	103,499	153,634	62,181	3,515	98,146	52,693	63,759	5,823
12/31/2003	821,841	881,502	823,546	744,033	372,277	178,154	-20,529	9,248	38,848	73,966	-19,710	0	-2,107
12/31/2004	717,808	1,016,161	671,809	534,141	206,971	142,705	142,093	-2,058	-785	745	-2,800	22,667	
12/31/2005	707,326	1,044,415	558,276	1,184,926	-681,025	115,832	9,923	-3,771	-19,187	30	0		
12/31/2006	977,601	1,178,999	1,282,203	765,963	367,825	108,780	-42,748	33,310	-4,679	0			
12/31/2007	850,776	1,415,826	603,976	751,408	251,488	207,268	-160,947	38,260	-4,121				
12/31/2008	736,494	1,428,629	594,043	243,029	114,695	71,702	33,253	14,274					
12/31/2009	934,238	1,873,512	73,413	659,726	-21,132	16,227	13,616						
12/31/2010	988,613	1,441,245	1,452,589	1,162,254	242,759	-77,693							
12/31/2011	693,153	1,578,887	1,242,743	612,954	345,053								
12/31/2012	1,012,958	2,051,136	1,028,519	595,124									
12/31/2013	1,277,868	1,475,510	1,097,584										
12/31/2014	681,746	1,003,885											
12/31/2015	515,805												

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
12/31/1997	0.0508	0.0159	0.0544	0.0232	0.0101	0.0081	0.0025	0.0127	0.0056	0.0041	0.0057	0.0133	0.0071
12/31/1998	0.0651	0.0645	0.0241	-0.0236	0.0060	0.0009	0.0081	0.0106	0.0032	0.0015	0.0012	0.0006	0.0008
12/31/1999	0.0788	0.0508	0.0564	0.0274	0.0002	0.0078	0.0311	-0.0003	0.0030	0.0009	0.0025	0.0011	0.0150
12/31/2000	0.0283	0.0727	0.0945	0.0573	0.0252	0.0108	-0.0040	0.0030	0.0013	0.0019	0.0293	-0.0172	0.0051
12/31/2001	0.0783	0.0930	0.0636	0.0774	0.0353	0.0622	0.0173	0.0175	-0.0111	0.0108	0.0072	0.0116	0.0076
12/31/2002	0.0463	0.0794	0.0402	0.0578	0.0177	0.0058	0.0086	0.0035	0.0002	0.0055	0.0030	0.0036	0.0003
12/31/2003	0.0497	0.0533	0.0498	0.0450	0.0225	0.0108	-0.0012	0.0006	0.0023	0.0045	-0.0012	0.0000	-0.0001
12/31/2004	0.0586	0.0829	0.0548	0.0436	0.0169	0.0116	0.0116	-0.0002	-0.0001	0.0001	-0.0002	0.0018	
12/31/2005	0.0532	0.0785	0.0420	0.0891	-0.0512	0.0087	0.0007	-0.0003	-0.0014	0.0000	0.0000		
12/31/2006	0.0731	0.0882	0.0959	0.0573	0.0275	0.0081	-0.0032	0.0025	-0.0003	0.0000			
12/31/2007	0.0588	0.0978	0.0417	0.0519	0.0174	0.0143	-0.0111	0.0026	-0.0003				
12/31/2008	0.0559	0.1085	0.0451	0.0185	0.0087	0.0054	0.0025	0.0011					
12/31/2009	0.0695	0.1394	0.0055	0.0491	-0.0016	0.0012	0.0010						
12/31/2010	0.0641	0.0934	0.0941	0.0753	0.0157	-0.0050							
12/31/2011	0.0452	0.1030	0.0810	0.0400	0.0225								
12/31/2012	0.0844	0.1710	0.0857	0.0496									
12/31/2013	0.0957	0.1105	0.0822										
12/31/2014	0.0578	0.0851											
12/31/2015	0.0499												
Best 3/5	0.0641	0.1023	0.0830	0.0462	0.0139	0.0049	-0.0005	0.0011	-0.0002	0.0015	0.0009	0.0018	0.0044

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


                                          Link Ratios
   A.Y.E.     183:171   195:183   207:195    219:207    231:219    243:231    Ult:243
12/31/1997     1.031     1.006     1.007      1.010      1.012      1.012      1.031 *
12/31/1998     1.009     0.999     1.003      1.053      1.037      1.008 *    1.031 *
12/31/1999     1.007     0.988     1.004      1.003      1.005 *    1.008 *    1.031 *
12/31/2000     1.010     1.011     1.004      1.002 *    1.005 *    1.008 *    1.031 *
12/31/2001     1.018     1.023     1.002 *    1.002 *    1.005 *    1.008 *    1.031 *
12/31/2002     1.041

  Best 3/5     1.012     1.005     1.004 *    1.005 *    1.007 *    1.008 *    1.031 *


  171 to Ultimate Factor:  1.074



                     Cumulative Incremental Factors
Months-to-Ultimate      15        27        39        51        63        75        87
                      0.323     0.259     0.157     0.074     0.028     0.014     0.009

Months-to-Ultimate      99       111       123       135       147       159       171
                      0.009     0.008     0.009     0.007     0.006     0.004     0.000



             Reported ALAE       $500,000        ALAE     Additional   ALAE at    171-Ultimate   Ultimate
   A.Y.E    as of 3/31/17   Ultimate Indemnity   Factor      ALAE     171 Months     Factor        ALAE
12/31/2014    2,483,800         11,974,007       0.157    1,879,929   4,363,729      1.074       4,686,451
12/31/2015      919,749         10,196,622       0.259    2,640,926   3,560,675      1.074       3,823,990
12/31/2016      544,609         11,917,168       0.323    3,849,240   4,393,849      1.074       4,718,809


*  Calculated Using Modified Bondy Method
```

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

$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	1,953,974	1,964,549	1,832,575	2,092,458	2,040,272	2,152,401	2,324,184	2,359,502	2,338,871	2,407,075	2,447,850
12/31/1998	1,376,246	1,584,285	1,827,587	1,989,165	2,007,293	1,856,698	1,895,083	1,871,634	1,918,615	2,049,084	1,968,505
12/31/1999	1,622,564	2,017,237	2,095,285	2,257,097	2,261,634	2,244,951	2,349,147	2,321,868	2,383,720	2,329,275	2,347,247
12/31/2000	2,153,802	2,368,783	2,567,661	2,657,625	2,846,689	3,195,261	3,052,674	3,098,150	3,260,826	3,340,009	3,322,925
12/31/2001	1,731,912	1,779,507	2,057,641	2,139,241	2,056,011	2,093,344	2,259,820	2,432,396	2,440,122	2,512,778	2,506,924
12/31/2002	1,627,015	1,773,646	1,929,360	1,991,502	1,951,566	1,976,361	2,055,109	2,051,078	2,101,695	2,166,817	2,231,202
12/31/2003	1,471,559	2,083,659	2,442,765	2,396,033	2,672,429	2,667,941	2,704,455	2,723,521	2,723,667	2,774,557	2,775,111
12/31/2004	2,245,149	2,535,073	2,588,741	2,478,879	2,544,085	2,550,663	2,479,290	2,517,773	2,538,622	2,547,105	2,557,072
12/31/2005	3,074,372	3,325,448	3,553,068	3,639,529	3,724,860	3,589,172	3,602,528	3,649,016	3,658,386	3,652,096	3,652,374
12/31/2006	3,319,395	3,819,872	3,811,854	3,845,683	3,860,534	4,019,137	4,055,225	4,219,507	4,266,936	4,344,031	4,337,005
12/31/2007	3,233,879	3,375,774	3,523,997	3,749,608	4,047,727	3,967,041	4,109,477	4,082,076	4,074,338	4,067,547	
12/31/2008	4,291,659	4,633,951	4,771,174	4,865,990	5,058,125	5,308,163	5,564,119	5,918,857	6,160,999		
12/31/2009	3,865,924	4,035,038	4,091,697	4,094,615	4,095,088	4,314,565	4,327,899	4,468,271			
12/31/2010	4,779,346	4,868,388	5,126,035	5,167,057	4,770,697	5,013,259	5,054,462				
12/31/2011	4,472,978	4,646,825	4,939,642	4,879,585	4,986,972	5,141,889					
12/31/2012	4,265,254	4,380,478	4,105,818	3,985,145	4,142,509						
12/31/2013	4,009,776	3,907,044	4,507,617	4,426,008							
12/31/2014	3,789,807	4,109,838	4,023,021								
12/31/2015	5,159,993	5,396,463									
12/31/2016	4,834,540										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	2,434,468	2,419,567	2,518,622	2,518,622	2,518,622	2,518,625	2,518,622	2,518,622	2,518,622
12/31/1998	1,895,894	1,901,179	1,900,644	1,900,644	1,903,816	1,900,483	1,900,482	1,900,482	
12/31/1999	2,359,524	2,440,346	2,450,629	2,425,118	2,490,017	2,491,218	2,488,717		
12/31/2000	3,329,570	3,322,818	3,326,317	3,319,315	3,319,314	3,317,314			
12/31/2001	2,489,513	2,446,591	2,452,085	2,453,264	2,465,271				
12/31/2002	2,213,098	2,278,740	2,285,615	2,294,215					
12/31/2003	2,815,167	2,799,953	2,783,902						
12/31/2004	2,517,294	2,519,073							
12/31/2005	3,647,774								

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
12/31/1997	1.005	0.933	1.142	0.975	1.055	1.080	1.015	0.991	1.029	1.017	0.995
12/31/1998	1.151	1.154	1.088	1.009	0.925	1.021	0.988	1.025	1.068	0.961	0.963
12/31/1999	1.243	1.039	1.077	1.002	0.993	1.046	0.988	1.027	0.977	1.008	1.005
12/31/2000	1.100	1.084	1.035	1.071	1.122	0.955	1.015	1.053	1.024	0.995	1.002
12/31/2001	1.027	1.156	1.040	0.961	1.018	1.080	1.076	1.003	1.030	0.998	0.993
12/31/2002	1.090	1.088	1.032	0.980	1.013	1.040	0.998	1.025	1.031	1.030	0.992
12/31/2003	1.416	1.172	0.981	1.115	0.998	1.014	1.007	1.000	1.019	1.000	1.014
12/31/2004	1.129	1.021	0.958	1.026	1.003	0.972	1.016	1.008	1.003	1.004	0.984
12/31/2005	1.082	1.068	1.024	1.023	0.964	1.004	1.013	1.003	0.998	1.000	0.999
12/31/2006	1.151	0.998	1.009	1.004	1.041	1.009	1.041	1.011	1.018	0.998	
12/31/2007	1.044	1.044	1.064	1.080	0.980	1.036	0.993	0.998	0.998		
12/31/2008	1.080	1.030	1.020	1.039	1.049	1.048	1.064	1.041			
12/31/2009	1.044	1.014	1.001	1.000	1.054	1.003	1.032				
12/31/2010	1.019	1.053	1.008	0.923	1.051	1.008					
12/31/2011	1.039	1.063	0.988	1.022	1.031						
12/31/2012	1.027	0.937	0.971	1.039							
12/31/2013	0.974	1.154	0.982								
12/31/2014	1.084	0.979									
12/31/2015	1.046										
3 Yr Mean	1.035	1.023	0.980	0.995	1.045	1.020	1.030	1.017	1.005	1.001	0.999
Best 3/5	1.037	1.032	0.990	1.020	1.044	1.018	1.029	1.007	1.006	1.001	0.995

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1997	0.994	1.041	1.000	1.000	1.000	1.000	1.000	1.000
12/31/1998	1.003	1.000	1.000	1.002	0.998	1.000	1.000	1.000 *
12/31/1999	1.034	1.004	0.990	1.027	1.000	0.999	1.000 *	1.000 *
12/31/2000	0.998	1.001	0.998	1.000	0.999	1.000 *	1.000 *	1.000 *
12/31/2001	0.983	1.002	1.000	1.005	1.002 *	1.000 *	1.000 *	1.000 *
12/31/2002	1.030	1.003	1.004					
12/31/2003	0.995	0.994						
12/31/2004	1.001							
3 Yr Mean	1.009	1.000	1.001	1.011	0.999 @	1.000 @	1.000 @	1.000 @
Best 3/5	0.998	1.002	0.999	1.002	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
12/31/2012					1.044	1.018	1.029	1.007	1.006	1.001	0.995
12/31/2013				1.020	1.044	1.018	1.029	1.007	1.006	1.001	0.995
12/31/2014			0.990	1.020	1.044	1.018	1.029	1.007	1.006	1.001	0.995
12/31/2015		1.032	0.990	1.020	1.044	1.018	1.029	1.007	1.006	1.001	0.995
12/31/2016	1.037	1.032	0.990	1.020	1.044	1.018	1.029	1.007	1.006	1.001	0.995

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	0.998	1.002	0.999	1.002	1.000	1.000	1.000	1.000	1.000*	1.105
12/31/2013	0.998	1.002	0.999	1.002	1.000	1.000	1.000	1.000	1.000*	1.127
12/31/2014	0.998	1.002	0.999	1.002	1.000	1.000	1.000	1.000	1.000*	1.115
12/31/2015	0.998	1.002	0.999	1.002	1.000	1.000	1.000	1.000	1.000*	1.151
12/31/2016	0.998	1.002	0.999	1.002	1.000	1.000	1.000	1.000	1.000*	1.194

* 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
12/31/1997	157,727	122,846	167,989	148,509	149,509	156,242	157,010	189,866	194,714	174,444	221,954
12/31/1998	157,924	224,899	253,590	229,478	251,902	259,200	225,813	222,912	284,696	286,522	285,522
12/31/1999	126,641	317,779	318,867	283,866	309,479	293,503	274,445	273,947	280,945	273,945	273,945
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	126,361	142,070	179,489	193,002	260,082	377,800	491,895	473,896	511,136	547,821	575,216
12/31/2003	301,928	273,260	286,387	400,997	521,569	603,103	647,217	719,333	800,317	989,921	1,086,391
12/31/2004	271,414	148,753	234,289	358,922	445,685	636,408	620,290	908,519	1,012,477	1,091,692	1,300,429
12/31/2005	197,281	268,813	319,792	399,663	440,559	544,464	604,272	604,850	649,740	1,097,958	1,212,221
12/31/2006	329,693	314,413	429,191	574,642	694,425	791,636	765,563	789,657	977,751	1,111,968	1,015,782
12/31/2007	444,093	654,857	681,805	622,939	592,373	583,394	587,261	684,261	681,411	678,189	
12/31/2008	341,102	249,777	378,523	377,040	388,540	386,540	486,540	486,540	480,041		
12/31/2009	183,622	185,756	157,956	156,256	156,356	263,169	263,069	363,069			
12/31/2010	263,109	267,778	262,233	266,329	360,329	360,329	360,329				
12/31/2011	318,781	343,489	316,318	337,818	315,907	325,907					
12/31/2012	301,846	261,235	268,400	276,297	262,657						
12/31/2013	508,761	545,111	574,416	724,757							
12/31/2014	426,117	524,296	517,358								
12/31/2015	669,243	760,156									
12/31/2016	1,081,583										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	224,822	234,855	241,102	235,639	242,201	242,200	242,200	242,200	242,200
12/31/1998	285,637	285,637	285,637	285,637	285,637	285,637	285,637	285,637	
12/31/1999	273,945	273,945	273,945	273,945	273,945	273,945	273,945		
12/31/2000	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				
12/31/2002	574,442	569,196	569,552	575,757					
12/31/2003	1,280,210	1,300,582	1,222,192						
12/31/2004	1,292,790	1,187,108							
12/31/2005	1,201,211								

```
                        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
12/31/1997	0.779	1.367	0.884	1.007	1.045	1.005	1.209	1.026	0.896	1.272	1.013
12/31/1998	1.424	1.128	0.905	1.098	1.029	0.871	0.987	1.277	1.006	0.997	1.000
12/31/1999	2.509	1.003	0.890	1.090	0.948	0.935	0.998	1.026	0.975	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	1.124	1.263	1.075	1.348	1.453	1.302	0.963	1.079	1.072	1.050	0.999
12/31/2003	0.905	1.048	1.400	1.301	1.156	1.073	1.111	1.113	1.237	1.097	1.178
12/31/2004	0.548	1.575	1.532	1.242	1.428	0.975	1.465	1.114	1.078	1.191	0.994
12/31/2005	1.363	1.190	1.250	1.102	1.236	1.110	1.001	1.074	1.690	1.104	0.991
12/31/2006	0.954	1.365	1.339	1.208	1.140	0.967	1.031	1.238	1.137	0.913	
12/31/2007	1.475	1.041	0.914	0.951	0.985	1.007	1.165	0.996	0.995		
12/31/2008	0.732	1.515	0.996	1.031	0.995	1.259	1.000	0.987			
12/31/2009	1.012	0.850	0.989	1.001	1.683	1.000	1.380				
12/31/2010	1.018	0.979	1.016	1.353	1.000	1.000					
12/31/2011	1.078	0.921	1.068	0.935	1.032						
12/31/2012	0.865	1.027	1.029	0.951							
12/31/2013	1.071	1.054	1.262								
12/31/2014	1.230	0.987									
12/31/2015	1.136										
3 Yr Mean	1.146	1.023	1.120	1.080	1.238	1.086	1.182	1.074	1.274	1.069	1.054
Best 3/5	1.095	0.998	1.038	0.994	1.009	1.002	1.066	1.061	1.151	1.084	0.998

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1997	1.045	1.027	0.977	1.028	1.000	1.000	1.000	1.000
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
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					
12/31/2003	1.016	0.940						
12/31/2004	0.918							
3 Yr Mean	0.975	0.980	1.004	1.000	1.000 @	1.000 @	1.000 @	1.000 @
Best 3/5	0.997	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
12/31/2012					1.009	1.002	1.066	1.061	1.151	1.084	0.998
12/31/2013				0.994	1.009	1.002	1.066	1.061	1.151	1.084	0.998
12/31/2014			1.038	0.994	1.009	1.002	1.066	1.061	1.151	1.084	0.998
12/31/2015		0.998	1.038	0.994	1.009	1.002	1.066	1.061	1.151	1.084	0.998
12/31/2016	1.095	0.998	1.038	0.994	1.009	1.002	1.066	1.061	1.151	1.084	0.998

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.420
12/31/2013	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.411
12/31/2014	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.465
12/31/2015	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.462
12/31/2016	0.997	1.000	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	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	276,948	175,093	353,525	484,554	687,733	803,728	1,019,497	1,117,863	1,130,837	1,252,239	1,320,583
12/31/1998	93,603	143,477	258,898	419,295	524,305	681,129	713,853	694,991	848,370	1,138,690	1,398,101
12/31/1999	188,541	344,283	618,993	782,757	858,064	952,209	1,141,439	1,245,594	1,389,838	1,572,588	1,703,041
12/31/2000	303,570	496,985	722,201	878,051	1,101,037	1,356,903	1,776,754	1,996,270	2,170,596	2,470,894	2,642,564
12/31/2001	216,535	309,054	519,627	758,125	974,729	1,211,299	1,655,782	1,987,186	1,938,171	2,141,414	2,265,679
12/31/2002	181,645	341,083	602,624	957,722	1,088,629	1,220,860	1,310,414	1,383,922	1,445,500	1,642,839	1,833,162
12/31/2003	67,471	688,627	1,100,727	1,269,840	1,426,435	1,459,683	1,516,286	1,619,182	1,692,631	1,794,548	1,878,263
12/31/2004	167,816	324,797	508,119	782,438	906,663	1,081,638	1,113,814	1,135,397	1,166,819	1,175,000	1,234,712
12/31/2005	260,203	362,824	674,254	884,368	958,767	1,055,372	1,121,177	1,244,885	1,239,400	1,238,710	1,243,019
12/31/2006	178,573	417,601	706,797	1,015,689	1,339,711	1,704,775	1,803,005	2,175,843	2,223,719	2,313,659	2,315,254
12/31/2007	434,289	1,006,722	1,413,658	2,157,512	2,507,554	2,952,888	2,986,494	3,205,523	3,275,550	3,255,682	
12/31/2008	455,970	1,055,683	1,606,739	2,787,689	3,791,626	6,002,908	8,505,239	9,929,022	9,914,310		
12/31/2009	684,001	1,192,213	1,337,061	1,369,099	1,526,956	1,598,087	1,911,802	2,093,860			
12/31/2010	235,257	441,591	782,426	1,158,372	1,285,651	1,461,769	1,717,206				
12/31/2011	423,139	774,793	1,166,146	1,554,962	1,874,103	1,885,801					
12/31/2012	272,043	586,000	978,794	1,129,267	1,326,320						
12/31/2013	440,144	599,821	874,329	1,148,333							
12/31/2014	289,115	607,907	942,786								
12/31/2015	437,433	889,161									
12/31/2016	350,376										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	1,376,572	1,377,742	1,397,896	1,397,896	1,397,896	1,397,896	1,397,896	1,397,896	1,397,896
12/31/1998	1,405,266	1,415,030	1,427,659	1,427,383	1,427,894	1,425,384	1,425,384	1,425,384	
12/31/1999	2,100,349	2,235,293	2,395,830	2,518,468	2,535,514	2,536,240	2,536,302		
12/31/2000	2,791,939	2,904,640	2,970,150	2,916,960	2,941,496	2,966,496			
12/31/2001	2,380,396	2,467,803	2,495,673	2,585,284	2,811,773				
12/31/2002	1,925,053	2,197,675	2,356,517	2,387,504					
12/31/2003	1,938,946	1,958,213	1,981,495						
12/31/2004	1,234,376	1,246,050							
12/31/2005	1,420,020								

LOCAL PRODUCTS (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
12/31/1997	-101,855	178,432	131,029	203,179	115,995	215,769	98,366	12,974	121,402	68,344	55,989	1,170	20,154
12/31/1998	49,874	115,421	160,397	105,010	156,824	32,724	-18,862	153,379	290,320	259,411	7,165	9,764	12,629
12/31/1999	155,742	274,710	163,764	75,307	94,145	189,230	104,155	144,244	182,750	130,453	397,308	134,944	160,537
12/31/2000	193,415	225,216	155,850	222,986	255,866	419,851	219,516	174,326	300,298	171,670	149,375	112,701	65,510
12/31/2001	92,519	210,573	238,498	216,604	236,570	444,483	331,404	-49,015	203,243	124,265	114,717	87,407	27,870
12/31/2002	159,438	261,541	355,098	130,907	132,231	89,554	73,508	61,578	197,339	190,323	91,891	272,622	158,842
12/31/2003	621,156	412,100	169,113	156,595	33,248	56,603	102,896	73,449	101,917	83,715	60,683	19,267	23,282
12/31/2004	156,981	183,322	274,319	124,225	174,975	32,176	21,583	31,422	8,181	59,712	-336	11,674	
12/31/2005	102,621	311,430	210,114	74,399	96,605	65,805	123,708	-5,485	-690	4,309	177,001		
12/31/2006	239,028	289,196	308,892	324,022	365,064	98,230	372,838	47,876	89,940	1,595			
12/31/2007	572,433	406,936	743,854	350,042	445,334	33,606	219,029	70,027	-19,868				
12/31/2008	599,713	551,056	1,180,950	1,003,937	2,211,282	2,502,331	1,423,783	-14,712					
12/31/2009	508,212	144,848	32,038	157,857	71,131	313,715	182,058						
12/31/2010	206,334	340,835	375,946	127,279	176,118	255,437							
12/31/2011	351,654	391,353	388,816	319,141	11,698								
12/31/2012	313,957	392,794	150,473	197,053									
12/31/2013	159,677	274,508	274,004										
12/31/2014	318,792	334,879											
12/31/2015	451,728												

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
12/31/1997	-0.0282	0.0494	0.0363	0.0563	0.0321	0.0598	0.0273	0.0036	0.0336	0.0189	0.0155	0.0003	0.0056
12/31/1998	0.0250	0.0579	0.0804	0.0526	0.0786	0.0164	-0.0095	0.0769	0.1456	0.1301	0.0036	0.0049	0.0063
12/31/1999	0.0501	0.0884	0.0527	0.0242	0.0303	0.0609	0.0335	0.0464	0.0588	0.0420	0.1279	0.0434	0.0517
12/31/2000	0.0456	0.0531	0.0367	0.0526	0.0603	0.0990	0.0518	0.0411	0.0708	0.0405	0.0352	0.0266	0.0154
12/31/2001	0.0281	0.0639	0.0724	0.0658	0.0718	0.1349	0.1006	-0.0149	0.0617	0.0377	0.0348	0.0265	0.0085
12/31/2002	0.0683	0.1121	0.1521	0.0561	0.0567	0.0384	0.0315	0.0264	0.0846	0.0815	0.0394	0.1168	0.0681
12/31/2003	0.2115	0.1403	0.0576	0.0533	0.0113	0.0193	0.0350	0.0250	0.0347	0.0285	0.0207	0.0066	0.0079
12/31/2004	0.0550	0.0642	0.0961	0.0435	0.0613	0.0113	0.0076	0.0110	0.0029	0.0209	-0.0001	0.0041	
12/31/2005	0.0248	0.0752	0.0507	0.0180	0.0233	0.0159	0.0299	-0.0013	-0.0002	0.0010	0.0428		
12/31/2006	0.0477	0.0577	0.0616	0.0646	0.0728	0.0196	0.0744	0.0095	0.0179	0.0003			
12/31/2007	0.1065	0.0757	0.1384	0.0651	0.0829	0.0063	0.0408	0.0130	-0.0037				
12/31/2008	0.0865	0.0795	0.1704	0.1448	0.3190	0.3610	0.2054	-0.0021					
12/31/2009	0.1075	0.0306	0.0068	0.0334	0.0150	0.0663	0.0385						
12/31/2010	0.0362	0.0599	0.0660	0.0224	0.0309	0.0449							
12/31/2011	0.0555	0.0617	0.0613	0.0503	0.0018								
12/31/2012	0.0630	0.0788	0.0302	0.0395									
12/31/2013	0.0306	0.0525	0.0524										
12/31/2014	0.0578	0.0607											
12/31/2015	0.0599												
Best 3/5	0.0577	0.0608	0.0480	0.0411	0.0430	0.0436	0.0512	0.0064	0.0069	0.0168	0.0316	0.0199	0.0252

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


                                        Link Ratios
    A.Y.E.    183:171   195:183   207:195    219:207   231:219    243:231    Ult:243
  12/31/1997   1.000     1.000     1.000      1.000     1.000      1.000      1.000 *
  12/31/1998   1.000     1.000     0.998      1.000     1.000      1.000 *    1.000 *
  12/31/1999   1.051     1.007     1.000      1.000     1.000 *    1.000 *    1.000 *
  12/31/2000   0.982     1.008     1.008      1.000 *   1.000 *    1.000 *    1.000 *
  12/31/2001   1.036     1.088     1.002 *    1.000 *   1.000 *    1.000 *    1.000 *
  12/31/2002   1.013


   Best 3/5    1.016     1.005     1.001 *    1.000 *   1.000 *    1.000 *    1.000 *


  171 to Ultimate Factor:  1.022




                     Cumulative Incremental Factors
  Months-to-Ultimate     15        27        39        51        63        75        87
                        0.452     0.394     0.334     0.286     0.245     0.202     0.158

  Months-to-Ultimate     99       111       123       135       147       159       171
                        0.107     0.100     0.094     0.077     0.045     0.025     0.000




                 Reported ALAE      $500,000        ALAE     Additional    ALAE at    171-Ultimate   Ultimate
    A.Y.E       as of 3/31/17   Ultimate Indemnity  Factor      ALAE      171 Months     Factor        ALAE
  12/31/2014      1,094,430        5,686,667        0.334    1,899,341    2,993,771      1.022       3,059,493
  12/31/2015        965,324        7,809,081        0.394    3,076,789    4,042,113      1.022       4,130,884
  12/31/2016        426,716        7,293,774        0.452    3,296,788    3,723,504      1.022       3,805,255


  *  Calculated Using Modified Bondy Method
```

Multistate Review of ULAE Experience
General Liability Including CMP Liability
Loss Adjustment Expense Special Call
Calendar Years 2012 - 2016

Item *	2012	2013	2014	2015	2016	2012 - 2016 Mean
1. Direct Losses Incurred	$18,480,140	$18,521,277	$19,140,390	$24,110,646	$25,085,478	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	$5,270,137	$5,080,420	$4,727,492	$5,601,664	$4,581,304	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	$1,892,698	$2,061,866	$2,159,178	$2,371,173	$2,496,550	
4. Incurred Losses + ALAE [(1) + (2)]	$23,750,277	$23,601,697	$23,867,882	$29,712,310	$29,666,781	

Incurred Percentage

	2012	2013	2014	2015	2016	2012 - 2016 Mean
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	8.0%	8.7%	9.0%	8.0%	8.4%	8.4%

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) EXPOSURE TREND	LOCAL PRODUCTS	COMPLETED OPERATIONS	LOCAL PRODUCTS / COMPLETED OPERATIONS COMBINED
Average Annual Percent Change			
a) 7/1/2014 to 7/1/2019 AYE 12/31/2014	+ 1.3%	+ 2.8%	+ 2.6%
b) 7/1/2015 to 7/1/2019 AYE 12/31/2015	+ 1.5%	+ 3.0%	+ 2.8%
c) 7/1/2016 to 7/1/2019 AYE 12/31/2016	+ 2.1%	+ 2.9%	+ 2.8%

(2) OCCURRENCE SEVERITY	BODILY INJURY	PROPERTY DAMAGE
a) Fitted		
All Years	+ 1.9%	+ 3.5%
Eight Years	+ 1.5%	+ 4.2%
Six Years	+ 1.1%	+ 7.7%
b) Selected	+ 2.5%	+ 4.0%

(3) FREQUENCY TREND

    Selected   + 0.0%

(4) TOTAL ANNUAL NET TREND

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

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 12/31/2014, 12/31/2015 & 12/31/2016

(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
2006	1	0.957	19.526	2013	1	1.031	24.063
	2	0.963	19.645		2	1.033	24.139
	3	0.968	19.803		3	1.034	24.179
	4	0.973	20.002		4	1.036	24.225
2007	1	0.978	20.243	2014	1	1.037	24.307
	2	0.982	20.497		2	1.041	24.414
	3	0.984	20.718		3	1.044	24.541
	4	0.986	20.928		4	1.045	24.663
2008	1	0.984	21.143	2015	1	1.046	24.772
	2	0.980	21.357		2	1.047	24.918
	3	0.979	21.604		3	1.048	25.015
	4	0.981	21.880		4	1.049	25.169
2009	1	0.988	22.128	2016	1	1.050	25.308
	2	0.995	22.349		2	1.050	25.475
	3	0.999	22.502		3	1.049	25.730
	4	1.000	22.653		4	1.050	25.941
2010	1	0.996	22.806	2017	1	1.052	26.150
	2	0.993	22.928		2	1.052	26.308
	3	0.993	23.080		3P	1.054	26.489
	4	0.996	23.208		4P	1.055	26.681
2011	1	0.999	23.312	2018	1P	1.057	26.894
	2	1.004	23.427		2P	1.062	27.113
	3	1.009	23.556		3P	1.068	27.295
	4	1.012	23.638		4P	1.077	27.491
2012	1	1.016	23.715	2019	1P	1.087	27.694
	2	1.019	23.794		2P	1.097	27.902
	3	1.023	23.873		3P	1.107	28.109
	4	1.027	23.965		4P	1.115	28.310

CHANGE IN EXPOSURES		LOCAL PRODUCTS	COMPLETED OPERATIONS
7/1/2014 to 7/1/2019	(2019:4/2014:4)	1.067	1.148
7/1/2015 to 7/1/2019	(2019:4/2015:4)	1.063	1.125
7/1/2016 to 7/1/2019	(2019:4/2016:4)	1.063	1.091

AVERAGE ANNUAL TREND FACTOR			
7/1/2014 to 7/1/2019	(5.0 YRS)	1.013	1.028
7/1/2015 to 7/1/2019	(4.0 YRS)	1.015	1.030
7/1/2016 to 7/1/2019	(3.0 YRS)	1.021	1.029

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

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
12/31/2007	$39,711,106	1,624	$24,453	$25,691		
12/31/2008	40,125,244	1,496	26,822	26,168		
12/31/2009	40,025,039	1,578	25,364	26,653	$27,095	
12/31/2010	49,711,859	1,695	29,329	27,147	27,492	
12/31/2011	45,171,066	1,578	28,626	27,650	27,895	$28,185
12/31/2012	42,978,587	1,523	28,220	28,163	28,304	28,483
12/31/2013	46,577,567	1,629	28,593	28,685	28,719	28,784
12/31/2014	41,538,760	1,412	29,418	29,217	29,140	29,088
12/31/2015	32,968,872	1,171	28,154	29,759	29,567	29,395
12/31/2016	30,310,553	988	30,679	30,311	30,001	29,705

	10 Year	8 Year	6 Year
Goodness of Fit Statistic, R-Squared:	0.636	0.421	0.362

Average Annual Severity Trend (10 yr)	+ 1.9%
Average Annual Severity Trend (8 yr)	+ 1.5%
Average Annual Severity Trend (6 yr)	+ 1.1%
Selected Annual Severity Trend	+ 2.5%

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

Property Damage

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Paid Occurrences	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2007	$162,859,717	5,614	$29,010	$27,861		
12/31/2008	187,411,113	6,393	29,315	28,827		
12/31/2009	202,383,225	6,162	32,844	29,826	$28,888	
12/31/2010	189,323,631	6,300	30,051	30,860	30,102	
12/31/2011	165,611,714	6,031	27,460	31,929	31,366	$28,303
12/31/2012	168,565,382	5,338	31,578	33,036	32,684	30,471
12/31/2013	147,563,042	4,550	32,431	34,181	34,058	32,806
12/31/2014	150,892,903	4,119	36,633	35,365	35,489	35,319
12/31/2015	149,995,453	4,065	36,899	36,591	36,980	38,025
12/31/2016	153,544,465	3,752	40,923	37,859	38,533	40,939

	10 Year	8 Year	6 Year
Goodness of Fit Statistic, R-Squared:	0.672	0.627	0.954

Average Annual Severity Trend (10 yr)	+ 3.5%
Average Annual Severity Trend (8 yr)	+ 4.2%
Average Annual Severity Trend (6 yr)	+ 7.7%
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).

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 Ending	(2) Aggregate Loss Costs at Current Level	(3) Occurrences at Ultimate[1]	(4) Occurrence Frequency $(3)/(2)^2$
12/31/2003	$ 281,552,759	7,429	26.38
12/31/2004	291,285,608	8,131	27.91
12/31/2005	320,725,495	7,886	24.59
12/31/2006	342,598,346	8,439	24.63
12/31/2007	341,644,969	8,390	24.56
12/31/2008	331,317,722	8,874	26.78
12/31/2009	301,781,349	8,695	28.81
12/31/2010	287,667,011	8,923	31.02
12/31/2011	294,292,796	8,661	29.43
12/31/2012	315,415,460	8,749	27.74
12/31/2013	322,496,477	8,397	26.04
12/31/2014	333,744,160	8,115	24.32
12/31/2015	345,720,704	7,789	22.53
12/31/2016	353,178,141	7,259	20.55

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.

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 (Zi) of the individual class with respect to the class group. This is calculated based on the equation:

$$Z_i = \frac{K-3}{K}\left(\frac{\overline{P_i}}{\overline{P_i} + \frac{\Sigma^2}{T^2}}\right) + \frac{3}{K}$$

$K =$ The number of classes within the class group.

$\overline{P_i} =$ The 5 year total Mono / Multi ALCCL for class i.

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

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

*Note: The latest year of ALCCL in this filing reflects the full implementation of monoline/multiline data versus the prior filing.

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:

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

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

$$\overline{X} = \frac{\displaystyle\sum_{i=1}^{K} Z_i \overline{X}_i}{\displaystyle\sum_{i=1}^{K} Z_i}$$

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

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

$\widetilde{X}_{monoline}$ (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 1.002 results from capping.

*Note: The latest year of ALCCL in this filing reflects the full implementation of monoline/multiline data versus the prior filing.

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 *  .905 *    .862
```

CLASS	AYE 2016 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	198287	1104832	.54675	.3744	.665	.813	.634	-32.8	.067	.045	L
10145	118323	899381	.16987	.3354	.546	.667	.520	-31.3	.016	.011	L
10146	49346	427161	.43688	.2242	.669	.818	.638	-32.0	.025	.017	L
10352	54691	307822	.33121	.1899	.659	.806	.629	-34.0	.100	.066	L
11039	425908	2480791	.88189	.5510	.816	.998	.779	-22.2	.072	.056	
11258	67172	190371	.12853	.1531	.643	.786	.613	-33.3	.390	.260	L
11259	1198	3420	.00000	.0870	.672	.822	.641	-33.6	.220	.146	L
11288	96674	596095	.88913	.2680	.777	.950	.741	-25.8	.097	.072	
12374	306062	1238653	.58269	.3975	.675	.825	.644	-33.3	.093	.062	L
12375	163413	930708	.51273	.3417	.659	.806	.629	-33.3	.063	.042	L
13673	422822	2431855	.96723	.5465	.862	1.054	.822	-18.8	.016	.013	
13720	42693	300416	.37197	.1877	.667	.815	.636	-33.7	.089	.059	L
14401	49783	326128	.73252	.1953	.735	.899	.701	-29.6	.115	.081	
15224	119664	689690	.93016	.2902	.792	.968	.755	-24.7	.077	.058	
16900	758844	4234761	.78593	.6698	.769	.940	.733	-27.0	.122	.089	
16901	2425687	12291415	1.05720	.8510	1.009	1.233	.962	-4.0	.126	.121	
16902	232556	1032074	.59971	.3612	.687	.840	.655	-33.3	.138	.092	L
16905								-27.0	.122	.089	
16906								-4.0	.126	.121	
16910	3699792	16350786	.80670	.8832	.798	.976	.761	-23.8	.084	.064	
16911	201838	1201077	.88579	.3912	.794	.971	.757	-24.6	.069	.052	
16915	126461	721030	1.07366	.2974	.836	1.022	.797	-20.8	.077	.061	
16916	1392666	8154549	.70815	.7925	.714	.873	.681	-32.0	.075	.051	
16920	25134	121720	.88376	.1300	.755	.923	.720	-27.8	.194	.140	
16921	2453	10368	.00000	.0897	.670	.819	.639	-33.3	.108	.072	L
16930	118204	397652	1.36077	.2160	.871	1.065	.831	-16.9	.243	.202	
16931	73207	160507	.14811	.1432	.651	.796	.621	-33.6	.134	.089	L
16940	1239	6876	.00000	.0883	.671	.820	.640	-33.3	.108	.072	L
16941	38597	148643	.19015	.1392	.660	.807	.630	-33.5	.191	.127	L
18435	263949	1840585	.93621	.4831	.833	1.018	.794	-20.4	.054	.043	
18436	23101	148508	.27391	.1391	.671	.820	.640	-33.7	.246	.163	L
18501	553025	3298274	.70684	.6155	.718	.878	.685	-29.4	.017	.012	
45900	83212	542277	.00000	.2546	.548	.670	.523	-33.7	.086	.057	L
49617	696127	2831259	1.06618	.5811	.928	1.134	.885	-11.6	.216	.191	
57001	25253	180388	2.39489	.1498	.984	1.203	.938	-6.3	.016	.015	

```
X-TILDE:   .821    X-TILDE (MONOLINE):   .818    PI-TILDE: .0050174
TAU SQUARED:  .03000    SIGMA SQUARED:    71811.72971


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 * 1.001 *   .862
```

	AYE 2016 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)	
CLASS											
10026	8977	51665	1.89428	.0922	.990	1.052	.908	-7.4	.027	.025	
10042	1468750	7080456	1.09661	.8481	1.066	1.133	.978	-2.9	.340	.330	
10060	7480	23287	.00000	.0735	.832	.884	.763	-23.5	.132	.101	
10065	39671	248202	.10774	.2030	.738	.784	.676	-32.7	.052	.035	
10066	7270	23978	4.43202	.0740	1.159	1.232	1.063	6.9	.072	.077	
10071	946611	3763833	.90703	.7497	.905	.962	.830	-16.8	.155	.129	
10073	12508020	49487044	.95071	.9748	.949	1.009	.871	-13.3	.600	.520	
10075	1994	23601	.09067	.0738	.838	.891	.769	-23.0	.270	.208	
10107	109921	496210	.57130	.3094	.797	.847	.731	-26.9	.320	.234	
10115	112259	435529	.49496	.2861	.783	.832	.718	-28.0	.125	.090	
10309	47300	224545	.16001	.1911	.757	.804	.694	-30.3	.033	.023	
11020	7976	46570	18.50331	.0889	2.463	2.617	2.258	25.0	.100	.125	U
11127	139627	773967	.49374	.3993	.737	.783	.676	-33.3	.015	.010	
11128	36510	181997	1.64101	.1688	1.023	1.087	.938	-6.0	.083	.078	
11204	34474	159836	1.43761	.1567	.983	1.045	.902	-9.6	2.080	1.880	
11234	48341	224340	.35574	.1910	.794	.844	.728	-26.9	.108	.079	
12014	35983	253242	.05449	.2055	.725	.770	.664	-33.8	.065	.043	
12356	16756	93346	.14522	.1182	.809	.860	.742	-26.2	.042	.031	
12510	10301	57630	.00000	.0960	.812	.863	.745	-24.4	.041	.031	
12805	899411	5579651	1.11128	.8152	1.072	1.139	.983	-1.8	.114	.112	
13351	737848	4635706	1.20547	.7861	1.140	1.211	1.045	5.0	.040	.042	
13352	21258	75492	.33635	.1072	.838	.891	.769	-22.4	.067	.052	
13506	131093	654703	.93026	.3637	.910	.967	.834	-16.7	.090	.075	
13507	137319	424020	.86104	.2815	.888	.944	.815	-18.7	.219	.178	
13716	1135716	5119152	.87699	.8021	.881	.936	.808	-19.0	.184	.149	
13759	33865	147150	.01922	.1496	.766	.814	.702	-29.9	.197	.138	
14101	18666	104002	.80939	.1246	.887	.943	.814	-18.8	.048	.039	
14279	212718	1326239	.17813	.5227	.522	.555	.479	-33.7	.095	.063	L
14913	79943	349968	1.25429	.2504	.987	1.049	.905	-9.2	.131	.119	
15538	28829	169906	.11785	.1623	.771	.819	.707	-30.0	.030	.021	
15600	6499	39217	.00000	.0841	.822	.874	.754	-24.7	.146	.110	
15608	2164	18832	.00000	.0706	.835	.887	.765	-21.4	.014	.011	
15839	24626	188006	.11440	.1720	.763	.811	.700	-28.6	.035	.025	
15991	62656	343606	.55692	.2476	.814	.865	.746	-25.4	.118	.088	
15993	12875	62501	1.94733	.0991	1.002	1.065	.919	-8.6	.058	.053	
16403	105004	561795	.39196	.3330	.729	.775	.669	-33.3	.186	.124	
16676	2153	13644	.00447	.0670	.838	.891	.769	-23.8	.021	.016	

```
X-TILDE:   .939    X-TILDE (MONOLINE):   .941    PI-TILDE: .0026908
TAU SQUARED:  .14264    SIGMA SQUARED:   194160.73471


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 * 1.001 *    .862


                        5 YEAR                                        STATE-
           AYE 2016  5 YEAR   MONO/MULTI                              WIDE     PRESENT   PROPOSED
           MONO/MULTI MONO/MULTI EXPERIENCE      FORMULA      CHANGE  %        STATEWIDE STATEWIDE
           ALCCL     ALCCL    RATIO       CRED.  ER    INDEX  FACTOR  CHANGE   OCCUR     OCCUR
CLASS      (1)       (2)      (3)         (4)    (5)   (6)    (7)     (8)      (9)       (10)
-----      ---------- ---------- ---------- ------ ------- ----- ------- ------ --------- ---------
18078      103538     550925    1.75756     .3292  1.181 1.255  1.083    8.1     .186      .201
18109        650       3985      .00000     .0604   .844  .897   .774   -23.3    .043      .033
18110      162883     581934     .39153     .3399   .726  .772   .666   -32.9    .070      .047
18206      547763    2929357    1.01673     .7010   .981 1.043   .900    -9.6    .114      .103
18335       15694     104812     .06048     .1251   .793  .843   .727   -25.8    .031      .023
18506         109       385      .00000     .0580   .846  .899   .776   -22.2    .009      .007
18507        1583      12995     .00000     .0666   .838  .891   .769   -27.3    .011      .008
18708       14389      58457     .93852     .0965   .902  .959   .827   -18.8    .016      .013
18834       10003      50396     .00000     .0913   .816  .867   .748   -25.1    .195      .146
18911        9121      65652     .18601     .1010   .826  .878   .758   -24.1    .029      .022
18912        1572       6278    1.39599     .0620   .929  .987   .852   -15.4    .039      .033
18920         856      20608     .00000     .0717   .834  .886   .764   -22.2    .027      .021
45819     1040440    4330772     .66443     .7747   .717  .762   .658   -33.3    .102      .068  L
49618         526       3237     .00000     .0599   .844  .897   .774   -22.6    .062      .048
49619      192202     887519    1.11937     .4296   .993 1.055   .910    -9.3    .107      .097
```

```
X-TILDE:   .939    X-TILDE (MONOLINE):   .941    PI-TILDE: .0026908
TAU SQUARED:  .14264    SIGMA SQUARED:   194160.73471

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: 11
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX *  1.006 *    0.862
```

			5 YEAR					STATE-			
	AYE 2016	5 YEAR	MONO/MULTI					WIDE	PRESENT	PROPOSED	
	MONO/MULTI	MONO/MULTI	EXPERIENCE		FORMULA		CHANGE	%	STATEWIDE	STATEWIDE	
	ALCCL	ALCCL	RATIO	CRED.	ER	INDEX	FACTOR	CHANGE	OCCUR	OCCUR	
CLASS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
92053	0	0	.00000	.0000	.000	.000	.000	-13.2	.530	.460	
92054	0	23	.00000	.1250	.762	.871	.755	-25.0	.360	.270	
92055	1487	5960	.00000	.1256	.761	.870	.754	-25.7	.350	.260	
95124	700918	4868103	.75676	.4454	.820	.937	.813	-18.8	.800	.650	
98303	104698	500895	1.32941	.1741	.951	1.087	.943	-5.7	8.050	7.590	
98304	3558191	13556892	.92455	.6646	.907	1.037	.899	-10.2	4.210	3.780	
98305	3155431	13224887	.96847	.6594	.935	1.069	.927	-7.3	1.640	1.520	
98306	40083	128104	.08971	.1381	.763	.872	.756	-24.3	1.150	.870	
98307	1987	13271	.18612	.1264	.784	.777	.896	-23.0	.610	.470	
98308	294632	1588113	1.66180	.2638	1.080	1.234	1.070	6.6	.610	.650	
98309	45596	198615	.20264	.1451	.774	.885	.767	-23.4	3.290	2.520	
98344	64455	305562	.88961	.1556	.874	.999	.866	-13.5	.740	.640	
98449	2077693	9307611	1.06182	.5842	.982	1.122	.973	-2.5	19.800	19.300	
98805	292010	1393192	.50745	.2491	.780	.891	.773	-22.4	1.430	1.110	
98813	461183	2313567	1.09311	.3135	.941	1.075	.932	-6.9	2.180	2.030	
98967	1500298	6608153	.71737	.5096	.793	.906	.786	-21.5	7.830	6.150	
99003	41918	175115	3.89122	.1428	1.302	1.488	1.290	25.0	1.240	1.550	U
99826	35278	221634	.53260	.1474	.821	.938	.813	-18.6	.590	.480	
99827	108383	600510	.32760	.1832	.771	.881	.764	-23.9	.710	.540	
99948	3391513	15611786	.84818	.6933	.855	.977	.847	-15.3	26.800	22.700	
99952	509600	1697613	1.22019	.2717	.966	1.104	.957	-4.1	19.700	18.900	
99953	289598	1206812	.84830	.2346	.866	.990	.859	-14.1	11.200	9.620	
99954	205852	877864	1.13265	.2076	.925	1.057	.917	-8.1	12.400	11.400	
99955	1631188	7651393	.40225	.5414	.617	.705	.611	-33.5	16.100	10.700	L

```
X-TILDE:   .877    X-TILDE (MONOLINE):   .875    PI-TILDE: .0073666
TAU SQUARED:  .03000    SIGMA SQUARED:   252806.36114


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: 12
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.012 *    .862
```

	AYE 2016 MONO/MULTI ALCCL	5 YEAR MONO/MULTI ALCCL	5 YEAR MONO/MULTI EXPERIENCE RATIO	CRED.	FORMULA ER	INDEX	CHANGE FACTOR	STATE-WIDE % CHANGE	PRESENT STATEWIDE OCCUR	PROPOSED STATEWIDE OCCUR
CLASS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
91111	2603877	12358249	.93564	.5428	.889	1.033	.901	-9.9	6.680	6.020
91150	1452980	6761910	.86902	.4029	.848	.985	.859	-14.0	5.840	5.020
91155	5301756	24049248	.97095	.6931	.929	1.079	.941	-5.9	30.600	28.800
91340	23646839	104515618	.84938	.9059	.848	.985	.859	-14.1	8.500	7.300
91341	8887090	37296620	.96654	.7763	.937	1.088	.949	-5.0	3.780	3.590
91342	12342914	54900693	.91947	.8356	.905	1.051	.917	-8.3	4.120	3.780
91343	385482	1783031	1.45075	.1796	.944	1.096	.956	-4.3	1.380	1.320
91436	378707	1713506	.56507	.1752	.786	.913	.796	-20.5	3.370	2.680
91507	55013	302090	.02523	.0768	.771	.895	.781	-22.0	3.860	3.010
91551	1086255	6208553	.57600	.3843	.734	.852	.743	-25.9	.850	.630
91555	268006	1154448	.18926	.1389	.744	.864	.754	-24.8	1.410	1.060
91560	12026964	58729699	.96570	.8446	.945	1.098	.958	-4.3	4.230	4.050
91577	1856362	8885829	.67293	.4650	.759	.882	.769	-23.0	3.560	2.740
91746	4483559	18435814	.75001	.6356	.780	.906	.790	-21.1	7.170	5.660
92101	597702	3081050	.99170	.2525	.873	1.014	.885	-11.3	2.820	2.500
92102	564819	3525614	.78485	.2745	.820	.952	.830	-17.1	2.920	2.420
92215	10826439	47113488	.94381	.8138	.923	1.072	.935	-6.5	3.530	3.300
92338	4489233	19250307	.97078	.6452	.922	1.071	.934	-6.8	1.900	1.770
92446	226363	1747527	.55512	.1774	.784	.911	.795	-20.3	1.970	1.570
92447	50244	351929	.05095	.0807	.770	.894	.780	-21.9	2.010	1.570
92451	2367832	13974522	.94202	.5718	.896	1.041	.908	-9.0	2.220	2.020
92478	20261471	94824005	.89096	.8973	.885	1.028	.897	-10.1	2.080	1.870
94007	10796051	46910515	.73884	.8131	.757	.879	.767	-23.3	5.750	4.410
94276	1835226	9283341	.84790	.4753	.840	.976	.851	-14.9	5.030	4.280
94569	2252546	12946848	.78339	.5538	.806	.936	.817	-18.2	2.970	2.430
95410	6342267	29393417	.95271	.7331	.921	1.070	.933	-6.8	2.790	2.600
95455	1207968	6105620	.68443	.3807	.777	.902	.787	-21.1	1.940	1.530
95505	112764	584471	.04835	.0984	.756	.878	.766	-23.3	2.750	2.110
95625	1268223	6451646	.87320	.3926	.849	.986	.860	-13.9	3.320	2.860
95647	34365888	149714558	.87364	.9323	.871	1.012	.883	-11.8	6.540	5.770
96053	540966	2642410	.70754	.2293	.805	.935	.816	-18.4	4.560	3.720
96410	1851943	8705911	.78429	.4603	.811	.942	.822	-17.8	9.900	8.140
96611	272858	1238102	1.98136	.1445	.999	1.160	1.012	1.4	1.450	1.470
97447	7605898	35585755	.87716	.7682	.867	1.007	.878	-12.2	4.360	3.830
97650	529778	2316117	.65672	.2111	.796	.925	.807	-19.4	4.690	3.780
97651	367378	1461851	.54292	.1593	.787	.914	.797	-20.2	4.400	3.510
97652	69246	311684	.18957	.0776	.783	.909	.793	-20.8	5.060	4.010

```
X-TILDE:    .859    X-TILDE (MONOLINE):    .861    PI-TILDE: .0032943
TAU SQUARED:   .03000    SIGMA SQUARED:    345782.66483


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: 12
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.012 *    .862
```

	AYE 2016 MONO/MULTI ALCCL	5 YEAR MONO/MULTI ALCCL	5 YEAR MONO/MULTI EXPERIENCE RATIO	CRED.	FORMULA ER	INDEX	CHANGE FACTOR	STATE-WIDE % CHANGE	PRESENT STATEWIDE OCCUR	PROPOSED STATEWIDE OCCUR
CLASS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
97653	658099	3054647	1.04822	.2511	.887	1.030	.899	-10.2	2.540	2.280
97654	108958	575377	.43429	.0977	.794	.922	.804	-19.7	3.700	2.970
97655	1623951	7618159	.68450	.4296	.769	.893	.779	-22.2	5.460	4.250
98002	156404	563232	.00000	.0968	.753	.875	.763	-23.4	1.410	1.080
98482	27390139	137289384	.84244	.9266	.842	.978	.853	-14.8	7.790	6.640
98483	35379931	157305085	.86239	.9353	.861	1.000	.872	-12.6	19.900	17.400
98502	396314	1946182	.85496	.1895	.838	.973	.849	-15.1	4.100	3.480
98636	2339998	10451421	.94860	.5032	.891	1.035	.903	-9.6	4.270	3.860
98677	4961497	24400713	.72664	.6961	.759	.882	.769	-23.1	10.400	8.000
98678	3388213	15193455	.74831	.5913	.783	.909	.793	-20.5	16.100	12.800
98806	723488	3991573	.69835	.2963	.793	.921	.803	-19.6	3.720	2.990
98820	3580066	17449555	.71332	.6232	.759	.882	.769	-23.2	4.270	3.280
98884	1668551	10562965	.74569	.5057	.789	.916	.799	-20.0	1.450	1.160
99004	41768	201117	.98270	.0689	.844	.980	.855	-14.6	1.990	1.700
99080	948197	4051250	1.26807	.2990	.963	1.118	.975	-2.5	7.200	7.020
99315	1042958	5854899	.67712	.3718	.775	.900	.785	-21.4	1.820	1.430
99321	2341812	12259858	.80462	.5409	.818	.950	.829	-17.1	2.810	2.330
99613	1468799	7457116	.72780	.4248	.789	.916	.799	-20.1	2.780	2.220
99650	584923	3025828	1.05060	.2496	.888	1.031	.899	-9.7	.930	.840
99746	3511502	16136920	.76505	.6053	.792	.920	.803	-19.8	3.180	2.550

```
X-TILDE:   .859    X-TILDE (MONOLINE):   .861    PI-TILDE: .0032943
TAU SQUARED:  .03000    SIGMA SQUARED:   345782.66483

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: 13
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX *  .931 *    .862
```

| | AYE 2016 MONO/MULTI ALCCL | 5 YEAR MONO/MULTI ALCCL | 5 YEAR MONO/MULTI EXPERIENCE RATIO | CRED. | FORMULA ER | INDEX | CHANGE FACTOR | STATE-WIDE % CHANGE | PRESENT STATEWIDE OCCUR | PROPOSED STATEWIDE OCCUR | |
CLASS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
91125	55698	192269	.05276	.1529	.525	.765	.614	-33.9	3.660	2.420	L
91127	1381435	7815806	.62044	.6839	.617	.899	.721	-27.9	2.220	1.600	
91235	496192	3637788	.75045	.5184	.683	.996	.799	-20.2	2.570	2.050	
91265	29393	272391	.00674	.1676	.509	.742	.595	-33.9	3.300	2.180	L
91266	242243	1213434	.33287	.3084	.525	.765	.614	-33.6	1.400	.930	L
91280	16049	113203	.00000	.1378	.526	.767	.616	-33.9	4.160	2.750	L
94381	2346975	13601157	.69623	.7858	.678	.988	.793	-20.8	15.400	12.200	
94404	88283	442945	.39595	.1972	.568	.828	.664	-33.5	6.470	4.300	
95310	576182	2971454	.26415	.4746	.446	.650	.522	-33.9	2.360	1.560	L
96408	1959746	8131147	.59329	.6919	.599	.873	.701	-29.9	20.400	14.300	
96409	2153179	10802975	.93986	.7462	.856	1.248	1.002	0.0	10.200	10.200	
97221	1672976	7629751	.55527	.6790	.573	.835	.670	-33.2	2.020	1.350	
97222	6094296	29512694	.65677	.8864	.652	.950	.762	-23.8	3.400	2.590	
97223	3784746	17925810	.85101	.8274	.809	1.179	.946	-5.5	3.620	3.420	
98152	391247	2734585	.95966	.4570	.770	1.122	.900	-11.1	.360	.320	
98157	108988	851921	.60215	.2604	.608	.886	.711	-28.6	.560	.400	
98163	8213	64596	.00000	.1283	.532	.776	.623	-32.5	.400	.270	L
98164	32541	147054	.00000	.1443	.522	.761	.611	-33.9	.127	.084	L
98659	417	2963	.00000	.1160	.540	.787	.632	-33.8	.710	.470	L
98914	558	2342	.00000	.1159	.540	.787	.632	-33.3	1.080	.720	L
98949	2142	12747	.00000	.1180	.538	.784	.629	-32.7	.550	.370	L
98993	1810480	9241629	.61037	.7170	.610	.889	.713	-28.6	6.460	4.610	
99163	1212	7114	.00000	.1168	.539	.786	.631	-33.3	.810	.540	L
99803	14980	136088	.49614	.1422	.594	.866	.695	-30.5	9.940	6.910	
99946	2842897	14568291	.76061	.7967	.730	1.064	.854	-14.6	3.160	2.700	
99969	593535	3994473	.92502	.5390	.780	1.137	.912	-8.7	1.950	1.780	

```
X-TILDE:   .703    X-TILDE (MONOLINE):   .686     PI-TILDE: .0069035
TAU SQUARED:  .03000    SIGMA SQUARED:   130394.21986


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

TENNESSEE GL-2018-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
LEVEL CHANGES

The statewide advisory loss cost level changes are:

SUBLINE	INDICATED	SELECTED
M&C	+ 1.0%	+ 1.0%
OL&T	+ 3.4%	+ 3.4%
Premises/Operations	+ 2.3%	+ 2.3%
Products	- 7.4%	- 7.4%
Local Products/Completed Operations	- 14.0%	- 14.0%
Products/Completed Operations	- 11.9%	- 11.9%
GL Overall	- 1.0%	- 1.0%

INDICATED
VS. SELECTED

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

HISTORICAL
SOURCE DATA

The sources of the data underlying this loss cost review are:

ISO reporting companies' voluntary experience.
Fiscal - accident year data through year ended 6/30/2017 for Premises/Operations.
Calendar - accident year data through year ended 12/31/2016 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.

CHANGES TO
METHODOLOGY

When calculating the statewide loss cost level change indication, the expected experience ratio no longer includes the selected change from the last review divided by the implemented change.

CALL TO CALL COMPARISON	Manufacturers and Contractors	The Aggregate Loss Costs at Current Level (ALCCL) decreased by an average of 4.1%, 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 6.8% decrease in ALCCL;
- Implemented loss cost level change (+ 5.5%);
- A change in exposure trend plus an additional year of trending (+ 3.2%);
- The effect on ALCCL due to a change in average IPMFs (- 3.4%).

The Basic Limit Experience Ratio varied within reasonable limits.

	Owners, Landlords and Tenants	The Aggregate Loss Costs at Current Level (ALCCL) decreased by an average of 8.5%, 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 1.1% decrease in ALCCL;
- Implemented loss cost level change (- 6.3%);
- A change in exposure trend plus an additional year of trending (- 0.1%);
- The effect on ALCCL due to a change in average IPMFs (- 1.2%).

The Basic Limit Experience Ratio varied within reasonable limits.

	Products	Multistate ALCCL decreased by an average of 7.0% over the four common years in the latest call. This can be accounted for by the following changes since the prior review:

- A change in company mix which caused a 1.2% decrease in ALCCL;
- Implemented an average loss cost level change of approximately - 8.5% in most states;
- A change in exposure trend plus an additional year of trending of + 1.8%;
- The effect on ALCCL due to a change in average IPMFs (+ 1.3%).

The BLERs increased mainly due to the implemented average loss cost level change.

CALL TO CALL COMPARISON (Cont'd)	Local Products/ Completed Ops	Multistate ALCCL decreased by an average of 9.6% 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 6.2% decrease in ALCCL;
- Implemented an average loss cost level change of approximately -5.9% in most states;
- A change in exposure trend plus an additional year of trending of + 2.9%;
- The effect on ALCCL due to a change in average IPMFs (- 1.6%).

The BLERs increased mainly due to the implemented average loss cost level change.

LATEST CALL YEAR TO YEAR COMPARISON	Manufacturers and Contractors	The ALCCL increased steadily from 2013 to 2017. The high BLER for 2015 (1.116) is attributable to unfavorable experience in several class groups.
	Owners, Landlords and Tenants	The ALCCL decreased from 2013 to 2014 and then increased thereafter. The BLER varied within reasonable limits.
	Products	The ALCCL increased steadily from 2012 to 2016. The BLER decreased steadily from 2012 to 2016.
	Local Products/ Completed Ops	The ALCCL increased steadily from 2012 to 2016. The BLER decreased steadily from 2012 to 2016.

LOSS DEVELOPMENT FACTOR COMPARISON	Manufacturers and Contractors	The BI and PD indemnity loss development factors for the 2018 review increased slightly compared to those in the 2017 review.
		The multistate full coverage BI and PD indemnity factors remained stable compared to the 2017 review.
		The multistate deductible coverage BI and PD indemnity factors remained stable compared to the 2017 review.
		The multistate Fringe indemnity factors have increased compared to the 2017 review.
	Owners, Landlords and Tenants	The BI indemnity loss development factors for the 2018 review remained stable compared to those in the 2017 review. The PD indemnity loss development factors for the 2018 review decreased slightly compared to those in the 2017 review.
		The multistate full coverage BI and PD Indemnity factors remained stable compared to those in the 2017 review.
		The multistate deductible coverage BI and PD Indemnity factors remained stable compared to the 2017 review.
		The multistate Fringe indemnity factors remained stable compared to the 2017 review.
	Products	The multistate full coverage BI and PD indemnity development factors for the 2018 review remained stable compared to those in the 2017 review.
		The multistate deductible coverage BI and PD indemnity development factors have decreased compared to the 2017 review. The fluctuations in these factors are due to the low volume of the deductible coverage data.

| LOSS DEVELOPMENT FACTOR COMPARISON (Cont'd) | Local Products/ Completed Ops | For Local Products, the multistate full coverage BI and PD indemnity development factors in this review have decreased compared to those in the 2017 review. The multistate deductible coverage BI indemnity development factors have increased compared to the 2017 review for the latest four years. The earlier years remained stable. The multistate deductible coverage PD indemnity development factors have decreased compared to the 2017 review. The fluctuations in these factors are due to the low volume of the deductible coverage data. |
| | | |

For Completed Operations, the full coverage BI indemnity loss development factors for the 2018 review remained stable compared to those in the 2017 review, except for the 27 months-to-ultimate factors which decreased by 19.0%. This can largely be attributed to lower 27-to-39 and 39-to-51 months state link ratios. The full coverage PD indemnity loss development factors for the 2018 review remained stable compared to those in the 2017 review.

The Completed Operations multistate full coverage BI indemnity factors have decreased compared to those in the 2017 review except for the second to last year, which remained stable. The multistate full coverage PD indemnity factors have decreased compared to those in the 2017 review. The multistate deductible coverage BI indemnity factors have decreased compared to those in the 2017 review. The multistate deductible coverage PD indemnity factors remained stable compared to those in the 2017 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%, up from +4.0% in the previous Fiscal review.
		The PD severity trend selection is +4.0%, unchanged from +4.0% in the previous Fiscal review.
		The Fringe severity trend selection is +0.5%, down from +1.0% in the previous Fiscal review.
	Owners, Landlords and Tenants	The BI severity trend selection is +4.0%, down 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 selection is +2.5%, down from +4.5% in the previous Fiscal review.
	Products	The BI severity trend selection is +2.5%, unchanged from +2.5% in the previous review.
		The PD severity trend selection is +6.5%, unchanged from +6.5% in the previous review.
	Local Products/ Completed Ops	The BI severity trend selection is +2.5%, down from +3.0% in the previous review.
		The PD selected severity trend is +4.0%, unchanged from +4.0% in the previous review.

FREQUENCY TREND COMPARISON	We have selected a frequency trend of -0.5% for Manufacturers & Contractors, -1.5% for Owners, Landlords and Tenants, -1.0% for Products, and 0.0% for Local Products/Completed Operations. This is consistent with our conservative approach toward frequency trend selections. This conservatism reflects the difficulty of predicting turning points for cyclical and volatile data along with the amplifying effects that varying frequency trend selections have on indicated loss cost level changes.

	Manufacturers and Contractors	The latest frequency point is lower than the prior point.
	Owners, Landlords and Tenants	The latest frequency point is higher than the prior point.
	Products	The latest frequency point is lower than the prior point.
	Local Products/ Completed Ops	The latest frequency point is lower than the prior point.
EXPOSURE TREND COMPARISON	Manufacturers and Contractors	The exposure trend factors for Manufacturers are higher than those used in the previous review for the latest two years. The earliest year's factor remained the same. The exposure trend factors for Contractors are higher than those used in the previous review all three years.
	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. For Class Group 16, the exposure trend factors for the earliest two years are higher than the previous review and remains the same for the latest year.
	Products	The exposure trend factors are higher than those used in the previous review all three years.
	Local Products/ Completed Ops	The exposure trend factors for Local Products are higher than those used in the previous review for all three years. The exposure trend factors for Completed Operations are higher than those used in the previous review for the earliest two years and the same for the latest year.

WEIGHTED AVERAGE IMPLICIT PACKAGE MODIFICATION FACTOR (IPMF) COMPARISON	Manufacturers and Contractors	The current weighted average IPMF is 0.925. In the 2017 review the weighted average IPMF was 0.973.
	Owners, Landlords and Tenants	The current weighted average IPMF is 0.978. In the 2017 review the weighted average IPMF was 0.994.
	Products	The current multistate weighted average IPMF is 0.815. In the 2017 review the multistate weighted average IPMF was 0.799.
	Local Products/ Completed Ops	The current multistate weighted average IPMF is 0.980. In the Group 3, 2017 review the multistate weighted average IPMF was 0.999.

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 relative changes for Owners, Landlords and Tenants vary within reasonable limits.
	For Local Products, Tennessee's state balanced relative change (0.960) ranks 14th lowest overall. In last year's review, Tennessee's state balanced relative change (0.960) ranked 11th lowest overall.

CHANGE IN COMPANY MIX SINCE LAST CALL	For Manufacturers and Contractors the change in company mix results in an average decrease of 6.8% in the total statewide ALCCL.
	For Owners, Landlords and Tenants, the change in company mix results in an average decrease of 1.1% in the total statewide ALCCL.
	For Products, the change in company mix results in a 1.2% decrease in the total multistate ALCCL.
	For Local Products/Completed Operations, the change in company mix results in a 6.2% decrease in the total multistate ALCCL.

CLASSES 10010–15063   COMMERCIAL LINES MANUAL   TENNESSEE (41)
PREM/OPS TERR. 501   DIVISION SIX
PROD/COPS   GENERAL LIABILITY
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
10010	.074	.224	10205	.158	–	11210	2.70	–	13207	(a)	(a)
10015	4.48	–	10220	2.98	–	11211	14.00	–	13208	(a)	(a)
10020	(a)	(a)	10255	.214	.152	11212	2.12	–	13314	.076	.02
10026	.41	.025	10256	.78	.158	11213	1.73	–	13351	.184	.042
10036	.58	(a)	10257	.148	.187	11214	4.26	–	13352	.188	.052
10040	.056	.30	10309	.102	.023	11222	.072	–	13410	1.23	2.55
10042	.234	.33	10315	.24	(a)	11234	.178	.079	13411	(a)	(a)
10052	3.09	–	10331	6.07	–	11248	.041	.022	13412	.42	1.11
10054	2.75	–	10332	10.50	–	11258	1.10	.26	13453	.48	(a)
10060	.112	.101	10352	.53	.066	11259	1.18	.146	13454	.56	(a)
10065	.168	.035	10367	3.61	–	11273	8.81	–	13455	.57	(a)
10066	.171	.077	10368	5.28	–	11274	8.46	–	13461	(a)	(a)
10070	.042	.141	10375	(a)	–	11288	1.35	.072	13506	.58	.075
10071	.201	.129	10378	6.14	–	12014	.088	.043	13507	.70	.178
10072	4.09	–	10379	2.85	–	12356	.75	.031	13590	.42	.77
10073	.90	.52	10380	4.87	–	12361	.053	.091	13621	.107	.42
10075	6.67	.208	10381	4.22	–	12362	.047	(a)	13670	.029	.013
10100	.92	.045	11007	1.54	–	12373	.018	.031	13673	.84	.013
10101	.151	.191	11020	.191	.125	12374	.39	.062	13715	.047	.151
10105	1.64	–	11039	.78	.056	12375	.191	.042	13716	.29	.149
10107	2.75	.234	11052	4.08	–	12391	.035	.10	13720	.47	.059
10110	15.20	–	11101	(a)	(a)	12393	.25	(a)	13759	.112	.138
10111	.093	.098	11120	(a)	–	12467	.105	(a)	13930	.099	.205
10113	.227	–	11126	.039	.024	12509	.054	.047	14068	.025	.018
10115	.45	.09	11127	.236	.01	12510	.68	.031	14101	.29	.039
10117	4.44	–	11128	.32	.078	12583	.30	(a)	14279	.41	.063
10119	(a)	–	11138	1.52	–	12651	.88	.56	14401	1.11	.081
10120	9.97	–	11155	.135	–	12683	.40	(a)	14405	.90	–
10130	2.23	–	11160	(a)	(a)	12707	.31	.79	14527	.189	.202
10132	1.93	–	11167	.94	–	12797	.064	.168	14655	.056	–
10133	3.92	–	11168	4.87	–	12805	.204	.112	14731	4.04	–
10135	(a)	–	11201	13.40	–	12841	.34	–	14732	.30	–
10140	.024	.02	11202	3.97	–	12927	.059	–	14733	.39	–
10141	.048	.022	11203	.55	.65	13049	.027	.058	14734	.168	–
10145	.233	.011	11204	.197	1.88	13111	1.02	.113	14855	.188	.20
10146	.41	.017	11205	(a)	–	13112	.045	.083	14913	.211	.119
10150	.31	(a)	11206	.62	–	13201	.78	.201	15060	(a)	(a)
10151	7.87	–	11207	7.88	–	13204	.88	1.24	15061	(a)	(a)
10160	1.40	–	11208	1.35	–	13205	.34	.45	15062	.169	(a)
10204	.142	–	11209	6.34	–	13206	(a)	(a)	15063	.197	(a)

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501											
Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
15070	.121	–	**16750**	.066	.041	**18707**	.007	.003	**40117**	(a)	–
15119	(a)	–	**16751**	.066	–	**18708**	.072	.013	**40140**	(a)	–
15120	(a)	–	**16819**	1.02	(a)	**18833**	.083	(a)	**41001**	.167	–
15123	3.91	–	**16820**	.79	(a)	**18834**	.188	.146	**41210**	(a)	–
15124	1.37	–	**16881**	1.03	(a)	**18911**	.59	.022	**41421**	.36	–
15188	.30	(a)	**16890**	.12	(a)	**18912**	1.12	.033	**41422**	.191	–
15223	.035	.035	**16891**	.131	(a)	**18920**	.29	.021	**41510**	29.80	–
15224	.50	.058	**16892**	.238	(a)	**18991**	(a)	–	**41603**	17.00	–
15300	(a)	–	**16900**	2.07	.089	**19007**	1.53	–	**41604**	9.33	–
15314	.135	(a)	**16901**	1.33	.121	**19051**	3.39	–	**41620**	1.13	–
15404	.077	(a)	**16902**	1.13	.092	**19061**	(a)	–	**41650**	23.90	–
15405	.113	(a)	**16905**	2.18	.089	**19795**	.194	(a)	**41664**	21.10	–
15406	.29	.047	**16906**	1.39	.121	**19796**	.227	–	**41665**	2.47	–
15488	.72	(a)	**16910**	1.24	.064	**40005**	(a)	–	**41666**	(a)	–
15538	.24	.021	**16911**	1.13	.052	**40006**	(a)	–	**41667**	57.70	–
15600	.61	.11	**16915**	1.27	.061	**40010**	(a)	–	**41668**	54.10	–
15607	.158	–	**16916**	1.06	.051	**40015**	(a)	–	**41669**	.38	–
15608	.135	.011	**16920**	2.82	.14	**40020**	(a)	–	**41670**	.64	–
15656	3.99	–	**16921**	2.58	.072	**40026**	(a)	–	**41672**	(a)	–
15699	.39	–	**16930**	1.62	.202	**40031**	(a)	–	**41673**	(a)	–
15733	.188	.044	**16931**	1.75	.089	**40032**	(a)	–	**41675**	(a)	–
15839	.181	.025	**16940**	3.52	.072	**40040**	(a)	–	**41677**	.233	–
15991	.148	.088	**16941**	1.41	.127	**40041**	(a)	–	**41678**	45.20	–
15993	.125	.053	**18078**	.084	.201	**40042**	(a)	–	**41679**	(a)	(a)
16005	.025	.04	**18109**	.247	.033	**40045**	139.00	–	**41680**	12.40	–
16009	.231	.073	**18110**	.197	.047	**40046**	27.60	–	**41696**	.74	–
16402	.90	–	**18200**	(a)	–	**40047**	9.83	–	**41697**	.51	–
16403	.57	.124	**18205**	.13	.36	**40059**	3.52	–	**41700**	(a)	–
16404	.71	–	**18206**	.32	.103	**40061**	1.87	–	**41715**	7.89	–
16471	.223	–	**18335**	.23	.023	**40063**	62.40	–	**41716**	5.02	–
16501	.052	(a)	**18435**	.97	.043	**40064**	18.40	–	**43007**	(a)	–
16527	.08	.42	**18436**	.78	.163	**40066**	(a)	–	**43117**	(a)	–
16588	.107	(a)	**18437**	.33	(a)	**40067**	(a)	–	**43151**	26.70	–
16604	.18	.212	**18438**	.63	(a)	**40069**	(a)	–	**43152**	13.50	–
16670	2.52	–	**18501**	.89	.012	**40072**	(a)	–	**43200**	102.00	–
16676	.188	.016	**18506**	.38	.007	**40075**	53.70	–	**43215**	(a)	–
16694	.36	(a)	**18507**	.118	.008	**40101**	13.80	–	**43421**	27.80	–
16705	.148	.173	**18570**	1.24	–	**40102**	12.20	–	**43422**	146.00	–
16722	(a)	–	**18575**	(a)	(a)	**40111**	4.95	–	**43424**	(a)	–
16723	(a)	–	**18616**	.29	.61	**40115**	(a)	–	**43470**	4.28	–

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	88.40	–	46004	22.70	–	47471	3.11	–
43518	9.06	–	44280	.233	–	46005	18.20	–	47473	4.07	–
43550	99.30	–	44311	4.67	–	46112	.054	–	47474	4.55	–
43551	55.10	–	44315	3.14	–	46202	4.29	–	47475	3.59	–
43626	7.24	–	44427	49.90	–	46362	158.00	–	47476	3.59	–
43628	94.00	–	44428	50.20	–	46426	23.10	–	47477	4.78	–
43629	79.70	–	44429	.75	–	46427	30.80	–	47478	5.02	–
43754	(a)	–	44430	.52	–	46510	(a)	–	47600	(a)	–
43760	2.65	–	44431	1.67	–	46590	(a)	–	47610	(a)	–
43822	3.41	–	44432	.53	–	46603	1.93	–	48039	72.00	–
43840	.042	–	44433	16.90	–	46604	2.23	–	48177	(a)	–
43860	2.68	–	44434	32.30	–	46606	5.95	–	48178	(a)	–
43889	.96	–	44435	33.40	–	46607	8.18	–	48206	19.10	–
43945	(a)	–	44436	39.10	–	46622	9.95	–	48252	(a)	–
43946	(a)	–	44437	32.40	–	46671	(a)	–	48441	.08	–
43990	(a)	(a)	44438	25.60	–	46700	204.00	–	48557	8.04	–
43991	(a)	–	44439	49.80	–	46773	(a)	–	48558	6.99	–
44009	4.76	–	44440	41.20	–	46822	(a)	–	48600	46.10	–
44010	(a)	(a)	44500	(a)	–	46881	(a)	–	48610	(a)	–
44069	7.74	–	44501	(a)	–	46882	(a)	–	48636	.86	(a)
44070	2.29	–	45190	3.38	–	46911	14.30	–	48637	6.14	–
44071	2.55	–	45191	2.40	–	46912	26.20	–	48638	3.05	–
44072	1.76	–	45192	2.80	–	46913	(a)	–	48727	(a)	–
44100	6.10	–	45193	1.66	–	46914	(a)	–	48808	1.02	–
44101	6.35	–	45210	2.09	–	46915	(a)	–	48924	(a)	–
44102	4.96	–	45224	(a)	–	46916	(a)	–	48925	147.00	–
44103	4.38	–	45225	(a)	–	47050	.93	–	49005	.158	–
44104	1.84	–	45334	58.50	–	47051	(a)	–	49111	1.56	–
44105	(a)	–	45380	.22	(a)	47052	(a)	–	49181	23.50	–
44106	(a)	–	45450	17.20	–	47103	(a)	–	49183	28.70	–
44108	2.16	–	45523	(a)	–	47146	(a)	–	49184	60.60	–
44109	5.46	–	45524	(a)	–	47147	(a)	–	49185	55.10	–
44110	5.59	–	45539	(a)	–	47221	224.00	–	49239	.165	.83
44111	3.43	–	45678	.25	–	47253	(a)	–	49292	1.72	–
44112	2.03	–	45771	.34	.22	47254	(a)	–	49305	(a)	–
44113	(a)	–	45819	.109	.068	47318	5.89	–	49333	12.60	–
44193	(a)	–	45900	.069	.057	47367	.233	–	49451	(a)	–
44194	(a)	–	45901	.059	.06	47420	1.29	–	49452	(a)	–
44222	(a)	–	45937	.23	–	47468	(a)	–	49617	.32	.191
44276	136.00	–	45993	(a)	(a)	47469	3.59	–	49618	.27	.048

\$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	.51	.097	51315	.107	.116	51809	.127	.184	52341	.025	(a)
49763	3.30	–	51330	.053	.43	51833	.106	.103	52342	.071	(a)
49800	(a)	–	51333	.017	.34	51850	.127	(a)	52343	.044	(a)
49801	197.00	–	51340	.013	(a)	51851	.086	(a)	52401	.135	(a)
49802	17.50	–	51350	.164	.177	51852	.202	(a)	52402	.007	(a)
49803	31.00	–	51351	.147	.054	51853	.081	(a)	52432	.034	(a)
49840	.96	–	51352	.202	.138	51854	.182	(a)	52433	.031	1.46
49870	61.50	–	51355	.137	.116	51855	.191	(a)	52435	.039	(a)
49890	(a)	–	51356	.148	.85	51856	.105	(a)	52438	.028	(a)
49891	(a)	–	51357	.152	.43	51857	.18	(a)	52440	.045	(a)
49902	(a)	–	51358	.37	.175	51869	.034	.19	52467	.041	(a)
49903	(a)	–	51359	.32	1.01	51877	.192	.26	52469	.014	.10
50010	.074	.82	51370	.149	6.02	51889	.032	.02	52505	.072	.224
50015	.048	(a)	51380	.015	.072	51896	.015	.023	52547	.117	.093
50017	.037	(a)	51400	.123	(a)	51900	.079	.105	52581	.35	5.33
50045	.084	(a)	51401	.181	(a)	51909	.115	.066	52619	.025	(a)
50047	.009	(a)	51500	.028	.125	51919	.032	(a)	52660	.083	–
51001	.03	.53	51516	.07	–	51926	.032	.049	52744	.41	.126
51005	.006	(a)	51517	.079	–	51927	.018	.126	52767	.107	(a)
51116	.075	.55	51550	.035	.41	51934	.035	.178	52876	(a)	(a)
51201	.013	(a)	51551	.012	1.06	51941	.032	.045	52911	.02	.68
51205	.039	.111	51552	.021	.169	51942	.052	–	52967	.007	.074
51206	.006	.61	51553	.037	(a)	51956	.139	.30	53001	.072	.38
51210	.052	(a)	51554	.004	(a)	51957	.123	.42	53077	.035	.248
51211	(a)	(a)	51575	.044	.028	51958	.109	.39	53095	.024	(a)
51220	.177	3.25	51576	.067	.10	51959	.112	(a)	53096	.033	(a)
51221	.099	2.44	51600	.045	.232	51960	.015	.42	53121	.094	.54
51222	.12	3.38	51613	.03	.20	51970	.064	.25	53147	.018	(a)
51224	.126	1.19	51625	.027	(a)	51982	.019	.099	53229	.101	(a)
51230	.021	.88	51666	.07	.127	51985	.065	–	53271	.018	(a)
51240	.152	.213	51702	.081	(a)	51986	.074	.128	53333	.099	.238
51241	.45	.34	51703	.034	(a)	51999	.031	.54	53374	.107	.45
51250	.136	(a)	51734	.063	.36	52002	.027	.112	53375	.057	.244
51251	.013	(a)	51741	.079	.28	52075	.10	.29	53376	.091	.212
51252	.046	.11	51752	.067	.199	52076	.121	(a)	53377	.093	.27
51253	.039	(a)	51767	.02	.012	52109	.007	(a)	53403	.059	(a)
51254	.012	.06	51777	.071	.084	52134	.092	.75	53425	.094	(a)
51255	.35	(a)	51790	.118	(a)	52137	.039	(a)	53565	.069	.158
51300	.098	.209	51796	.029	(a)	52150	.169	(a)	53631	.011	.025
51305	.098	1.23	51808	.103	.76	52315	.092	.27	53632	.013	.04

CLASSES 53731–59693   **COMMERCIAL LINES MANUAL**   **TENNESSEE (41)**
PREM/OPS TERR. 501   **DIVISION SIX**
PROD/COPS   **GENERAL LIABILITY**
          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
53731	.011	(a)	56170	.092	(a)	57401	.023	.113	58503	.027	.077
53732	.078	.60	56171	.045	(a)	57403	.145	.041	58532	.035	(a)
53733	.051	.26	56202	.026	.126	57410	.011	.188	58559	.007	(a)
53734	.42	–	56390	.046	.62	57411	.023	(a)	58560	.017	(a)
53803	.223	(a)	56391	.039	.36	57572	.006	.107	58561	(a)	(a)
53901	(a)	(a)	56427	.063	.146	57600	.019	.039	58575	.022	.143
53902	(a)	(a)	56488	.118	.039	57611	.049	.075	58627	.072	.022
53903	(a)	(a)	56567	.095	(a)	57625	.17	(a)	58663	.211	1.87
53904	(a)	(a)	56650	.29	(a)	57651	.021	.05	58682	.064	(a)
53905	(a)	(a)	56651	.158	(a)	57690	.064	.64	58713	.045	(a)
53907	.034	.139	56652	.113	(a)	57716	.03	.106	58737	.046	1.01
53951	(a)	(a)	56653	.109	(a)	57725	.066	.094	58756	.039	(a)
53952	(a)	(a)	56654	.056	(a)	57726	.052	.019	58757	.156	(a)
53953	(a)	(a)	56690	.061	.42	57798	.01	(a)	58759	.019	(a)
54012	.042	–	56699	.029	.051	57800	.039	(a)	58802	.022	.50
54077	.047	.39	56758	.025	.178	57808	.025	(a)	58813	.097	(a)
54444	(a)	(a)	56759	.025	.118	57809	.026	(a)	58822	.06	(a)
55010	.142	1.25	56760	.036	.127	57810	.025	.126	58837	.195	.132
55011	.038	1.14	56805	.048	(a)	57871	.03	.127	58840	.058	.128
55012	.046	1.32	56806	.034	(a)	57913	.05	.43	58873	.093	.034
55013	.085	1.05	56807	.034	(a)	57997	.093	–	58903	.014	(a)
55014	(a)	(a)	56808	.044	(a)	57998	.022	.067	58904	.011	.152
55214	.037	.103	56900	.042	(a)	57999	.042	.081	58922	.154	.241
55371	.27	.158	56910	.021	(a)	58009	.042	(a)	59005	.026	.108
55410	(a)	(a)	56911	.082	(a)	58010	.052	(a)	59057	.194	(a)
55426	.103	(a)	56912	.066	.105	58020	.156	(a)	59058	.126	(a)
55597	.009	1.99	56913	.054	(a)	58056	.062	(a)	59188	.31	.065
55647	.019	.08	56915	.32	(a)	58057	.039	(a)	59189	.42	.35
55648	.008	(a)	56916	.29	.196	58058	.035	(a)	59223	.096	.087
55649	.01	(a)	56917	.084	(a)	58095	.049	1.95	59257	.007	.021
55715	.074	.27	56918	.04	(a)	58096	.066	1.06	59306	.044	(a)
55716	.106	.59	56919	.103	(a)	58301	.032	.086	59378	.062	.175
55717	.135	(a)	56920	.094	(a)	58302	.018	.064	59481	.119	.101
55718	.131	(a)	56980	.037	(a)	58397	.103	.97	59482	.32	(a)
55802	.071	.013	57001	.013	.015	58408	.055	–	59537	.067	.172
55918	.042	4.30	57002	.008	.13	58409	.07	–	59601	.045	3.05
55919	.006	4.86	57090	.15	.71	58456	.037	–	59647	.144	.205
56040	.004	.057	57146	.095	.73	58457	.054	–	59660	.083	1.20
56041	.026	(a)	57202	.032	(a)	58458	.07	–	59661	.04	(a)
56042	.033	(a)	57257	.04	.05	58459	.084	–	59693	.007	–

17th EDITION 6-19 ☐

TENNESSEE (41)   **COMMERCIAL LINES MANUAL**   **CLASSES 59695–91606**
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	.205	.066	63220	(a)	–	91190	2.30	(a)
59701	.004	.227	59970	.057	.212	64074	23.80	–	91200	.70	–
59713	.074	.37	59973	.057	(a)	64075	16.80	–	91210	(a)	–
59722	.038	.036	59975	.08	.237	64500	(a)	–	91235	3.04	2.05
59723	.014	.044	59977	.046	(a)	65007	24.60	–	91250	4.58	(a)
59724	.022	.031	59984	.015	.064	66122	10.60	–	91265	15.00	2.18
59725	.028	.103	59985	.061	(a)	66123	5.80	–	91266	7.95	.93
59726	.02	.026	59986	.046	(a)	66309	17.00	–	91280	(a)	2.75
59738	.064	.077	59988	.021	.069	66561	39.30	–	91302	15.00	(a)
59750	.05	.28	59989	.008	.052	67017	36.50	–	91315	4.55	–
59751	.018	(a)	60010	15.80	–	67508	28.70	–	91324	10.10	(a)
59773	.018	.032	60011	18.20	–	67509	21.10	–	91325	(a)	(a)
59774	.015	.175	60012	29.90	–	67510	11.70	–	91340	6.61	7.30
59775	.019	.211	60013	25.60	–	67511	12.70	–	91341	4.89	3.59
59781	.044	.088	60015	19.10	–	67512	54.30	–	91342	6.06	3.78
59782	.065	.69	60016	21.50	–	67513	34.40	–	91343	1.08	1.32
59783	.063	(a)	60035	27.70	–	67634	31.50	–	91405	7.70	–
59784	.048	(a)	61000	15.70	–	67635	22.30	–	91436	5.54	2.68
59790	.049	(a)	61212	14.90	–	68001	68.20	–	91481	20.20	–
59798	.165	.53	61216	16.50	–	68439	87.60	–	91507	2.98	3.01
59806	.118	(a)	61217	15.00	–	68500	3.48	–	91523	45.90	–
59867	.055	(a)	61218	10.30	–	68604	1.64	–	91547	.26	–
59886	.008	.131	61223	69.30	–	68606	6.40	–	91551	1.62	.63
59889	.06	.169	61224	24.60	–	68607	5.06	–	91555	1.83	1.06
59892	.063	(a)	61225	34.10	–	68702	4.17	–	91560	4.39	4.05
59904	.043	.08	61226	54.30	–	68703	3.12	–	91562	3.60	–
59905	.035	.138	61227	49.70	–	68706	13.40	–	91577	12.90	2.74
59914	.204	.70	62000	11.30	–	68707	13.20	–	91580	5.79	–
59915	.142	.88	62001	8.48	–	90089	4.68	–	91581	(a)	(a)
59917	.026	.164	62002	3.87	–	91111	3.92	6.02	91582	(a)	(a)
59923	.005	.007	62003	12.20	–	91125	2.82	2.42	91583	(a)	(a)
59925	.33	1.06	63010	28.50	–	91127	2.64	1.60	91584	(a)	(a)
59926	.28	.49	63011	35.60	–	91130	1.23	–	91585	(a)	(a)
59927	.188	1.71	63012	50.60	–	91135	.34	(a)	91586	(a)	(a)
59931	.092	.69	63013	47.90	–	91150	2.49	5.02	91587	(a)	(a)
59932	.099	1.11	63215	40.30	–	91155	5.54	28.80	91588	(a)	(a)
59941	.031	(a)	63216	28.00	–	91160	1.13	–	91589	(a)	(a)
59947	.043	.39	63217	28.00	–	91175	.97	–	91590	3.74	–
59955	.012	.171	63218	9.44	–	91177	4.27	–	91591	(a)	(a)
59963	.088	.54	63219	(a)	–	91179	4.28	–	91606	12.00	–

\$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	1.23	–	97653	3.39	2.28	98426	2.75	(a)
91629	2.46	(a)	95358	(a)	–	97654	5.92	2.97	98427	2.68	–
91636	4.21	–	95410	4.81	2.60	97655	4.61	4.25	98428	(a)	–
91641	1.14	(a)	95455	5.09	1.53	98002	.83	1.08	98429	1.10	–
91666	1.01	(a)	95487	2.58	(a)	98003	1.06	(a)	98430	(a)	–
91722	3.69	(a)	95505	2.37	2.11	98090	.143	–	98449	3.85	19.30
91746	3.60	5.66	95620	2.09	(a)	98091	.155	–	98482	4.13	6.64
91805	.226	–	95625	7.15	2.86	98092	.47	–	98483	6.09	17.40
92053	.56	.46	95630	(a)	(a)	98111	.77	–	98502	5.83	3.48
92054	.192	.27	95647	3.67	5.77	98150	(a)	–	98555	2.72	–
92055	5.34	.26	95648	(a)	(a)	98151	(a)	–	98597	.61	–
92101	8.36	2.50	96053	2.79	3.72	98152	2.81	.32	98598	.209	–
92102	5.03	2.42	96317	1.27	–	98153	3.16	(a)	98601	6.98	(a)
92215	4.36	3.30	96408	4.16	14.30	98154	3.73	(a)	98622	(a)	–
92338	1.93	1.77	96409	3.85	10.20	98155	5.22	(a)	98623	(a)	–
92445	2.41	–	96410	3.38	8.14	98156	(a)	(a)	98624	1.10	–
92446	6.35	1.57	96611	1.52	1.47	98157	3.34	.40	98636	3.74	3.86
92447	5.55	1.57	96702	4.79	(a)	98158	(a)	(a)	98640	120.00	–
92451	3.04	2.02	96703	(a)	–	98159	2.24	(a)	98658	5.40	–
92453	3.52	–	96816	4.49	–	98160	4.74	(a)	98659	.97	.47
92478	1.74	1.87	96872	4.52	(a)	98161	5.31	(a)	98677	19.00	8.00
92593	40.00	–	96930	(a)	–	98162	(a)	(a)	98678	16.90	12.80
92663	.57	–	97002	(a)	(a)	98163	5.57	.27	98698	(a)	(a)
94007	11.90	4.41	97003	(a)	(a)	98164	2.57	.084	98699	5.48	(a)
94099	2.72	–	97047	4.61	–	98257	1.60	–	98705	7.64	–
94225	9.56	–	97050	3.58	–	98303	10.50	7.59	98710	3.81	–
94276	4.98	4.28	97111	5.75	–	98304	5.94	3.78	98751	4.08	–
94304	3.89	(a)	97220	.33	(a)	98305	3.70	1.52	98805	4.98	1.11
94381	7.29	12.20	97221	(a)	1.35	98306	9.52	.87	98806	3.48	2.99
94404	4.72	4.30	97222	2.02	2.59	98307	1.88	.47	98810	5.21	–
94444	(a)	(a)	97223	3.04	3.42	98308	1.24	.65	98813	5.03	2.03
94569	3.19	2.43	97308	.61	–	98309	5.27	2.52	98820	9.51	3.28
94590	13.70	–	97447	2.02	3.83	98344	1.03	.64	98871	(a)	(a)
94617	4.34	–	97501	(a)	–	98405	1.70	–	98884	2.47	1.16
94638	(a)	–	97502	(a)	–	98413	15.60	(a)	98914	.66	.72
95124	1.60	.65	97503	(a)	–	98414	14.30	(a)	98949	.92	.37
95233	3.43	–	97504	(a)	–	98415	1.88	(a)	98967	3.88	6.15
95305	3.73	–	97650	3.97	3.78	98423	4.47	(a)	98993	7.15	4.61
95306	4.83	–	97651	5.97	3.51	98424	7.59	(a)	99003	1.85	1.55
95310	8.90	1.56	97652	5.18	4.01	98425	3.12	(a)	99004	4.18	1.70

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999											
Class Code	**Prem/ Ops**	**Prod/ Cops**	**Class Code**	**Prem/ Ops**	**Prod/ Cops**	**Class Code**	**Prem/ Ops**	**Prod/ Cops**	**Class Code**	**Prem/ Ops**	**Prod/ Cops**
99080	1.31	7.02	**99826**	1.03	.48						
99081	(a)	–	**99827**	.47	.54						
99082	(a)	–	**99851**	1.92	–						
99083	(a)	–	**99917**	3.10	–						
99084	(a)	(a)	**99938**	3.48	–						
99085	(a)	(a)	**99943**	10.10	–						
99111	1.90	–	**99946**	7.52	2.70						
99160	(a)	–	**99948**	8.61	22.70						
99163	4.53	.54	**99952**	7.64	18.90						
99165	.99	(a)	**99953**	8.24	9.62						
99220	1.45	(a)	**99954**	6.00	11.40						
99221	(a)	(a)	**99955**	7.52	10.70						
99222	2.72	(a)	**99963**	.75	–						
99223	.28	(a)	**99969**	2.63	1.78						
99303	15.20	–	**99975**	6.67	–						
99310	3.80	(a)	**99986**	(a)	–						
99315	11.20	1.43	**99987**	(a)	–						
99321	10.80	2.33	**99988**	2.33	–						
99445	(a)	(a)									
99471	.66	–									
99505	6.05	–									
99506	7.44	–									
99507	6.49	–									
99570	3.48	(a)									
99571	.84	(a)									
99572	1.65	(a)									
99573	1.58	(a)									
99600	1.82	–									
99613	9.59	2.22									
99614	4.06	–									
99620	.52	–									
99650	1.65	.84									
99709	4.07	(a)									
99718	1.53	–									
99746	2.59	2.55									
99760	.30	–									
99777	9.03	–									
99793	3.29	–									
99798	(a)	(a)									
99803	(a)	6.91									

CLASSES 10010–15063   COMMERCIAL LINES MANUAL   TENNESSEE (41)
PREM/OPS TERR. 503   DIVISION SIX
PROD/COPS   GENERAL LIABILITY
        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
---	---	---	---	---	---	---	---	---	---	---	---
10010	.116	.224	10205	.231	–	11210	2.90	–	13207	(a)	(a)
10015	4.41	–	10220	4.34	–	11211	15.10	–	13208	(a)	(a)
10020	(a)	(a)	10255	.247	.152	11212	2.28	–	13314	.111	.02
10026	.60	.025	10256	.91	.158	11213	1.86	–	13351	.27	.042
10036	.67	(a)	10257	.171	.187	11214	4.58	–	13352	.27	.052
10040	.088	.30	10309	.149	.023	11222	.077	–	13410	1.42	2.55
10042	.34	.33	10315	.35	(a)	11234	.26	.079	13411	(a)	(a)
10052	3.05	–	10331	5.98	–	11248	.047	.022	13412	.48	1.11
10054	2.71	–	10332	10.30	–	11258	1.30	.26	13453	.55	(a)
10060	.163	.101	10352	.63	.066	11259	1.40	.146	13454	.65	(a)
10065	.245	.035	10367	3.88	–	11273	12.90	–	13455	.66	(a)
10066	.25	.077	10368	5.67	–	11274	12.30	–	13461	(a)	(a)
10070	.066	.141	10375	(a)	–	11288	1.60	.072	13506	.85	.075
10071	.29	.129	10378	6.05	–	12014	.101	.043	13507	1.02	.178
10072	4.39	–	10379	2.81	–	12356	1.09	.031	13590	.49	.77
10073	1.04	.52	10380	4.80	–	12361	.065	.091	13621	.124	.42
10075	7.71	.208	10381	4.15	–	12362	.073	(a)	13670	.037	.013
10100	1.08	.045	11007	1.65	–	12373	.028	.031	13673	.99	.013
10101	.221	.191	11020	.28	.125	12374	.57	.062	13715	.073	.151
10105	2.39	–	11039	.90	.056	12375	.28	.042	13716	.42	.149
10107	3.18	.234	11052	4.56	–	12391	.055	.10	13720	.56	.059
10110	15.00	–	11101	(a)	(a)	12393	.37	(a)	13759	.163	.138
10111	.145	.098	11120	(a)	–	12467	.154	(a)	13930	.156	.205
10113	.33	–	11126	.058	.024	12509	.062	.047	14068	.036	.018
10115	.66	.09	11127	.37	.01	12510	.78	.031	14101	.42	.039
10117	4.38	–	11128	.50	.078	12583	.35	(a)	14279	.47	.063
10119	(a)	–	11138	1.49	–	12651	1.02	.56	14401	1.31	.081
10120	9.82	–	11155	.197	–	12683	.47	(a)	14405	.97	–
10130	3.26	–	11160	(a)	(a)	12707	.48	.79	14527	.30	.202
10132	2.81	–	11167	1.05	–	12797	.101	.168	14655	.082	–
10133	4.38	–	11168	5.45	–	12805	.30	.112	14731	4.52	–
10135	(a)	–	11201	14.50	–	12841	.50	–	14732	.33	–
10140	.03	.02	11202	4.27	–	12927	.087	–	14733	.57	–
10141	.06	.022	11203	.86	.65	13049	.034	.058	14734	.245	–
10145	.29	.011	11204	.29	1.88	13111	1.21	.113	14855	.218	.20
10146	.48	.017	11205	(a)	–	13112	.056	.083	14913	.31	.119
10150	.46	(a)	11206	.67	–	13201	.90	.201	15060	(a)	(a)
10151	11.50	–	11207	8.47	–	13204	1.02	1.24	15061	(a)	(a)
10160	2.05	–	11208	1.45	–	13205	.39	.45	15062	.195	(a)
10204	.207	–	11209	6.82	–	13206	(a)	(a)	15063	.228	(a)

TENNESSEE (41)   **COMMERCIAL LINES MANUAL**   **CLASSES 15070–43470**
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	.13	–	**16750**	.096	.041	**18707**	.011	.003	**40117**	(a)	–
15119	(a)	–	**16751**	.096	–	**18708**	.106	.013	**40140**	(a)	–
15120	(a)	–	**16819**	1.18	(a)	**18833**	.131	(a)	**41001**	.164	–
15123	4.37	–	**16820**	.92	(a)	**18834**	.27	.146	**41210**	(a)	–
15124	1.53	–	**16881**	1.50	(a)	**18911**	.87	.022	**41421**	.46	–
15188	.34	(a)	**16890**	.139	(a)	**18912**	1.63	.033	**41422**	.248	–
15223	.043	.035	**16891**	.151	(a)	**18920**	.42	.021	**41510**	43.50	–
15224	.59	.058	**16892**	.27	(a)	**18991**	(a)	–	**41603**	22.00	–
15300	(a)	–	**16900**	2.37	.089	**19007**	1.71	–	**41604**	12.10	–
15314	.197	(a)	**16901**	1.52	.121	**19051**	3.79	–	**41620**	1.21	–
15404	.089	(a)	**16902**	1.29	.092	**19061**	(a)	–	**41650**	30.90	–
15405	.131	(a)	**16905**	2.49	.089	**19795**	.28	(a)	**41664**	20.80	–
15406	.33	.047	**16906**	1.59	.121	**19796**	.33	–	**41665**	2.44	–
15488	.83	(a)	**16910**	1.42	.064	**40005**	(a)	–	**41666**	(a)	–
15538	.35	.021	**16911**	1.29	.052	**40006**	(a)	–	**41667**	56.90	–
15600	.88	.11	**16915**	1.46	.061	**40010**	(a)	–	**41668**	53.30	–
15607	.17	–	**16916**	1.22	.051	**40015**	(a)	–	**41669**	.37	–
15608	.197	.011	**16920**	3.23	.14	**40020**	(a)	–	**41670**	.63	–
15656	5.82	–	**16921**	2.95	.072	**40026**	(a)	–	**41672**	(a)	–
15699	.42	–	**16930**	1.86	.202	**40031**	(a)	–	**41673**	(a)	–
15733	.218	.044	**16931**	2.01	.089	**40032**	(a)	–	**41675**	(a)	–
15839	.26	.025	**16940**	4.04	.072	**40040**	(a)	–	**41677**	.25	–
15991	.216	.088	**16941**	1.62	.127	**40041**	(a)	–	**41678**	41.20	–
15993	.183	.053	**18078**	.132	.201	**40042**	(a)	–	**41679**	(a)	(a)
16005	.039	.04	**18109**	.36	.033	**40045**	137.00	–	**41680**	16.10	–
16009	.27	.073	**18110**	.29	.047	**40046**	27.20	–	**41696**	.79	–
16402	1.31	–	**18200**	(a)	–	**40047**	9.68	–	**41697**	.55	–
16403	.83	.124	**18205**	.204	.36	**40059**	3.47	–	**41700**	(a)	–
16404	1.04	–	**18206**	.47	.103	**40061**	1.84	–	**41715**	10.20	–
16471	.24	–	**18335**	.34	.023	**40063**	61.50	–	**41716**	6.50	–
16501	.082	(a)	**18435**	1.15	.043	**40064**	18.10	–	**43007**	(a)	–
16527	.126	.42	**18436**	.92	.163	**40066**	(a)	–	**43117**	(a)	–
16588	.124	(a)	**18437**	.48	(a)	**40067**	(a)	–	**43151**	15.80	–
16604	.208	.212	**18438**	.92	(a)	**40069**	(a)	–	**43152**	12.30	–
16670	2.48	–	**18501**	1.05	.012	**40072**	(a)	–	**43200**	60.20	–
16676	.27	.016	**18506**	.44	.007	**40075**	31.80	–	**43215**	(a)	–
16694	.41	(a)	**18507**	.173	.008	**40101**	13.90	–	**43421**	16.50	–
16705	.233	.173	**18570**	1.81	–	**40102**	12.30	–	**43422**	86.50	–
16722	(a)	–	**18575**	(a)	(a)	**40111**	4.87	–	**43424**	(a)	–
16723	(a)	–	**18616**	.33	.61	**40115**	(a)	–	**43470**	4.60	–

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	52.40	–	46004	29.40	–	47471	4.02	–
43518	8.92	–	44280	.25	–	46005	23.50	–	47473	5.26	–
43550	58.80	–	44311	4.60	–	46112	.055	–	47474	5.88	–
43551	32.60	–	44315	3.09	–	46202	2.32	–	47475	4.64	–
43626	7.13	–	44427	50.20	–	46362	144.00	–	47476	4.64	–
43628	92.60	–	44428	50.50	–	46426	21.00	–	47477	6.19	–
43629	78.50	–	44429	.76	–	46427	28.00	–	47478	6.50	–
43754	(a)	–	44430	.53	–	46510	(a)	–	47600	(a)	–
43760	2.62	–	44431	1.68	–	46590	(a)	–	47610	(a)	–
43822	3.66	–	44432	.53	–	46603	1.76	–	48039	42.70	–
43840	.045	–	44433	17.00	–	46604	2.03	–	48177	(a)	–
43860	2.88	–	44434	32.40	–	46606	5.42	–	48178	(a)	–
43889	1.03	–	44435	33.60	–	46607	7.45	–	48206	18.90	–
43945	(a)	–	44436	39.20	–	46622	10.70	–	48252	(a)	–
43946	(a)	–	44437	32.50	–	46671	(a)	–	48441	.079	–
43990	(a)	(a)	44438	25.70	–	46700	121.00	–	48557	7.92	–
43991	(a)	–	44439	50.00	–	46773	(a)	–	48558	6.89	–
44009	5.33	–	44440	41.40	–	46822	(a)	–	48600	42.00	–
44010	(a)	(a)	44500	(a)	–	46881	(a)	–	48610	(a)	–
44069	7.62	–	44501	(a)	–	46882	(a)	–	48636	.77	(a)
44070	2.26	–	45190	1.83	–	46911	14.10	–	48637	6.05	–
44071	2.51	–	45191	1.30	–	46912	25.80	–	48638	3.00	–
44072	1.73	–	45192	1.52	–	46913	(a)	–	48727	(a)	–
44100	8.67	–	45193	.90	–	46914	(a)	–	48808	1.49	–
44101	9.04	–	45210	1.13	–	46915	(a)	–	48924	(a)	–
44102	7.05	–	45224	(a)	–	46916	(a)	–	48925	145.00	–
44103	6.24	–	45225	(a)	–	47050	1.00	–	49005	.17	–
44104	2.62	–	45334	34.70	–	47051	(a)	–	49111	2.28	–
44105	(a)	–	45380	.25	(a)	47052	(a)	–	49181	13.90	–
44106	(a)	–	45450	10.20	–	47103	(a)	–	49183	17.00	–
44108	3.07	–	45523	(a)	–	47146	(a)	–	49184	35.90	–
44109	7.77	–	45524	(a)	–	47147	(a)	–	49185	32.60	–
44110	7.95	–	45539	(a)	–	47221	133.00	–	49239	.191	.83
44111	4.88	–	45678	.27	–	47253	(a)	–	49292	1.02	–
44112	2.89	–	45771	.39	.22	47254	(a)	–	49305	(a)	–
44113	(a)	–	45819	.126	.068	47318	5.80	–	49333	7.48	–
44193	(a)	–	45900	.101	.057	47367	.25	–	49451	(a)	–
44194	(a)	–	45901	.087	.06	47420	1.27	–	49452	(a)	–
44222	(a)	–	45937	.136	–	47468	(a)	–	49617	.36	.191
44276	80.80	–	45993	(a)	(a)	47469	4.64	–	49618	.30	.048

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	.57	.097	51315	.124	.116	51809	.241	.184	52341	.022	(a)
49763	3.69	–	51330	.047	.43	51833	.102	.103	52342	.064	(a)
49800	(a)	–	51333	.015	.34	51850	.114	(a)	52343	.039	(a)
49801	117.00	–	51340	.024	(a)	51851	.077	(a)	52401	.12	(a)
49802	10.40	–	51350	.158	.177	51852	.18	(a)	52402	.013	(a)
49803	18.40	–	51351	.142	.054	51853	.073	(a)	52432	.065	(a)
49840	1.03	–	51352	.194	.138	51854	.163	(a)	52433	.059	1.46
49870	60.50	–	51355	.132	.116	51855	.171	(a)	52435	.075	(a)
49890	(a)	–	51356	.143	.85	51856	.094	(a)	52438	.054	(a)
49891	(a)	–	51357	.176	.43	51857	.161	(a)	52440	.085	(a)
49902	(a)	–	51358	.42	.175	51869	.064	.19	52467	.078	(a)
49903	(a)	–	51359	.37	1.01	51877	.36	.26	52469	.027	.10
50010	.14	.82	51370	.28	6.02	51889	.06	.02	52505	.136	.224
50015	.091	(a)	51380	.028	.072	51896	.028	.023	52547	.104	.093
50017	.07	(a)	51400	.11	(a)	51900	.077	.105	52581	.66	5.33
50045	.159	(a)	51401	.162	(a)	51909	.103	.066	52619	.047	(a)
50047	.018	(a)	51500	.053	.125	51919	.06	(a)	52660	.089	–
51001	.026	.53	51516	.075	–	51926	.061	.049	52744	.39	.126
51005	.005	(a)	51517	.085	–	51927	.033	.126	52767	.095	(a)
51116	.067	.55	51550	.066	.41	51934	.067	.178	52876	(a)	(a)
51201	.024	(a)	51551	.023	1.06	51941	.061	.045	52911	.037	.68
51205	.073	.111	51552	.04	.169	51942	.098	–	52967	.014	.074
51206	.011	.61	51553	.071	(a)	51956	.26	.30	53001	.136	.38
51210	.046	(a)	51554	.007	(a)	51957	.233	.42	53077	.066	.248
51211	(a)	(a)	51575	.042	.028	51958	.207	.39	53095	.045	(a)
51220	.158	3.25	51576	.127	.10	51959	.212	(a)	53096	.063	(a)
51221	.088	2.44	51600	.086	.232	51960	.028	.42	53121	.178	.54
51222	.107	3.38	51613	.057	.20	51970	.121	.25	53147	.016	(a)
51224	.112	1.19	51625	.024	(a)	51982	.036	.099	53229	.09	(a)
51230	.019	.88	51666	.067	.127	51985	.07	–	53271	.033	(a)
51240	.29	.213	51702	.073	(a)	51986	.14	.128	53333	.089	.238
51241	.86	.34	51703	.03	(a)	51999	.059	.54	53374	.103	.45
51250	.122	(a)	51734	.056	.36	52002	.052	.112	53375	.055	.244
51251	.025	(a)	51741	.15	.28	52075	.089	.29	53376	.088	.212
51252	.087	.11	51752	.127	.199	52076	.108	(a)	53377	.09	.27
51253	.074	(a)	51767	.02	.012	52109	.013	(a)	53403	.057	(a)
51254	.023	.06	51777	.068	.084	52134	.174	.75	53425	.084	(a)
51255	.31	(a)	51790	.114	(a)	52137	.035	(a)	53565	.066	.158
51300	.094	.209	51796	.055	(a)	52150	.32	(a)	53631	.021	.025
51305	.094	1.23	51808	.195	.76	52315	.089	.27	53632	.024	.04

CLASSES 53731–59693   COMMERCIAL LINES MANUAL   TENNESSEE (41)
PREM/OPS TERR. 503   DIVISION SIX
PROD/COPS   GENERAL LIABILITY
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
53731	.022	(a)	56170	.082	(a)	57401	.043	.113	58503	.052	.077
53732	.148	.60	56171	.04	(a)	57403	.14	.041	58532	.067	(a)
53733	.097	.26	56202	.05	.126	57410	.021	.188	58559	.014	(a)
53734	.45	–	56390	.087	.62	57411	.021	(a)	58560	.033	(a)
53803	.20	(a)	56391	.075	.36	57572	.012	.107	58561	(a)	(a)
53901	(a)	(a)	56427	.12	.146	57600	.037	.039	58575	.042	.143
53902	(a)	(a)	56488	.114	.039	57611	.044	.075	58627	.136	.022
53903	(a)	(a)	56567	.085	(a)	57625	.32	(a)	58663	.189	1.87
53904	(a)	(a)	56650	.26	(a)	57651	.039	.05	58682	.121	(a)
53905	(a)	(a)	56651	.142	(a)	57690	.057	.64	58713	.043	(a)
53907	.065	.139	56652	.101	(a)	57716	.027	.106	58737	.088	1.01
53951	(a)	(a)	56653	.098	(a)	57725	.059	.094	58756	.035	(a)
53952	(a)	(a)	56654	.05	(a)	57726	.046	.019	58757	.30	(a)
53953	(a)	(a)	56690	.059	.42	57798	.02	(a)	58759	.037	(a)
54012	.045	–	56699	.055	.051	57800	.074	(a)	58802	.042	.50
54077	.089	.39	56758	.047	.178	57808	.023	(a)	58813	.087	(a)
54444	(a)	(a)	56759	.048	.118	57809	.023	(a)	58822	.114	(a)
55010	.27	1.25	56760	.069	.127	57810	.023	.126	58837	.174	.132
55011	.073	1.14	56805	.091	(a)	57871	.027	.127	58840	.052	.128
55012	.087	1.32	56806	.064	(a)	57913	.096	.43	58873	.083	.034
55013	.076	1.05	56807	.064	(a)	57997	.10	–	58903	.026	(a)
55014	(a)	(a)	56808	.083	(a)	57998	.042	.067	58904	.02	.152
55214	.07	.103	56900	.08	(a)	57999	.037	.081	58922	.138	.241
55371	.26	.158	56910	.04	(a)	58009	.037	(a)	59005	.05	.108
55410	(a)	(a)	56911	.073	(a)	58010	.099	(a)	59057	.37	(a)
55426	.092	(a)	56912	.059	.105	58020	.15	(a)	59058	.238	(a)
55597	.018	1.99	56913	.048	(a)	58056	.118	(a)	59188	.30	.065
55647	.035	.08	56915	.29	(a)	58057	.074	(a)	59189	.41	.35
55648	.016	(a)	56916	.26	.196	58058	.066	(a)	59223	.086	.087
55649	.019	(a)	56917	.075	(a)	58095	.094	1.95	59257	.013	.021
55715	.14	.27	56918	.036	(a)	58096	.124	1.06	59306	.084	(a)
55716	.202	.59	56919	.092	(a)	58301	.029	.086	59378	.056	.175
55717	.121	(a)	56920	.084	(a)	58302	.033	.064	59481	.226	.101
55718	.117	(a)	56980	.069	(a)	58397	.195	.97	59482	.31	(a)
55802	.068	.013	57001	.024	.015	58408	.059	–	59537	.06	.172
55918	.08	4.30	57002	.015	.13	58409	.075	–	59601	.085	3.05
55919	.011	4.86	57090	.134	.71	58456	.04	–	59647	.139	.205
56040	.008	.057	57146	.085	.73	58457	.058	–	59660	.157	1.20
56041	.05	(a)	57202	.061	(a)	58458	.075	–	59661	.077	(a)
56042	.063	(a)	57257	.076	.05	58459	.09	–	59693	.013	–

$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**	.39	.066	**63220**	(a)	–	**91190**	2.30	(a)
59701	.006	.227	**59970**	.051	.212	**64074**	12.90	–	**91200**	.70	–
59713	.14	.37	**59973**	.107	(a)	**64075**	9.09	–	**91210**	(a)	–
59722	.073	.036	**59975**	.072	.237	**64500**	(a)	–	**91235**	3.04	2.05
59723	.027	.044	**59977**	.041	(a)	**65007**	22.40	–	**91250**	4.58	(a)
59724	.042	.031	**59984**	.029	.064	**66122**	9.62	–	**91265**	15.00	2.18
59725	.052	.103	**59985**	.115	(a)	**66123**	5.28	–	**91266**	7.95	.93
59726	.038	.026	**59986**	.088	(a)	**66309**	15.40	–	**91280**	(a)	2.75
59738	.121	.077	**59988**	.018	.069	**66561**	35.80	–	**91302**	15.00	(a)
59750	.045	.28	**59989**	.015	.052	**67017**	33.20	–	**91315**	4.55	–
59751	.016	(a)	**60010**	11.60	–	**67508**	37.10	–	**91324**	10.10	(a)
59773	.018	.032	**60011**	13.40	–	**67509**	27.20	–	**91325**	(a)	(a)
59774	.014	.175	**60012**	22.00	–	**67510**	15.20	–	**91340**	6.61	7.30
59775	.019	.211	**60013**	18.90	–	**67511**	16.40	–	**91341**	4.89	3.59
59781	.039	.088	**60015**	14.10	–	**67512**	70.20	–	**91342**	6.06	3.78
59782	.058	.69	**60016**	15.80	–	**67513**	44.60	–	**91343**	1.08	1.32
59783	.056	(a)	**60035**	25.20	–	**67634**	28.70	–	**91405**	7.70	–
59784	.043	(a)	**61000**	11.50	–	**67635**	20.30	–	**91436**	5.54	2.68
59790	.094	(a)	**61212**	13.50	–	**68001**	62.00	–	**91481**	20.20	–
59798	.147	.53	**61216**	15.00	–	**68439**	79.80	–	**91507**	2.98	3.01
59806	.106	(a)	**61217**	13.70	–	**68500**	2.56	–	**91523**	45.90	–
59867	.105	(a)	**61218**	9.35	–	**68604**	1.49	–	**91547**	.26	–
59886	.014	.131	**61223**	63.10	–	**68606**	5.83	–	**91551**	1.62	.63
59889	.058	.169	**61224**	22.40	–	**68607**	4.61	–	**91555**	1.83	1.06
59892	.056	(a)	**61225**	31.00	–	**68702**	3.79	–	**91560**	4.39	4.05
59904	.038	.08	**61226**	49.40	–	**68703**	2.84	–	**91562**	3.60	–
59905	.066	.138	**61227**	45.20	–	**68706**	12.20	–	**91577**	12.90	2.74
59914	.39	.70	**62000**	10.30	–	**68707**	12.10	–	**91580**	5.79	–
59915	.127	.88	**62001**	7.72	–	**90089**	4.68	–	**91581**	(a)	(a)
59917	.023	.164	**62002**	3.52	–	**91111**	3.92	6.02	**91582**	(a)	(a)
59923	.009	.007	**62003**	11.10	–	**91125**	2.82	2.42	**91583**	(a)	(a)
59925	.38	1.06	**63010**	20.90	–	**91127**	2.64	1.60	**91584**	(a)	(a)
59926	.32	.49	**63011**	26.20	–	**91130**	1.23	–	**91585**	(a)	(a)
59927	.218	1.71	**63012**	37.20	–	**91135**	.34	(a)	**91586**	(a)	(a)
59931	.174	.69	**63013**	35.30	–	**91150**	2.49	5.02	**91587**	(a)	(a)
59932	.187	1.11	**63215**	36.70	–	**91155**	5.54	28.80	**91588**	(a)	(a)
59941	.058	(a)	**63216**	25.50	–	**91160**	1.13	–	**91589**	(a)	(a)
59947	.038	.39	**63217**	27.60	–	**91175**	.97	–	**91590**	3.74	–
59955	.022	.171	**63218**	9.30	–	**91177**	4.27	–	**91591**	(a)	(a)
59963	.166	.54	**63219**	(a)	–	**91179**	4.28	–	**91606**	12.00	–

CLASSES 91618–99004
PREM/OPS TERR. 503
PROD/COPS

COMMERCIAL LINES MANUAL
DIVISION SIX
GENERAL LIABILITY
LOSS COST PAGES

TENNESSEE (41)

$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 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**	1.23	–	**97653**	3.39	2.28	**98426**	2.75	(a)
91629	2.46	(a)	**95358**	(a)	–	**97654**	5.92	2.97	**98427**	2.68	–
91636	4.21	–	**95410**	4.81	2.60	**97655**	4.61	4.25	**98428**	(a)	–
91641	1.14	(a)	**95455**	5.09	1.53	**98002**	.83	1.08	**98429**	1.10	–
91666	1.01	(a)	**95487**	2.58	(a)	**98003**	1.06	(a)	**98430**	(a)	–
91722	3.69	(a)	**95505**	2.37	2.11	**98090**	.143	–	**98449**	3.85	19.30
91746	3.60	5.66	**95620**	2.09	(a)	**98091**	.155	–	**98482**	4.13	6.64
91805	.226	–	**95625**	7.15	2.86	**98092**	.47	–	**98483**	6.09	17.40
92053	.56	.46	**95630**	(a)	(a)	**98111**	.77	–	**98502**	5.83	3.48
92054	.192	.27	**95647**	3.67	5.77	**98150**	(a)	–	**98555**	2.72	–
92055	5.34	.26	**95648**	(a)	(a)	**98151**	(a)	–	**98597**	.61	–
92101	8.36	2.50	**96053**	2.79	3.72	**98152**	2.81	.32	**98598**	.209	–
92102	5.03	2.42	**96317**	1.27	–	**98153**	3.16	(a)	**98601**	6.98	(a)
92215	4.36	3.30	**96408**	4.16	14.30	**98154**	3.73	(a)	**98622**	(a)	–
92338	1.93	1.77	**96409**	3.85	10.20	**98155**	5.22	(a)	**98623**	(a)	–
92445	2.41	–	**96410**	3.38	8.14	**98156**	(a)	(a)	**98624**	1.10	–
92446	6.35	1.57	**96611**	1.52	1.47	**98157**	3.34	.40	**98636**	3.74	3.86
92447	5.55	1.57	**96702**	4.79	(a)	**98158**	(a)	(a)	**98640**	120.00	–
92451	3.04	2.02	**96703**	(a)	–	**98159**	2.24	(a)	**98658**	5.40	–
92453	3.52	–	**96816**	4.49	–	**98160**	4.74	(a)	**98659**	.97	.47
92478	1.74	1.87	**96872**	4.52	(a)	**98161**	5.31	(a)	**98677**	19.00	8.00
92593	40.00	–	**96930**	(a)	–	**98162**	(a)	(a)	**98678**	16.90	12.80
92663	.57	–	**97002**	(a)	(a)	**98163**	5.57	.27	**98698**	(a)	(a)
94007	11.90	4.41	**97003**	(a)	(a)	**98164**	2.57	.084	**98699**	5.48	(a)
94099	2.72	–	**97047**	4.61	–	**98257**	1.60	–	**98705**	7.64	–
94225	9.56	–	**97050**	3.58	–	**98303**	10.50	7.59	**98710**	3.81	–
94276	4.98	4.28	**97111**	5.75	–	**98304**	5.94	3.78	**98751**	4.08	–
94304	3.89	(a)	**97220**	.33	(a)	**98305**	3.70	1.52	**98805**	4.98	1.11
94381	7.29	12.20	**97221**	(a)	1.35	**98306**	9.52	.87	**98806**	3.48	2.99
94404	4.72	4.30	**97222**	2.02	2.59	**98307**	1.88	.47	**98810**	5.21	–
94444	(a)	(a)	**97223**	3.04	3.42	**98308**	1.24	.65	**98813**	5.03	2.03
94569	3.19	2.43	**97308**	.61	–	**98309**	5.27	2.52	**98820**	9.51	3.28
94590	13.70	–	**97447**	2.02	3.83	**98344**	1.03	.64	**98871**	(a)	(a)
94617	4.34	–	**97501**	(a)	–	**98405**	1.70	–	**98884**	2.47	1.16
94638	(a)	–	**97502**	(a)	–	**98413**	15.60	(a)	**98914**	.66	.72
95124	1.60	.65	**97503**	(a)	–	**98414**	14.30	(a)	**98949**	.92	.37
95233	3.43	–	**97504**	(a)	–	**98415**	1.88	(a)	**98967**	3.88	6.15
95305	3.73	–	**97650**	3.97	3.78	**98423**	4.47	(a)	**98993**	7.15	4.61
95306	4.83	–	**97651**	5.97	3.51	**98424**	7.59	(a)	**99003**	1.85	1.55
95310	8.90	1.56	**97652**	5.18	4.01	**98425**	3.12	(a)	**99004**	4.18	1.70

TENNESSEE (41)   **COMMERCIAL LINES MANUAL**   **CLASSES 99080–99988**
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
99080	1.31	7.02	99826	1.03	.48						
99081	(a)	–	99827	.47	.54						
99082	(a)	–	99851	1.92	–						
99083	(a)	–	99917	3.10	–						
99084	(a)	(a)	99938	3.48	–						
99085	(a)	(a)	99943	10.10	–						
99111	1.90	–	99946	7.52	2.70						
99160	(a)	–	99948	8.61	22.70						
99163	4.53	.54	99952	7.64	18.90						
99165	.99	(a)	99953	8.24	9.62						
99220	1.45	(a)	99954	6.00	11.40						
99221	(a)	(a)	99955	7.52	10.70						
99222	2.72	(a)	99963	.75	–						
99223	.28	(a)	99969	2.63	1.78						
99303	15.20	–	99975	6.67	–						
99310	3.80	(a)	99986	(a)	–						
99315	11.20	1.43	99987	(a)	–						
99321	10.80	2.33	99988	2.33	–						
99445	(a)	(a)									
99471	.66	–									
99505	6.05	–									
99506	7.44	–									
99507	6.49	–									
99570	3.48	(a)									
99571	.84	(a)									
99572	1.65	(a)									
99573	1.58	(a)									
99600	1.82	–									
99613	9.59	2.22									
99614	4.06	–									
99620	.52	–									
99650	1.65	.84									
99709	4.07	(a)									
99718	1.53	–									
99746	2.59	2.55									
99760	.30	–									
99777	9.03	–									
99793	3.29	–									
99798	(a)	(a)									
99803	(a)	6.91									

\$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	.081	.224	10205	.27	–	11210	1.99	–	13207	(a)	(a)
10015	4.34	–	10220	5.15	–	11211	10.30	–	13208	(a)	(a)
10020	(a)	(a)	10255	.226	.152	11212	1.56	–	13314	.131	.02
10026	.71	.025	10256	.83	.158	11213	1.27	–	13351	.32	.042
10036	.61	(a)	10257	.156	.187	11214	3.14	–	13352	.32	.052
10040	.062	.30	10309	.177	.023	11222	.053	–	13410	1.30	2.55
10042	.40	.33	10315	.42	(a)	11234	.31	.079	13411	(a)	(a)
10052	3.00	–	10331	5.89	–	11248	.043	.022	13412	.44	1.11
10054	2.67	–	10332	10.20	–	11258	.83	.26	13453	.51	(a)
10060	.194	.101	10352	.40	.066	11259	.89	.146	13454	.59	(a)
10065	.29	.035	10367	2.66	–	11273	15.30	–	13455	.60	(a)
10066	.30	.077	10368	3.88	–	11274	14.60	–	13461	(a)	(a)
10070	.047	.141	10375	(a)	–	11288	1.02	.072	13506	1.00	.075
10071	.35	.129	10378	5.96	–	12014	.093	.043	13507	1.21	.178
10072	3.01	–	10379	2.77	–	12356	1.29	.031	13590	.45	.77
10073	.95	.52	10380	4.73	–	12361	.072	.091	13621	.113	.42
10075	7.06	.208	10381	4.09	–	12362	.051	(a)	13670	.041	.013
10100	.69	.045	11007	1.13	–	12373	.019	.031	13673	.63	.013
10101	.26	.191	11020	.33	.125	12374	.67	.062	13715	.051	.151
10105	2.84	–	11039	.83	.056	12375	.33	.042	13716	.50	.149
10107	2.91	.234	11052	3.95	–	12391	.038	.10	13720	.36	.059
10110	14.80	–	11101	(a)	(a)	12393	.44	(a)	13759	.194	.138
10111	.102	.098	11120	(a)	–	12467	.182	(a)	13930	.109	.205
10113	.39	–	11126	.068	.024	12509	.057	.047	14068	.043	.018
10115	.78	.09	11127	.26	.01	12510	.72	.031	14101	.50	.039
10117	4.32	–	11128	.35	.078	12583	.32	(a)	14279	.43	.063
10119	(a)	–	11138	1.47	–	12651	.93	.56	14401	.84	.081
10120	9.68	–	11155	.234	–	12683	.43	(a)	14405	.66	–
10130	3.87	–	11160	(a)	(a)	12707	.34	.79	14527	.208	.202
10132	3.33	–	11167	.91	–	12797	.071	.168	14655	.097	–
10133	3.80	–	11168	4.72	–	12805	.35	.112	14731	3.92	–
10135	(a)	–	11201	9.89	–	12841	.59	–	14732	.29	–
10140	.033	.02	11202	2.92	–	12927	.103	–	14733	.68	–
10141	.067	.022	11203	.60	.65	13049	.038	.058	14734	.29	–
10145	.32	.011	11204	.34	1.88	13111	.77	.113	14855	.199	.20
10146	.31	.017	11205	(a)	–	13112	.062	.083	14913	.36	.119
10150	.54	(a)	11206	.46	–	13201	.82	.201	15060	(a)	(a)
10151	13.60	–	11207	5.79	–	13204	.93	1.24	15061	(a)	(a)
10160	2.43	–	11208	.99	–	13205	.36	.45	15062	.179	(a)
10204	.245	–	11209	4.66	–	13206	(a)	(a)	15063	.208	(a)

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	.089	–	16750	.114	.041	18707	.008	.003	40117	(a)	–
15119	(a)	–	16751	.114	–	18708	.125	.013	40140	(a)	–
15120	(a)	–	16819	1.08	(a)	18833	.091	(a)	41001	.162	–
15123	3.79	–	16820	.84	(a)	18834	.32	.146	41210	(a)	–
15124	1.33	–	16881	1.78	(a)	18911	1.03	.022	41421	.213	–
15188	.31	(a)	16890	.127	(a)	18912	1.93	.033	41422	.114	–
15223	.048	.035	16891	.138	(a)	18920	.50	.021	41510	51.60	–
15224	.38	.058	16892	.25	(a)	18991	(a)	–	41603	10.10	–
15300	(a)	–	16900	2.33	.089	19007	1.48	–	41604	5.54	–
15314	.234	(a)	16901	1.49	.121	19051	3.28	–	41620	.83	–
15404	.082	(a)	16902	1.27	.092	19061	(a)	–	41650	14.20	–
15405	.12	(a)	16905	2.45	.089	19795	.34	(a)	41664	20.50	–
15406	.31	.047	16906	1.57	.121	19796	.39	–	41665	2.40	–
15488	.76	(a)	16910	1.40	.064	40005	(a)	–	41666	(a)	–
15538	.42	.021	16911	1.27	.052	40006	(a)	–	41667	56.00	–
15600	1.05	.11	16915	1.43	.061	40010	(a)	–	41668	52.50	–
15607	.116	–	16916	1.20	.051	40015	(a)	–	41669	.37	–
15608	.234	.011	16920	3.18	.14	40020	(a)	–	41670	.62	–
15656	6.90	–	16921	2.91	.072	40026	(a)	–	41672	(a)	–
15699	.29	–	16930	1.83	.202	40031	(a)	–	41673	(a)	–
15733	.199	.044	16931	1.97	.089	40032	(a)	–	41675	(a)	–
15839	.31	.025	16940	3.97	.072	40040	(a)	–	41677	.171	–
15991	.26	.088	16941	1.59	.127	40041	(a)	–	41678	26.60	–
15993	.217	.053	18078	.092	.201	40042	(a)	–	41679	(a)	(a)
16005	.027	.04	18109	.43	.033	40045	135.00	–	41680	7.39	–
16009	.245	.073	18110	.34	.047	40046	26.80	–	41696	.54	–
16402	1.55	–	18200	(a)	–	40047	9.54	–	41697	.38	–
16403	.98	.124	18205	.143	.36	40059	3.42	–	41700	(a)	–
16404	1.24	–	18206	.55	.103	40061	1.81	–	41715	4.69	–
16471	.164	–	18335	.40	.023	40063	60.60	–	41716	2.98	–
16501	.057	(a)	18435	.73	.043	40064	17.80	–	43007	(a)	–
16527	.088	.42	18436	.59	.163	40066	(a)	–	43117	(a)	–
16588	.113	(a)	18437	.57	(a)	40067	(a)	–	43151	18.50	–
16604	.19	.212	18438	1.09	(a)	40069	(a)	–	43152	7.98	–
16670	2.44	–	18501	.67	.012	40072	(a)	–	43200	70.50	–
16676	.32	.016	18506	.40	.007	40075	37.20	–	43215	(a)	–
16694	.38	(a)	18507	.205	.008	40101	9.66	–	43421	19.30	–
16705	.163	.173	18570	2.14	–	40102	8.54	–	43422	101.00	–
16722	(a)	–	18575	(a)	(a)	40111	4.80	–	43424	(a)	–
16723	(a)	–	18616	.30	.61	40115	(a)	–	43470	3.15	–

$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
$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											
43517	(a)	–	44277	61.30	–	46004	13.50	–	47471	1.85	–
43518	8.79	–	44280	.171	–	46005	10.80	–	47473	2.42	–
43550	68.90	–	44311	4.54	–	46112	.038	–	47474	2.70	–
43551	38.20	–	44315	3.05	–	46202	1.92	–	47475	2.13	–
43626	7.03	–	44427	34.90	–	46362	93.00	–	47476	2.13	–
43628	91.30	–	44428	35.10	–	46426	13.60	–	47477	2.84	–
43629	77.40	–	44429	.53	–	46427	18.10	–	47478	2.98	–
43754	(a)	–	44430	.37	–	46510	(a)	–	47600	(a)	–
43760	2.58	–	44431	1.17	–	46590	(a)	–	47610	(a)	–
43822	2.51	–	44432	.37	–	46603	1.14	–	48039	50.00	–
43840	.031	–	44433	11.80	–	46604	1.31	–	48177	(a)	–
43860	1.97	–	44434	22.60	–	46606	3.51	–	48178	(a)	–
43889	.71	–	44435	23.40	–	46607	4.82	–	48206	18.60	–
43945	(a)	–	44436	27.30	–	46622	7.32	–	48252	(a)	–
43946	(a)	–	44437	22.60	–	46671	(a)	–	48441	.078	–
43990	(a)	(a)	44438	17.90	–	46700	142.00	–	48557	7.81	–
43991	(a)	–	44439	34.80	–	46773	(a)	–	48558	6.79	–
44009	4.62	–	44440	28.80	–	46822	(a)	–	48600	27.20	–
44010	(a)	(a)	44500	(a)	–	46881	(a)	–	48610	(a)	–
44069	7.51	–	44501	(a)	–	46882	(a)	–	48636	1.16	(a)
44070	2.22	–	45190	1.51	–	46911	13.90	–	48637	5.96	–
44071	2.47	–	45191	1.07	–	46912	25.50	–	48638	2.96	–
44072	1.71	–	45192	1.25	–	46913	(a)	–	48727	(a)	–
44100	5.12	–	45193	.74	–	46914	(a)	–	48808	1.77	–
44101	5.33	–	45210	.94	–	46915	(a)	–	48924	(a)	–
44102	4.16	–	45224	(a)	–	46916	(a)	–	48925	143.00	–
44103	3.68	–	45225	(a)	–	47050	.68	–	49005	.116	–
44104	1.55	–	45334	40.60	–	47051	(a)	–	49111	2.70	–
44105	(a)	–	45380	.233	(a)	47052	(a)	–	49181	16.30	–
44106	(a)	–	45450	11.90	–	47103	(a)	–	49183	19.90	–
44108	1.81	–	45523	(a)	–	47146	(a)	–	49184	42.00	–
44109	4.58	–	45524	(a)	–	47147	(a)	–	49185	38.20	–
44110	4.69	–	45539	(a)	–	47221	155.00	–	49239	.174	.83
44111	2.88	–	45678	.185	–	47253	(a)	–	49292	1.19	–
44112	1.71	–	45771	.36	.22	47254	(a)	–	49305	(a)	–
44113	(a)	–	45819	.115	.068	47318	5.71	–	49333	8.76	–
44193	(a)	–	45900	.12	.057	47367	.171	–	49451	(a)	–
44194	(a)	–	45901	.103	.06	47420	1.25	–	49452	(a)	–
44222	(a)	–	45937	.159	–	47468	(a)	–	49617	.31	.191
44276	94.50	–	45993	(a)	(a)	47469	2.13	–	49618	.26	.048

TENNESSEE (41)   **COMMERCIAL LINES MANUAL**   **CLASSES 49619–53632**
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	.49	.097	51315	.113	.116	51809	.241	.184	52341	.033	(a)
49763	3.20	–	51330	.071	.43	51833	.118	.103	52342	.096	(a)
49800	(a)	–	51333	.023	.34	51850	.172	(a)	52343	.059	(a)
49801	137.00	–	51340	.024	(a)	51851	.116	(a)	52401	.181	(a)
49802	12.10	–	51350	.183	.177	51852	.27	(a)	52402	.013	(a)
49803	21.50	–	51351	.163	.054	51853	.11	(a)	52432	.065	(a)
49840	.71	–	51352	.224	.138	51854	.246	(a)	52433	.059	1.46
49870	59.70	–	51355	.153	.116	51855	.26	(a)	52435	.074	(a)
49890	(a)	–	51356	.165	.85	51856	.142	(a)	52438	.054	(a)
49891	(a)	–	51357	.161	.43	51857	.242	(a)	52440	.084	(a)
49902	(a)	–	51358	.39	.175	51869	.064	.19	52467	.078	(a)
49903	(a)	–	51359	.34	1.01	51877	.36	.26	52469	.027	.10
50010	.14	.82	51370	.28	6.02	51889	.06	.02	52505	.136	.224
50015	.091	(a)	51380	.028	.072	51896	.028	.023	52547	.157	.093
50017	.069	(a)	51400	.166	(a)	51900	.088	.105	52581	.66	5.33
50045	.158	(a)	51401	.245	(a)	51909	.155	.066	52619	.046	(a)
50047	.018	(a)	51500	.053	.125	51919	.06	(a)	52660	.061	–
51001	.04	.53	51516	.051	–	51926	.061	.049	52744	.45	.126
51005	.008	(a)	51517	.058	–	51927	.033	.126	52767	.144	(a)
51116	.101	.55	51550	.066	.41	51934	.067	.178	52876	(a)	(a)
51201	.024	(a)	51551	.023	1.06	51941	.061	.045	52911	.037	.68
51205	.073	.111	51552	.04	.169	51942	.097	–	52967	.014	.074
51206	.011	.61	51553	.07	(a)	51956	.26	.30	53001	.136	.38
51210	.07	(a)	51554	.007	(a)	51957	.232	.42	53077	.065	.248
51211	(a)	(a)	51575	.049	.028	51958	.206	.39	53095	.045	(a)
51220	.239	3.25	51576	.126	.10	51959	.211	(a)	53096	.062	(a)
51221	.133	2.44	51600	.086	.232	51960	.028	.42	53121	.177	.54
51222	.162	3.38	51613	.057	.20	51970	.121	.25	53147	.024	(a)
51224	.169	1.19	51625	.037	(a)	51982	.036	.099	53229	.136	(a)
51230	.029	.88	51666	.078	.127	51985	.048	–	53271	.033	(a)
51240	.29	.213	51702	.11	(a)	51986	.14	.128	53333	.134	.238
51241	.85	.34	51703	.045	(a)	51999	.059	.54	53374	.119	.45
51250	.184	(a)	51734	.085	.36	52002	.052	.112	53375	.063	.244
51251	.025	(a)	51741	.15	.28	52075	.135	.29	53376	.101	.212
51252	.087	.11	51752	.126	.199	52076	.163	(a)	53377	.104	.27
51253	.074	(a)	51767	.023	.012	52109	.013	(a)	53403	.066	(a)
51254	.023	.06	51777	.079	.084	52134	.173	.75	53425	.126	(a)
51255	.47	(a)	51790	.131	(a)	52137	.053	(a)	53565	.076	.158
51300	.109	.209	51796	.055	(a)	52150	.32	(a)	53631	.021	.025
51305	.109	1.23	51808	.194	.76	52315	.103	.27	53632	.024	.04

CLASSES 53731–59693   COMMERCIAL LINES MANUAL   TENNESSEE (41)
PREM/OPS TERR. 504   DIVISION SIX
PROD/COPS   GENERAL LIABILITY
                            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
53731	.022	(a)	56170	.124	(a)	57401	.043	.113	58503	.052	.077
53732	.148	.60	56171	.061	(a)	57403	.161	.041	58532	.067	(a)
53733	.096	.26	56202	.05	.126	57410	.021	.188	58559	.014	(a)
53734	.31	–	56390	.087	.62	57411	.031	(a)	58560	.033	(a)
53803	.30	(a)	56391	.074	.36	57572	.012	.107	58561	(a)	(a)
53901	(a)	(a)	56427	.12	.146	57600	.036	.039	58575	.042	.143
53902	(a)	(a)	56488	.131	.039	57611	.066	.075	58627	.136	.022
53903	(a)	(a)	56567	.128	(a)	57625	.32	(a)	58663	.28	1.87
53904	(a)	(a)	56650	.39	(a)	57651	.039	.05	58682	.121	(a)
53905	(a)	(a)	56651	.214	(a)	57690	.086	.64	58713	.05	(a)
53907	.065	.139	56652	.153	(a)	57716	.041	.106	58737	.088	1.01
53951	(a)	(a)	56653	.147	(a)	57725	.09	.094	58756	.053	(a)
53952	(a)	(a)	56654	.075	(a)	57726	.07	.019	58757	.30	(a)
53953	(a)	(a)	56690	.068	.42	57798	.02	(a)	58759	.036	(a)
54012	.031	–	56699	.055	.051	57800	.074	(a)	58802	.041	.50
54077	.089	.39	56758	.047	.178	57808	.034	(a)	58813	.131	(a)
54444	(a)	(a)	56759	.048	.118	57809	.035	(a)	58822	.114	(a)
55010	.27	1.25	56760	.069	.127	57810	.034	.126	58837	.26	.132
55011	.073	1.14	56805	.09	(a)	57871	.041	.127	58840	.079	.128
55012	.087	1.32	56806	.064	(a)	57913	.095	.43	58873	.125	.034
55013	.114	1.05	56807	.063	(a)	57997	.068	–	58903	.026	(a)
55014	(a)	(a)	56808	.083	(a)	57998	.042	.067	58904	.02	.152
55214	.07	.103	56900	.08	(a)	57999	.056	.081	58922	.208	.241
55371	.30	.158	56910	.04	(a)	58009	.056	(a)	59005	.05	.108
55410	(a)	(a)	56911	.111	(a)	58010	.098	(a)	59057	.37	(a)
55426	.138	(a)	56912	.09	.105	58020	.173	(a)	59058	.237	(a)
55597	.018	1.99	56913	.073	(a)	58056	.117	(a)	59188	.34	.065
55647	.035	.08	56915	.43	(a)	58057	.074	(a)	59189	.47	.35
55648	.016	(a)	56916	.39	.196	58058	.066	(a)	59223	.129	.087
55649	.019	(a)	56917	.113	(a)	58095	.093	1.95	59257	.013	.021
55715	.139	.27	56918	.054	(a)	58096	.124	1.06	59306	.084	(a)
55716	.201	.59	56919	.138	(a)	58301	.043	.086	59378	.084	.175
55717	.183	(a)	56920	.126	(a)	58302	.033	.064	59481	.225	.101
55718	.177	(a)	56980	.069	(a)	58397	.194	.97	59482	.36	(a)
55802	.079	.013	57001	.024	.015	58408	.04	–	59537	.091	.172
55918	.08	4.30	57002	.015	.13	58409	.051	–	59601	.085	3.05
55919	.011	4.86	57090	.203	.71	58456	.027	–	59647	.16	.205
56040	.008	.057	57146	.128	.73	58457	.04	–	59660	.156	1.20
56041	.05	(a)	57202	.061	(a)	58458	.051	–	59661	.077	(a)
56042	.062	(a)	57257	.076	.05	58459	.062	–	59693	.013	–

$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	.066	63220	(a)	–	91190	2.30	(a)
59701	.006	.227	59970	.077	.212	64074	10.70	–	91200	.70	–
59713	.14	.37	59973	.107	(a)	64075	7.51	–	91210	(a)	–
59722	.072	.036	59975	.108	.237	64500	(a)	–	91235	3.04	2.05
59723	.027	.044	59977	.062	(a)	65007	14.50	–	91250	4.58	(a)
59724	.042	.031	59984	.029	.064	66122	6.22	–	91265	15.00	2.18
59725	.052	.103	59985	.114	(a)	66123	3.42	–	91266	7.95	.93
59726	.038	.026	59986	.087	(a)	66309	9.99	–	91280	(a)	2.75
59738	.121	.077	59988	.028	.069	66561	23.10	–	91302	15.00	(a)
59750	.068	.28	59989	.015	.052	67017	21.50	–	91315	4.55	–
59751	.024	(a)	60010	9.19	–	67508	17.10	–	91324	10.10	(a)
59773	.02	.032	60011	10.60	–	67509	12.50	–	91325	(a)	(a)
59774	.017	.175	60012	17.40	–	67510	6.96	–	91340	6.61	7.30
59775	.021	.211	60013	14.90	–	67511	7.53	–	91341	4.89	3.59
59781	.059	.088	60015	11.10	–	67512	32.30	–	91342	6.06	3.78
59782	.087	.69	60016	12.50	–	67513	20.50	–	91343	1.08	1.32
59783	.085	(a)	60035	16.30	–	67634	18.60	–	91405	7.70	–
59784	.065	(a)	61000	9.10	–	67635	13.10	–	91436	5.54	2.68
59790	.093	(a)	61212	8.77	–	68001	40.10	–	91481	20.20	–
59798	.222	.53	61216	9.73	–	68439	51.60	–	91507	2.98	3.01
59806	.159	(a)	61217	8.85	–	68500	2.02	–	91523	45.90	–
59867	.105	(a)	61218	6.05	–	68604	.96	–	91547	.26	–
59886	.014	.131	61223	40.80	–	68606	3.77	–	91551	1.62	.63
59889	.067	.169	61224	14.50	–	68607	2.98	–	91555	1.83	1.06
59892	.085	(a)	61225	20.10	–	68702	2.45	–	91560	4.39	4.05
59904	.058	.08	61226	32.00	–	68703	1.84	–	91562	3.60	–
59905	.066	.138	61227	29.30	–	68706	7.89	–	91577	12.90	2.74
59914	.39	.70	62000	6.66	–	68707	7.80	–	91580	5.79	–
59915	.191	.88	62001	5.00	–	90089	4.68	–	91581	(a)	(a)
59917	.035	.164	62002	2.28	–	91111	3.92	6.02	91582	(a)	(a)
59923	.009	.007	62003	7.19	–	91125	2.82	2.42	91583	(a)	(a)
59925	.35	1.06	63010	16.50	–	91127	2.64	1.60	91584	(a)	(a)
59926	.30	.49	63011	20.70	–	91130	1.23	–	91585	(a)	(a)
59927	.199	1.71	63012	29.40	–	91135	.34	(a)	91586	(a)	(a)
59931	.173	.69	63013	27.80	–	91150	2.49	5.02	91587	(a)	(a)
59932	.187	1.11	63215	23.80	–	91155	5.54	28.80	91588	(a)	(a)
59941	.058	(a)	63216	16.50	–	91160	1.13	–	91589	(a)	(a)
59947	.058	.39	63217	27.20	–	91175	.97	–	91590	3.74	–
59955	.022	.171	63218	9.16	–	91177	4.27	–	91591	(a)	(a)
59963	.166	.54	63219	(a)	–	91179	4.28	–	91606	12.00	–

CLASSES 91618–99004   COMMERCIAL LINES MANUAL   TENNESSEE (41)
PREM/OPS TERR. 504   DIVISION SIX
PROD/COPS   GENERAL LIABILITY
                            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**
91618	(a)	(a)	95357	1.23	–	97653	3.39	2.28	98426	2.75	(a)
91629	2.46	(a)	95358	(a)	–	97654	5.92	2.97	98427	2.68	–
91636	4.21	–	95410	4.81	2.60	97655	4.61	4.25	98428	(a)	–
91641	1.14	(a)	95455	5.09	1.53	98002	.83	1.08	98429	1.10	–
91666	1.01	(a)	95487	2.58	(a)	98003	1.06	(a)	98430	(a)	–
91722	3.69	(a)	95505	2.37	2.11	98090	.143	–	98449	3.85	19.30
91746	3.60	5.66	95620	2.09	(a)	98091	.155	–	98482	4.13	6.64
91805	.226	–	95625	7.15	2.86	98092	.47	–	98483	6.09	17.40
92053	.56	.46	95630	(a)	(a)	98111	.77	–	98502	5.83	3.48
92054	.192	.27	95647	3.67	5.77	98150	(a)	–	98555	2.72	–
92055	5.34	.26	95648	(a)	(a)	98151	(a)	–	98597	.61	–
92101	8.36	2.50	96053	2.79	3.72	98152	2.81	.32	98598	.209	–
92102	5.03	2.42	96317	1.27	–	98153	3.16	(a)	98601	6.98	(a)
92215	4.36	3.30	96408	4.16	14.30	98154	3.73	(a)	98622	(a)	–
92338	1.93	1.77	96409	3.85	10.20	98155	5.22	(a)	98623	(a)	–
92445	2.41	–	96410	3.38	8.14	98156	(a)	(a)	98624	1.10	–
92446	6.35	1.57	96611	1.52	1.47	98157	3.34	.40	98636	3.74	3.86
92447	5.55	1.57	96702	4.79	(a)	98158	(a)	(a)	98640	120.00	–
92451	3.04	2.02	96703	(a)	–	98159	2.24	(a)	98658	5.40	–
92453	3.52	–	96816	4.49	–	98160	4.74	(a)	98659	.97	.47
92478	1.74	1.87	96872	4.52	(a)	98161	5.31	(a)	98677	19.00	8.00
92593	40.00	–	96930	(a)	–	98162	(a)	(a)	98678	16.90	12.80
92663	.57	–	97002	(a)	(a)	98163	5.57	.27	98698	(a)	(a)
94007	11.90	4.41	97003	(a)	(a)	98164	2.57	.084	98699	5.48	(a)
94099	2.72	–	97047	4.61	–	98257	1.60	–	98705	7.64	–
94225	9.56	–	97050	3.58	–	98303	10.50	7.59	98710	3.81	–
94276	4.98	4.28	97111	5.75	–	98304	5.94	3.78	98751	4.08	–
94304	3.89	(a)	97220	.33	(a)	98305	3.70	1.52	98805	4.98	1.11
94381	7.29	12.20	97221	(a)	1.35	98306	9.52	.87	98806	3.48	2.99
94404	4.72	4.30	97222	2.02	2.59	98307	1.88	.47	98810	5.21	–
94444	(a)	(a)	97223	3.04	3.42	98308	1.24	.65	98813	5.03	2.03
94569	3.19	2.43	97308	.61	–	98309	5.27	2.52	98820	9.51	3.28
94590	13.70	–	97447	2.02	3.83	98344	1.03	.64	98871	(a)	(a)
94617	4.34	–	97501	(a)	–	98405	1.70	–	98884	2.47	1.16
94638	(a)	–	97502	(a)	–	98413	15.60	(a)	98914	.66	.72
95124	1.60	.65	97503	(a)	–	98414	14.30	(a)	98949	.92	.37
95233	3.43	–	97504	(a)	–	98415	1.88	(a)	98967	3.88	6.15
95305	3.73	–	97650	3.97	3.78	98423	4.47	(a)	98993	7.15	4.61
95306	4.83	–	97651	5.97	3.51	98424	7.59	(a)	99003	1.85	1.55
95310	8.90	1.56	97652	5.18	4.01	98425	3.12	(a)	99004	4.18	1.70

Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops
$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											
99080	1.31	7.02	99826	1.03	.48						
99081	(a)	–	99827	.47	.54						
99082	(a)	–	99851	1.92	–						
99083	(a)	–	99917	3.10	–						
99084	(a)	(a)	99938	3.48	–						
99085	(a)	(a)	99943	10.10	–						
99111	1.90	–	99946	7.52	2.70						
99160	(a)	–	99948	8.61	22.70						
99163	4.53	.54	99952	7.64	18.90						
99165	.99	(a)	99953	8.24	9.62						
99220	1.45	(a)	99954	6.00	11.40						
99221	(a)	(a)	99955	7.52	10.70						
99222	2.72	(a)	99963	.75	–						
99223	.28	(a)	99969	2.63	1.78						
99303	15.20	–	99975	6.67	–						
99310	3.80	(a)	99986	(a)	–						
99315	11.20	1.43	99987	(a)	–						
99321	10.80	2.33	99988	2.33	–						
99445	(a)	(a)									
99471	.66	–									
99505	6.05	–									
99506	7.44	–									
99507	6.49	–									
99570	3.48	(a)									
99571	.84	(a)									
99572	1.65	(a)									
99573	1.58	(a)									
99600	1.82	–									
99613	9.59	2.22									
99614	4.06	–									
99620	.52	–									
99650	1.65	.84									
99709	4.07	(a)									
99718	1.53	–									
99746	2.59	2.55									
99760	.30	–									
99777	9.03	–									
99793	3.29	–									
99798	(a)	(a)									
99803	(a)	6.91									

$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	.123	.224	10205	.31	–	11210	3.06	–	13207	(a)	(a)
10015	4.75	–	10220	5.75	–	11211	15.90	–	13208	(a)	(a)
10020	(a)	(a)	10255	.176	.152	11212	2.40	–	13314	.146	.02
10026	.79	.025	10256	.64	.158	11213	1.96	–	13351	.36	.042
10036	.47	(a)	10257	.121	.187	11214	4.83	–	13352	.36	.052
10040	.094	.30	10309	.197	.023	11222	.081	–	13410	1.01	2.55
10042	.45	.33	10315	.46	(a)	11234	.34	.079	13411	(a)	(a)
10052	3.29	–	10331	6.44	–	11248	.033	.022	13412	.34	1.11
10054	2.91	–	10332	11.10	–	11258	1.20	.26	13453	.39	(a)
10060	.216	.101	10352	.58	.066	11259	1.29	.146	13454	.46	(a)
10065	.32	.035	10367	4.09	–	11273	17.00	–	13455	.47	(a)
10066	.33	.077	10368	5.97	–	11274	16.30	–	13461	(a)	(a)
10070	.07	.141	10375	(a)	–	11288	1.47	.072	13506	1.12	.075
10071	.39	.129	10378	6.52	–	12014	.072	.043	13507	1.35	.178
10072	4.63	–	10379	3.03	–	12356	1.44	.031	13590	.35	.77
10073	.74	.52	10380	5.17	–	12361	.067	.091	13621	.088	.42
10075	5.48	.208	10381	4.48	–	12362	.077	(a)	13670	.037	.013
10100	1.00	.045	11007	1.74	–	12373	.029	.031	13673	.91	.013
10101	.29	.191	11020	.37	.125	12374	.75	.062	13715	.077	.151
10105	3.17	–	11039	.64	.056	12375	.37	.042	13716	.55	.149
10107	2.26	.234	11052	3.16	–	12391	.058	.10	13720	.51	.059
10110	16.20	–	11101	(a)	(a)	12393	.49	(a)	13759	.216	.138
10111	.154	.098	11120	(a)	–	12467	.203	(a)	13930	.165	.205
10113	.44	–	11126	.076	.024	12509	.044	.047	14068	.048	.018
10115	.87	.09	11127	.39	.01	12510	.56	.031	14101	.56	.039
10117	4.72	–	11128	.53	.078	12583	.248	(a)	14279	.34	.063
10119	(a)	–	11138	1.61	–	12651	.72	.56	14401	1.21	.081
10120	10.60	–	11155	.26	–	12683	.33	(a)	14405	1.02	–
10130	4.32	–	11160	(a)	(a)	12707	.51	.79	14527	.31	.202
10132	3.72	–	11167	.73	–	12797	.107	.168	14655	.108	–
10133	3.04	–	11168	3.78	–	12805	.39	.112	14731	3.14	–
10135	(a)	–	11201	15.20	–	12841	.65	–	14732	.232	–
10140	.031	.02	11202	4.50	–	12927	.114	–	14733	.76	–
10141	.062	.022	11203	.91	.65	13049	.035	.058	14734	.32	–
10145	.30	.011	11204	.38	1.88	13111	1.11	.113	14855	.155	.20
10146	.44	.017	11205	(a)	–	13112	.057	.083	14913	.41	.119
10150	.60	(a)	11206	.71	–	13201	.64	.201	15060	(a)	(a)
10151	15.20	–	11207	8.91	–	13204	.72	1.24	15061	(a)	(a)
10160	2.71	–	11208	1.53	–	13205	.28	.45	15062	.139	(a)
10204	.27	–	11209	7.18	–	13206	(a)	(a)	15063	.162	(a)

© Insurance Services Office, Inc., 2018

\$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	.137	–	16750	.127	.041	18707	.012	.003	40117	(a)	–
15119	(a)	–	16751	.127	–	18708	.14	.013	40140	(a)	–
15120	(a)	–	16819	.84	(a)	18833	.139	(a)	41001	.177	–
15123	3.03	–	16820	.65	(a)	18834	.36	.146	41210	(a)	–
15124	1.06	–	16881	1.99	(a)	18911	1.14	.022	41421	.188	–
15188	.244	(a)	16890	.098	(a)	18912	2.16	.033	41422	.10	–
15223	.044	.035	16891	.107	(a)	18920	.56	.021	41510	57.50	–
15224	.54	.058	16892	.195	(a)	18991	(a)	–	41603	8.88	–
15300	(a)	–	16900	2.52	.089	19007	1.19	–	41604	4.88	–
15314	.26	(a)	16901	1.61	.121	19051	2.63	–	41620	1.28	–
15404	.063	(a)	16902	1.37	.092	19061	(a)	–	41650	12.50	–
15405	.093	(a)	16905	2.65	.089	19795	.38	(a)	41664	22.40	–
15406	.237	.047	16906	1.69	.121	19796	.44	–	41665	2.62	–
15488	.59	(a)	16910	1.51	.064	40005	(a)	–	41666	(a)	–
15538	.46	.021	16911	1.37	.052	40006	(a)	–	41667	61.30	–
15600	1.17	.11	16915	1.55	.061	40010	(a)	–	41668	57.40	–
15607	.179	–	16916	1.29	.051	40015	(a)	–	41669	.40	–
15608	.26	.011	16920	3.43	.14	40020	(a)	–	41670	.68	–
15656	7.70	–	16921	3.14	.072	40026	(a)	–	41672	(a)	–
15699	.44	–	16930	1.98	.202	40031	(a)	–	41673	(a)	–
15733	.155	.044	16931	2.13	.089	40032	(a)	–	41675	(a)	–
15839	.35	.025	16940	4.29	.072	40040	(a)	–	41677	.26	–
15991	.29	.088	16941	1.72	.127	40041	(a)	–	41678	31.20	–
15993	.242	.053	18078	.14	.201	40042	(a)	–	41679	(a)	(a)
16005	.041	.04	18109	.48	.033	40045	148.00	–	41680	6.50	–
16009	.19	.073	18110	.38	.047	40046	29.30	–	41696	.83	–
16402	1.73	–	18200	(a)	–	40047	10.40	–	41697	.58	–
16403	1.09	.124	18205	.216	.36	40059	3.74	–	41700	(a)	–
16404	1.38	–	18206	.62	.103	40061	1.98	–	41715	4.13	–
16471	.25	–	18335	.45	.023	40063	66.30	–	41716	2.63	–
16501	.087	(a)	18435	1.05	.043	40064	19.50	–	43007	(a)	–
16527	.133	.42	18436	.85	.163	40066	(a)	–	43117	(a)	–
16588	.088	(a)	18437	.64	(a)	40067	(a)	–	43151	13.30	–
16604	.148	.212	18438	1.22	(a)	40069	(a)	–	43152	9.33	–
16670	2.67	–	18501	.97	.012	40072	(a)	–	43200	50.60	–
16676	.36	.016	18506	.31	.007	40075	26.70	–	43215	(a)	–
16694	.29	(a)	18507	.229	.008	40101	15.80	–	43421	13.90	–
16705	.247	.173	18570	2.39	–	40102	13.90	–	43422	72.80	–
16722	(a)	–	18575	(a)	(a)	40111	5.25	–	43424	(a)	–
16723	(a)	–	18616	.236	.61	40115	(a)	–	43470	4.85	–

\$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	44.10	–	46004	11.90	–	47471	1.63	–
43518	9.61	–	44280	.26	–	46005	9.50	–	47473	2.13	–
43550	49.50	–	44311	4.96	–	46112	.062	–	47474	2.38	–
43551	27.50	–	44315	3.33	–	46202	1.64	–	47475	1.88	–
43626	7.68	–	44427	57.00	–	46362	109.00	–	47476	1.88	–
43628	99.80	–	44428	57.30	–	46426	15.90	–	47477	2.50	–
43629	84.60	–	44429	.86	–	46427	21.20	–	47478	2.63	–
43754	(a)	–	44430	.60	–	46510	(a)	–	47600	(a)	–
43760	2.82	–	44431	1.91	–	46590	(a)	–	47610	(a)	–
43822	3.86	–	44432	.60	–	46603	1.33	–	48039	35.90	–
43840	.047	–	44433	19.30	–	46604	1.54	–	48177	(a)	–
43860	3.03	–	44434	36.80	–	46606	4.10	–	48178	(a)	–
43889	1.09	–	44435	38.10	–	46607	5.64	–	48206	20.30	–
43945	(a)	–	44436	44.60	–	46622	11.30	–	48252	(a)	–
43946	(a)	–	44437	36.90	–	46671	(a)	–	48441	.085	–
43990	(a)	(a)	44438	29.20	–	46700	102.00	–	48557	8.53	–
43991	(a)	–	44439	56.80	–	46773	(a)	–	48558	7.42	–
44009	3.70	–	44440	47.00	–	46822	(a)	–	48600	31.80	–
44010	(a)	(a)	44500	(a)	–	46881	(a)	–	48610	(a)	–
44069	8.21	–	44501	(a)	–	46882	(a)	–	48636	.93	(a)
44070	2.43	–	45190	1.29	–	46911	15.20	–	48637	6.52	–
44071	2.71	–	45191	.92	–	46912	27.80	–	48638	3.24	–
44072	1.87	–	45192	1.07	–	46913	(a)	–	48727	(a)	–
44100	6.66	–	45193	.63	–	46914	(a)	–	48808	1.97	–
44101	6.94	–	45210	.80	–	46915	(a)	–	48924	(a)	–
44102	5.41	–	45224	(a)	–	46916	(a)	–	48925	156.00	–
44103	4.79	–	45225	(a)	–	47050	1.05	–	49005	.179	–
44104	2.01	–	45334	29.20	–	47051	(a)	–	49111	3.01	–
44105	(a)	–	45380	.181	(a)	47052	(a)	–	49181	11.70	–
44106	(a)	–	45450	8.58	–	47103	(a)	–	49183	14.30	–
44108	2.36	–	45523	(a)	–	47146	(a)	–	49184	30.20	–
44109	5.97	–	45524	(a)	–	47147	(a)	–	49185	27.50	–
44110	6.11	–	45539	(a)	–	47221	112.00	–	49239	.135	.83
44111	3.75	–	45678	.28	–	47253	(a)	–	49292	.86	–
44112	2.22	–	45771	.28	.22	47254	(a)	–	49305	(a)	–
44113	(a)	–	45819	.09	.068	47318	6.25	–	49333	6.29	–
44193	(a)	–	45900	.134	.057	47367	.26	–	49451	(a)	–
44194	(a)	–	45901	.114	.06	47420	1.37	–	49452	(a)	–
44222	(a)	–	45937	.114	–	47468	(a)	–	49617	.25	.191
44276	67.90	–	45993	(a)	(a)	47469	1.88	–	49618	.21	.048

\$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	.39	.097	51315	.088	.116	51809	.203	.184	52341	.027	(a)
49763	2.56	–	51330	.057	.43	51833	.084	.103	52342	.077	(a)
49800	(a)	–	51333	.019	.34	51850	.138	(a)	52343	.047	(a)
49801	98.40	–	51340	.02	(a)	51851	.093	(a)	52401	.146	(a)
49802	8.73	–	51350	.13	.177	51852	.219	(a)	52402	.011	(a)
49803	15.40	–	51351	.117	.054	51853	.088	(a)	52432	.055	(a)
49840	1.09	–	51352	.16	.138	51854	.197	(a)	52433	.05	1.46
49870	65.20	–	51355	.109	.116	51855	.207	(a)	52435	.063	(a)
49890	(a)	–	51356	.117	.85	51856	.114	(a)	52438	.045	(a)
49891	(a)	–	51357	.125	.43	51857	.195	(a)	52440	.071	(a)
49902	(a)	–	51358	.30	.175	51869	.054	.19	52467	.066	(a)
49903	(a)	–	51359	.26	1.01	51877	.31	.26	52469	.023	.10
50010	.118	.82	51370	.238	6.02	51889	.05	.02	52505	.115	.224
50015	.077	(a)	51380	.024	.072	51896	.024	.023	52547	.126	.093
50017	.059	(a)	51400	.133	(a)	51900	.063	.105	52581	.56	5.33
50045	.134	(a)	51401	.196	(a)	51909	.124	.066	52619	.039	(a)
50047	.015	(a)	51500	.045	.125	51919	.051	(a)	52660	.094	–
51001	.032	.53	51516	.079	–	51926	.052	.049	52744	.32	.126
51005	.007	(a)	51517	.09	–	51927	.028	.126	52767	.115	(a)
51116	.081	.55	51550	.056	.41	51934	.057	.178	52876	(a)	(a)
51201	.02	(a)	51551	.019	1.06	51941	.052	.045	52911	.031	.68
51205	.062	.111	51552	.033	.169	51942	.082	–	52967	.012	.074
51206	.01	.61	51553	.06	(a)	51956	.222	.30	53001	.115	.38
51210	.056	(a)	51554	.006	(a)	51957	.196	.42	53077	.055	.248
51211	(a)	(a)	51575	.035	.028	51958	.174	.39	53095	.038	(a)
51220	.192	3.25	51576	.107	.10	51959	.178	(a)	53096	.053	(a)
51221	.107	2.44	51600	.073	.232	51960	.024	.42	53121	.15	.54
51222	.13	3.38	51613	.048	.20	51970	.102	.25	53147	.02	(a)
51224	.136	1.19	51625	.029	(a)	51982	.03	.099	53229	.109	(a)
51230	.023	.88	51666	.055	.127	51985	.074	–	53271	.028	(a)
51240	.243	.213	51702	.088	(a)	51986	.118	.128	53333	.107	.238
51241	.72	.34	51703	.036	(a)	51999	.05	.54	53374	.085	.45
51250	.147	(a)	51734	.068	.36	52002	.044	.112	53375	.045	.244
51251	.021	(a)	51741	.127	.28	52075	.108	.29	53376	.072	.212
51252	.073	.11	51752	.107	.199	52076	.131	(a)	53377	.074	.27
51253	.063	(a)	51767	.016	.012	52109	.011	(a)	53403	.047	(a)
51254	.02	.06	51777	.056	.084	52134	.147	.75	53425	.101	(a)
51255	.37	(a)	51790	.094	(a)	52137	.043	(a)	53565	.054	.158
51300	.077	.209	51796	.046	(a)	52150	.27	(a)	53631	.017	.025
51305	.077	1.23	51808	.164	.76	52315	.073	.27	53632	.02	.04

Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
\$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										
53731	.018	(a)	56170	.099	(a)	57401	.036	.113	58503	.044	.077
53732	.125	.60	56171	.049	(a)	57403	.115	.041	58532	.056	(a)
53733	.081	.26	56202	.042	.126	57410	.018	.188	58559	.012	(a)
53734	.47	–	56390	.073	.62	57411	.025	(a)	58560	.028	(a)
53803	.242	(a)	56391	.063	.36	57572	.01	.107	58561	(a)	(a)
53901	(a)	(a)	56427	.101	.146	57600	.031	.039	58575	.036	.143
53902	(a)	(a)	56488	.094	.039	57611	.053	.075	58627	.115	.022
53903	(a)	(a)	56567	.103	(a)	57625	.27	(a)	58663	.228	1.87
53904	(a)	(a)	56650	.32	(a)	57651	.033	.05	58682	.102	(a)
53905	(a)	(a)	56651	.171	(a)	57690	.069	.64	58713	.036	(a)
53907	.055	.139	56652	.123	(a)	57716	.033	.106	58737	.074	1.01
53951	(a)	(a)	56653	.118	(a)	57725	.072	.094	58756	.043	(a)
53952	(a)	(a)	56654	.06	(a)	57726	.056	.019	58757	.25	(a)
53953	(a)	(a)	56690	.049	.42	57798	.017	(a)	58759	.031	(a)
54012	.047	–	56699	.047	.051	57800	.062	(a)	58802	.035	.50
54077	.075	.39	56758	.04	.178	57808	.028	(a)	58813	.105	(a)
54444	(a)	(a)	56759	.04	.118	57809	.028	(a)	58822	.096	(a)
55010	.227	1.25	56760	.058	.127	57810	.028	.126	58837	.211	.132
55011	.061	1.14	56805	.076	(a)	57871	.033	.127	58840	.063	.128
55012	.073	1.32	56806	.054	(a)	57913	.081	.43	58873	.10	.034
55013	.091	1.05	56807	.054	(a)	57997	.105	–	58903	.022	(a)
55014	(a)	(a)	56808	.07	(a)	57998	.036	.067	58904	.017	.152
55214	.059	.103	56900	.067	(a)	57999	.045	.081	58922	.167	.241
55371	.217	.158	56910	.034	(a)	58009	.045	(a)	59005	.042	.108
55410	(a)	(a)	56911	.089	(a)	58010	.083	(a)	59057	.31	(a)
55426	.111	(a)	56912	.072	.105	58020	.123	(a)	59058	.201	(a)
55597	.015	1.99	56913	.059	(a)	58056	.099	(a)	59188	.245	.065
55647	.03	.08	56915	.35	(a)	58057	.062	(a)	59189	.34	.35
55648	.013	(a)	56916	.31	.196	58058	.056	(a)	59223	.104	.087
55649	.016	(a)	56917	.091	(a)	58095	.079	1.95	59257	.011	.021
55715	.118	.27	56918	.044	(a)	58096	.105	1.06	59306	.071	(a)
55716	.17	.59	56919	.111	(a)	58301	.035	.086	59378	.068	.175
55717	.147	(a)	56920	.101	(a)	58302	.028	.064	59481	.19	.101
55718	.142	(a)	56980	.058	(a)	58397	.164	.97	59482	.26	(a)
55802	.056	.013	57001	.02	.015	58408	.062	–	59537	.073	.172
55918	.067	4.30	57002	.013	.13	58409	.079	–	59601	.072	3.05
55919	.009	4.86	57090	.163	.71	58456	.042	–	59647	.114	.205
56040	.006	.057	57146	.103	.73	58457	.061	–	59660	.132	1.20
56041	.042	(a)	57202	.052	(a)	58458	.079	–	59661	.065	(a)
56042	.053	(a)	57257	.064	.05	58459	.095	–	59693	.011	–

\$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	.33	.066	63220	(a)	–	91190	2.30	(a)
59701	.005	.227	59970	.062	.212	64074	9.12	–	91200	.70	–
59713	.118	.37	59973	.09	(a)	64075	6.42	–	91210	(a)	–
59722	.061	.036	59975	.087	.237	64500	(a)	–	91235	3.04	2.05
59723	.023	.044	59977	.05	(a)	65007	16.90	–	91250	4.58	(a)
59724	.035	.031	59984	.025	.064	66122	7.28	–	91265	15.00	2.18
59725	.044	.103	59985	.097	(a)	66123	4.00	–	91266	7.95	.93
59726	.032	.026	59986	.074	(a)	66309	11.70	–	91280	(a)	2.75
59738	.102	.077	59988	.022	.069	66561	27.10	–	91302	15.00	(a)
59750	.054	.28	59989	.013	.052	67017	25.10	–	91315	4.55	–
59751	.02	(a)	60010	9.09	–	67508	15.00	–	91324	10.10	(a)
59773	.014	.032	60011	10.50	–	67509	11.00	–	91325	(a)	(a)
59774	.012	.175	60012	17.20	–	67510	6.13	–	91340	6.61	7.30
59775	.015	.211	60013	14.70	–	67511	6.63	–	91341	4.89	3.59
59781	.047	.088	60015	11.00	–	67512	28.40	–	91342	6.06	3.78
59782	.07	.69	60016	12.40	–	67513	18.00	–	91343	1.08	1.32
59783	.068	(a)	60035	19.10	–	67634	21.70	–	91405	7.70	–
59784	.052	(a)	61000	9.00	–	67635	15.40	–	91436	5.54	2.68
59790	.079	(a)	61212	10.30	–	68001	47.00	–	91481	20.20	–
59798	.179	.53	61216	11.40	–	68439	60.40	–	91507	2.98	3.01
59806	.128	(a)	61217	10.40	–	68500	2.00	–	91523	45.90	–
59867	.089	(a)	61218	7.08	–	68604	1.13	–	91547	.26	–
59886	.012	.131	61223	47.80	–	68606	4.41	–	91551	1.62	.63
59889	.048	.169	61224	16.90	–	68607	3.49	–	91555	1.83	1.06
59892	.068	(a)	61225	23.50	–	68702	2.87	–	91560	4.39	4.05
59904	.046	.08	61226	37.40	–	68703	2.15	–	91562	3.60	–
59905	.056	.138	61227	34.30	–	68706	9.23	–	91577	12.90	2.74
59914	.33	.70	62000	7.79	–	68707	9.13	–	91580	5.79	–
59915	.154	.88	62001	5.85	–	90089	4.68	–	91581	(a)	(a)
59917	.028	.164	62002	2.67	–	91111	3.92	6.02	91582	(a)	(a)
59923	.008	.007	62003	8.41	–	91125	2.82	2.42	91583	(a)	(a)
59925	.27	1.06	63010	16.40	–	91127	2.64	1.60	91584	(a)	(a)
59926	.23	.49	63011	20.40	–	91130	1.23	–	91585	(a)	(a)
59927	.155	1.71	63012	29.10	–	91135	.34	(a)	91586	(a)	(a)
59931	.147	.69	63013	27.50	–	91150	2.49	5.02	91587	(a)	(a)
59932	.158	1.11	63215	27.80	–	91155	5.54	28.80	91588	(a)	(a)
59941	.049	(a)	63216	19.30	–	91160	1.13	–	91589	(a)	(a)
59947	.046	.39	63217	29.70	–	91175	.97	–	91590	3.74	–
59955	.019	.171	63218	10.00	–	91177	4.27	–	91591	(a)	(a)
59963	.14	.54	63219	(a)	–	91179	4.28	–	91606	12.00	–

CLASSES 91618–99004   COMMERCIAL LINES MANUAL   TENNESSEE (41)
PREM/OPS TERR. 505   DIVISION SIX
PROD/COPS   GENERAL LIABILITY
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
91618	(a)	(a)	95357	1.23	–	97653	3.39	2.28	98426	2.75	(a)
91629	2.46	(a)	95358	(a)	–	97654	5.92	2.97	98427	2.68	–
91636	4.21	–	95410	4.81	2.60	97655	4.61	4.25	98428	(a)	–
91641	1.14	(a)	95455	5.09	1.53	98002	.83	1.08	98429	1.10	–
91666	1.01	(a)	95487	2.58	(a)	98003	1.06	(a)	98430	(a)	–
91722	3.69	(a)	95505	2.37	2.11	98090	.143	–	98449	3.85	19.30
91746	3.60	5.66	95620	2.09	(a)	98091	.155	–	98482	4.13	6.64
91805	.226	–	95625	7.15	2.86	98092	.47	–	98483	6.09	17.40
92053	.56	.46	95630	(a)	(a)	98111	.77	–	98502	5.83	3.48
92054	.192	.27	95647	3.67	5.77	98150	(a)	–	98555	2.72	–
92055	5.34	.26	95648	(a)	(a)	98151	(a)	–	98597	.61	–
92101	8.36	2.50	96053	2.79	3.72	98152	2.81	.32	98598	.209	–
92102	5.03	2.42	96317	1.27	–	98153	3.16	(a)	98601	6.98	(a)
92215	4.36	3.30	96408	4.16	14.30	98154	3.73	(a)	98622	(a)	–
92338	1.93	1.77	96409	3.85	10.20	98155	5.22	(a)	98623	(a)	–
92445	2.41	–	96410	3.38	8.14	98156	(a)	(a)	98624	1.10	–
92446	6.35	1.57	96611	1.52	1.47	98157	3.34	.40	98636	3.74	3.86
92447	5.55	1.57	96702	4.79	(a)	98158	(a)	(a)	98640	120.00	–
92451	3.04	2.02	96703	(a)	–	98159	2.24	(a)	98658	5.40	–
92453	3.52	–	96816	4.49	–	98160	4.74	(a)	98659	.97	.47
92478	1.74	1.87	96872	4.52	(a)	98161	5.31	(a)	98677	19.00	8.00
92593	40.00	–	96930	(a)	–	98162	(a)	(a)	98678	16.90	12.80
92663	.57	–	97002	(a)	(a)	98163	5.57	.27	98698	(a)	(a)
94007	11.90	4.41	97003	(a)	(a)	98164	2.57	.084	98699	5.48	(a)
94099	2.72	–	97047	4.61	–	98257	1.60	–	98705	7.64	–
94225	9.56	–	97050	3.58	–	98303	10.50	7.59	98710	3.81	–
94276	4.98	4.28	97111	5.75	–	98304	5.94	3.78	98751	4.08	–
94304	3.89	(a)	97220	.33	(a)	98305	3.70	1.52	98805	4.98	1.11
94381	7.29	12.20	97221	(a)	1.35	98306	9.52	.87	98806	3.48	2.99
94404	4.72	4.30	97222	2.02	2.59	98307	1.88	.47	98810	5.21	–
94444	(a)	(a)	97223	3.04	3.42	98308	1.24	.65	98813	5.03	2.03
94569	3.19	2.43	97308	.61	–	98309	5.27	2.52	98820	9.51	3.28
94590	13.70	–	97447	2.02	3.83	98344	1.03	.64	98871	(a)	(a)
94617	4.34	–	97501	(a)	–	98405	1.70	–	98884	2.47	1.16
94638	(a)	–	97502	(a)	–	98413	15.60	(a)	98914	.66	.72
95124	1.60	.65	97503	(a)	–	98414	14.30	(a)	98949	.92	.37
95233	3.43	–	97504	(a)	–	98415	1.88	(a)	98967	3.88	6.15
95305	3.73	–	97650	3.97	3.78	98423	4.47	(a)	98993	7.15	4.61
95306	4.83	–	97651	5.97	3.51	98424	7.59	(a)	99003	1.85	1.55
95310	8.90	1.56	97652	5.18	4.01	98425	3.12	(a)	99004	4.18	1.70

$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**
99080	1.31	7.02	**99826**	1.03	.48						
99081	(a)	–	**99827**	.47	.54						
99082	(a)	–	**99851**	1.92	–						
99083	(a)	–	**99917**	3.10	–						
99084	(a)	(a)	**99938**	3.48	–						
99085	(a)	(a)	**99943**	10.10	–						
99111	1.90	–	**99946**	7.52	2.70						
99160	(a)	–	**99948**	8.61	22.70						
99163	4.53	.54	**99952**	7.64	18.90						
99165	.99	(a)	**99953**	8.24	9.62						
99220	1.45	(a)	**99954**	6.00	11.40						
99221	(a)	(a)	**99955**	7.52	10.70						
99222	2.72	(a)	**99963**	.75	–						
99223	.28	(a)	**99969**	2.63	1.78						
99303	15.20	–	**99975**	6.67	–						
99310	3.80	(a)	**99986**	(a)	–						
99315	11.20	1.43	**99987**	(a)	–						
99321	10.80	2.33	**99988**	2.33	–						
99445	(a)	(a)									
99471	.66	–									
99505	6.05	–									
99506	7.44	–									
99507	6.49	–									
99570	3.48	(a)									
99571	.84	(a)									
99572	1.65	(a)									
99573	1.58	(a)									
99600	1.82	–									
99613	9.59	2.22									
99614	4.06	–									
99620	.52	–									
99650	1.65	.84									
99709	4.07	(a)									
99718	1.53	–									
99746	2.59	2.55									
99760	.30	–									
99777	9.03	–									
99793	3.29	–									
99798	(a)	(a)									
99803	(a)	6.91									